

The Chemical Society of Japan The 97th Annual Meeting

— Program for Presentations in English —



Date: March 16th, THU to March 19th, SUN, 2017

Venue: Hiyoshi Campus, Keio University, Yokohama, Japan

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Organized by: The Chemical Society of Japan

Co-organized by: Keio University

Faculty of Science and Technology

Welcome to the 97th CSJ Annual Meeting !

At this year's Annual Meeting, over 5,600 lectures and posters will be presented, and we expect more than 8,000 participants in the four days event. Since we are emphasizing the importance of globalization of CSJ and the annual meeting, we are encouraging participants to make their presentations in English. In the scientific program, ca. 1,000 lectures will be given in English, and a majority the roughly ca. 1000 posters will be prepared in English.

We hope you enjoy one of the largest chemistry events in which researchers and information come across dynamically, and our new direction, globalization of CSJ.

General Information

- ◆ **Transportation** [From *Shin-Yokohama, Yokohama, Tokyo, Haneda Airport*, etc.] p 2
Please see the next page [**Transportation**].

- ◆ **Location** [Campus map, Location Table] p 3
 - ◆ General Reception, *Raiosha*.
[Available time: **March 16th** [THU] 08:15 – 17:00, **March 17th** [FRI] – **19th** [SUN] 08:30 – 17:00]
If you have some trouble during the annual meeting, please visit *General Reception* or send E-mail to the meeting office [nenkai@chemistry.or.jp].

 - ◆ Cloakroom, *Raiosha*.

- ◆ **Internet Access**
Wireless internet access is available in *Fourth Building Independence Wing, [Dokuritsu-kan], D305*.

- ◆ **Lunch**
Cafeterias are available for participants in Campus. Available date / time are shown in p 3.

- ◆ **Resting**
6 rooms are available for resting.
 - *Fourth Building, [A], J417, J427, J447*
 - *Fourth Building Independence Wing, [Dokuritsu-kan], D206, D404*
 - *Sixth Building, 622B*

Social Program

○ **President Lecture and Award Ceremony**

March 17th [FRI] 15:30–, Room SA [Sixth Building, 613]



○ **CSJ 97th Annual Meeting Banquet**

March 17th [FRI] 18:00–20:00, *Kyosei-kan, Queen Alice*

○ **Chem-Station Evening Mixer**

March 17th [FRI] 17:30–19:30, *Cafeteria Building 1F*

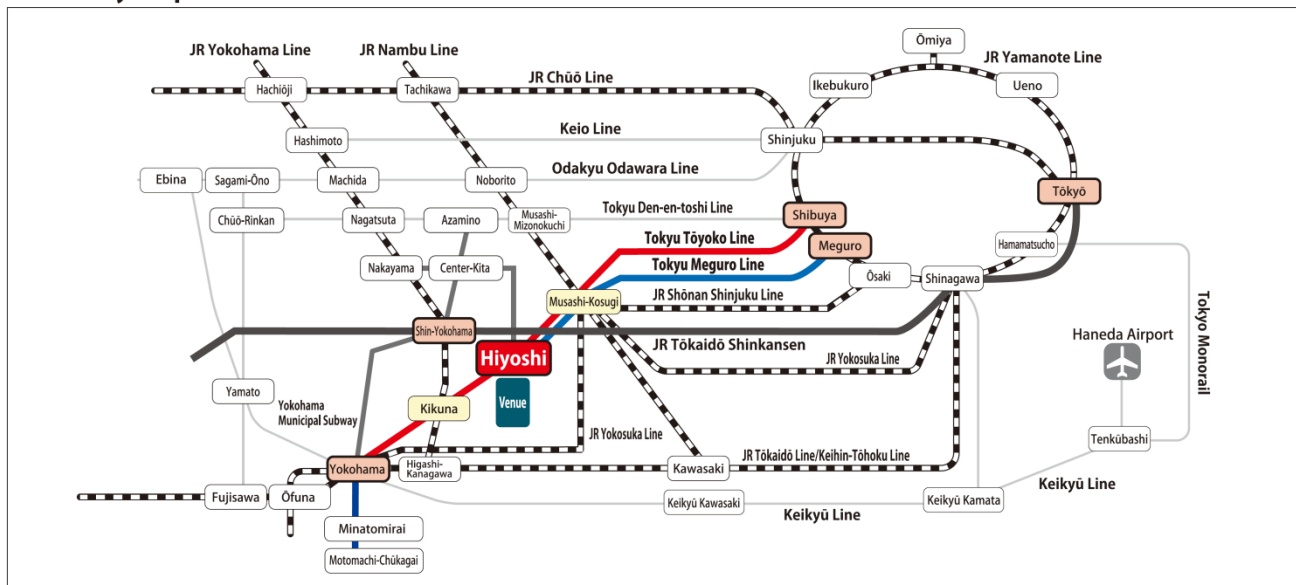
○ **International Chemists' Evening Reception** [including PCCP Prize Ceremony] *closed: invited only

March 18th [SAT] 18:00–20:00, *Raiosha, Faculty Lounge*

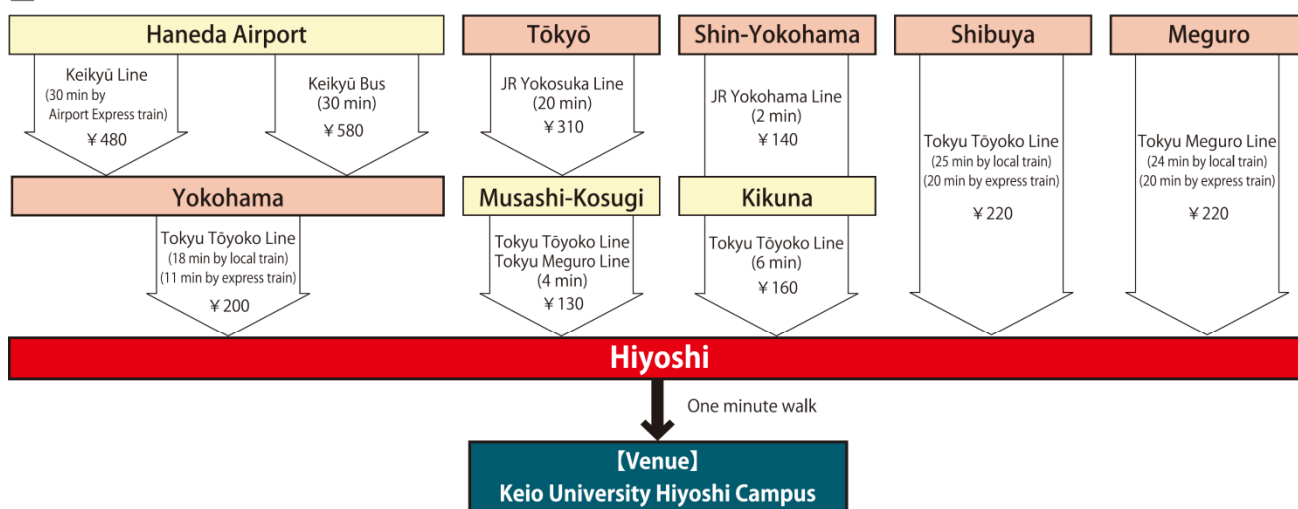
Transportation

The 97th Annual Meeting of The Chemical Society of Japan Directions to Keio University Hiyoshi Campus

Railway Map



Recommended Routes to the Venue



* 1-Minute walk from Hiyoshi Station (Tokyu Tōyoko Line, Meguro Line, or Yokohama Municipal Subway Green Line)

* Please note that limited express trains of the Tokyu Tōyoko Line do not stop at Hiyoshi Station.

* There is no parking lot available on campus for the attendees. Please use public transportation.

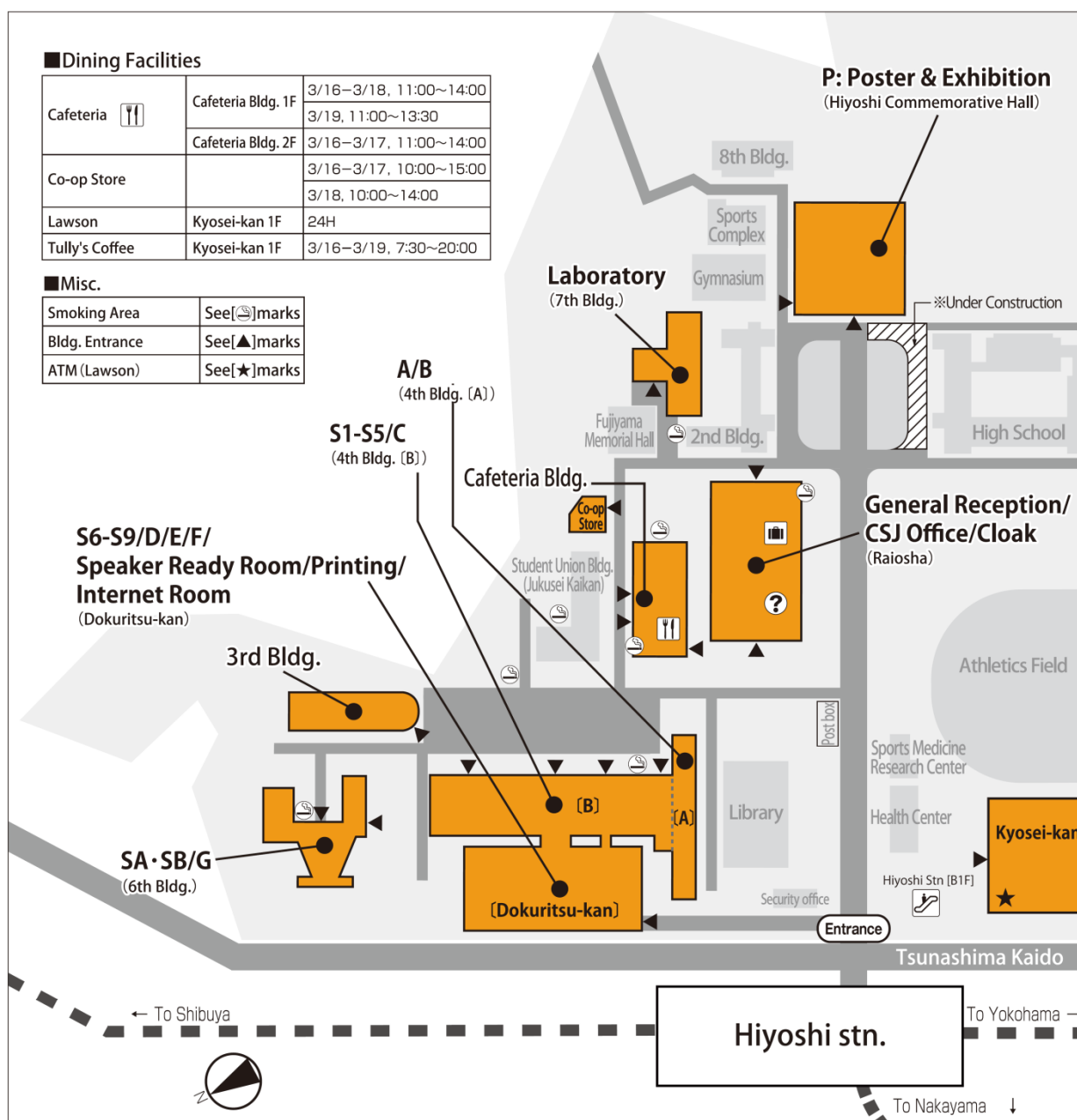
* The travel time may vary depending on the conditions. Please try to arrive at the venue well ahead of time.

* It may take some time to purchase a ticket at Hiyoshi Station at peak times.
It is recommended to purchase a return ticket in advance.

* The train fares indicated above are for regular tickets and are slightly higher than fares for prepaid IC cards.

Location

The 97th Annual Meeting of The Chemical Society of Japan Keio University Hiyoshi Campus Map



Guide to Buildings & Venues

	Building		Building	Date and time	Event	Venue
General Reception	Raiosha	A	4th Bldg. [A]	3/16 (Thu)	Gender Equality	Cafeteria Bldg.2F
Cloak	Raiosha	B	4th Bldg. [A]	17:30~19:00	Networking Dinner	SABOTEN(Express)
Speaker Ready Room	Dokuritsu-kan	C	4th Bldg. [B]	3/16 (Thu)	ATP Banquet	Cafeteria Bldg.2F
Printing/Internet Room	Dokuritsu-kan	D	Dokuritsu-kan	18:00~19:30		
CSJ Office	Raiosha	E	Dokuritsu-kan	3/17 (Fri)	Chem-Station	Cafeteria Bldg.1F
S1-S5	4th Bldg. [B]	F	Dokuritsu-kan	17:30~19:30	Evening Mixer	
S6-S9	Dokuritsu-kan	G	6th Bldg.	3/17 (Fri)	Banquet	Kyosei-kan 2F
SA-SB	6th Bldg.	P	Hiyoshi Commemorative Hall	18:00~20:00		QUEEN ALICE
Laboratory	7th Bldg.	Exhibition	Hiyoshi Commemorative Hall			

Program Overview

Schedule of The 97th Annual Meeting

Bldg. / Floor / Room	Room	3/16 AM	P	3/16 PM	3/17 AM	P	3/17 PM	
4th Building, Section A	1	J413 A1	11) Analytical Chemistry	PB	11) Analytical Chemistry			
		J414 A2	12) Polymer			PC	12) Polymer	
		J415 A3	12) Polymer			PC	12) Polymer	
		J416 A4	01) Education and History of Chemistry			PC	01) Education and History of Chemistry	
		J417 -	Resting Room					
	2	J421 A5		PA	20) Environmental and Green Chemistry			20) Environmental and Green Chemistry
		J422 A6		PA	19) Energy and Related Chemistry, Geo and Space Chemistry			
		J423 A7	21) Theoretical Chemistry, Cheminformatics, and Computational Chemistry			PA		21) Theoretical Chemistry, Cheminformatics, and Computational Chemistry
		J424 A8			13) Catalysts and Catalysis		PA	13) Catalysts and Catalysis
		J425 A9			13) Catalysts and Catalysis		PA	13) Catalysts and Catalysis
		J427 -	Resting Room					
	4	J441 B1		PA	02) Physical Chemistry -Structure-			
		J442 B2		PA	03) Physical Chemistry -Properties-			
		J443 B3		PA	04) Physical Chemistry -Chemical Kinetics and Dynamics-			
J444 B4			PA	14) Colloid and Interface Chemistry			Asian International Symposium -Colloid and Surface Chemistry-	
J445 B5			PA	14) Colloid and Interface Chemistry				
J446 B6			PA	14) Colloid and Interface Chemistry				
J447 -		Resting Room						
4th Building, Section B	1	J11 S1	S) Redox Chemistry		S) Artificial Photosynthesis			
		J12 C1	10) Biofunctional Chemistry ; Biotechnology			PB	10) Biofunctional Chemistry ; Biotechnology	
		J13 C2			10) Biofunctional Chemistry ; Biotechnology		PB	
		J14 C3	10) Biofunctional Chemistry ; Biotechnology			PB	10) Biofunctional Chemistry ; Biotechnology	
		J19 C4	10) Biofunctional Chemistry ; Biotechnology			PB	10) Biofunctional Chemistry ; Biotechnology	
	2	J21 C5			22) Organic Crystals			Asian International Symposium -Organic Crystals-
		J22 C6	09) Natural Products Chemistry			PB	09) Natural Products Chemistry	
		J23 C7	09) Natural Products Chemistry			PB	09) Natural Products Chemistry	
		J24 S2	S) Innovative Analysis of Cell Systems		S) Novel Functions by Soft Molecules			S) Breakaway from Japanese English
		J29 S3	S) Chemistry for Miscellaneous Systems		S) Molecular Technology			S) Dynamics on Surface and Interface Coordination Chemistry
		J32 S4	S) Science of Two-dimensional Materials		S) Functions beyond Biological Molecular Systems			
	3	J33 C8	99) Chemical Biology				PB	99) Chemical Biology
		J39 S5			S) New Chemical Biology			
		J47 -	Resting Room					
4th Building Independence Wing [Dokuritsusukan]	B2F	DB201 D1	T2B) Cellulose Nanofiber 2017				T1A) Advanced Technologies of Solar Energy Conversion for Practical Applications	
		DB202 D2	T3A) Biomaterials Bringing about Medical Innovation				T2A) Toward the Realization of Material Systems Contributing to IoT and AI-supported Society	
		DB203 S6	S) Molecular Space		S) Luminescence Chemistry		S) CSJ Commentary Forum	S) AMED-HFSP Symposium
	1	D101 S7	S) A New Paradigm for "MONODZUKURI"		S) Hybrid Self-Assembly			S) Reaxys Prize Club Symposium Japan
		D201 D3	08E) Organic Chemistry -Reaction and Synthesis- Organometallic Compounds	PB	08E) Organic Chemistry -Reaction and Synthesis- Organometallic Compounds			
		D202 D4	08E) Organic Chemistry - Organometallic Compounds	PB	08E) Organic Chemistry -Reaction and Synthesis- Organometallic Compounds			
		D205 D5/S8	T2D) Research Frontiers in Innovative Membrane Engineering					T2C) Biomimetics towards Innovative Manufacturing
		D206 -	Resting Room					
	3	D301 E1	15) Materials Chemistry	PB	15) Materials Chemistry			
		D302 -	Preview Room					
		D303 E2	08E) Organic Chemistry - Organometallic Compounds	PB	08E) Organic Chemistry -Reaction and Synthesis- Organometallic Compounds			
		D304 E3				PB		08A) Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds
		D305 -	Print Corner, Internet Room					
		D306 E4						17) Applications of Materials
		D307 E5	08A) Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds				PB	08A) Aliphatic and Alicyclic Compounds
		D308 E6	08A) Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds				PB	08A) Aliphatic and Alicyclic Compounds
		D309 E7	16) Functions of Materials					
		D310 E8	08D) Organic Chemistry -Reaction and Synthesis- Heteroatom Compounds				PB	08D) Heteroatom Compounds
		D311 E9	T1C) Latest Trend of Next Generation Rechargeable Battery					T1B) New Energy Society Created by Hydrogen Technology
	4	D312 S9	S) Pursuing Bioanalytical Methods		S) Activities of Women and Men for a Society of Great Diversity			S) Luncheon Career Consultation
		D403 F1	08B) Organic Chemistry - Aromatic Compounds	PB	08B) Organic Chemistry -Reaction and Synthesis- Aromatic Compounds			
		D404 -	Resting Room					
		D406 F2	08C) Organic Chemistry -Reaction and Synthesis- Heterocyclic Compounds					
		D407 F3				PA		08F) Organic Chemistry -Reaction and Synthesis- Organic Photochemistry
D408 F4							08H) Organic Chemistry -Reaction and Synthesis- High-Throughput Synthesis	
D409 F5		07B) Physical Organic Chemistry -Reaction Mechanism-	PB	07B) Physical Organic Chemistry -Reaction Mechanism-			08G) Organic Chemistry -Reaction and Synthesis- Organic Electron Transfer Chemistry	
D410 F6				07A) Physical Organic Chemistry -Structures and Properties-		PC	07A)	
D411 F7				07A) Physical Organic Chemistry -Structures and Properties-		PC	07A)	
D412 F8				07A) Physical Organic Chemistry -Structures and Properties-		PC	07A)	
D413 F9			07A) Physical Organic Chemistry -Structures and Properties-		PC	07A)		
Raiosha	1	Event Terrace	-	General Reception				
	Gallery	-	Cloakroom					
	Symposium Space	-	CSJ Office					
6th Building	1	J612 G1	05) Inorganic Chemistry	PB	05) Inorganic Chemistry			
		613 SA	CSJ Award Presentation				President Lecture / Ceremony	
		614 G2	06) Coordination Chemistry, Organometallic Chemistry			PA		Asian International Symposium -Coordination Chemistry and Organometallic Chemistry-
	2	622B -	Resting Room					
		623 SB			CSJ Award Presentation			S) Special Lecture
		J631 G3	06) Coordination Chemistry, Organometallic Chemistry			PA		06)
3	J632 G4	06) Coordination Chemistry, Organometallic Chemistry			PA		06)	
	J634 G5	06) Coordination Chemistry, Organometallic Chemistry			PA		06)	
7th Building	3	734 -						
Hiyoshi Com-memorative Hall	1	Hall	P	Poster Session & Exhibition				

- 011-221, 99): Academic Program, T1)-T3): Advanced Technology Program, S): Special Program, Symposium
 - Poster session schedule, PA : 10:00-11:30, PB : 12:30-14:00, PC : 15:00-16:30

3/18 AM	P	3/18 PM	3/19 AM	3/19 PM	Room	Room
11) Analytical Chemistry					J413	A1
12) Polymer		Asian International Symposium –Polymer–	12) Polymer		J414	A2
12) Polymer			12) Polymer		J415	A3
01) Education and History of Chemistry					J416	A4
Resting Room					J417	–
	PA	18) Resources Utilization Chemistry			J421	A5
19) Energy and Related Chemistry, Geo and Space Chemistry					J422	A6
					J423	A7
13) Catalysts and Catalysis					J424	A8
13) Catalysts and Catalysis					J425	A9
Resting Room					J427	–
International Symposium on Molecular Science – Physical Chemistry/ Theoretical Chemistry, Chemoinformatics, Computational Chemistry – Cosponsored by Japan Society for Molecular Science			02) Physical Chemistry –Structure–		J441	B1
03) Physical Chemistry –Properties–					J442	B2
04) Physical Chemistry –Chemical Kinetics and Dynamics–					J443	B3
14) Colloid and Interface Chemistry					J444	B4
14) Colloid and Interface Chemistry					J445	B5
14) Colloid and Interface Chemistry					J446	B6
Resting Room					J447	–
S) CSJ Journal Forum		S) Chemical Heritage Public Lecture	S) Chemistry at Multiple Extremes	S) Single Molecular Chemistry	J11	S1
10) Biofunctional Chemistry ; Biotechnology					12	C1
10) Biofunctional Chemistry ; Biotechnology					13	C2
10) Biofunctional Chemistry ; Biotechnology					J14	C3
10) Biofunctional Chemistry ; Biotechnology		Asian International Symposium –Natural Products Chemistry, Chemical Biology/ Biofunctional Chemistry and Biotechnology–	10) Biofunctional Chemistry ; Biotechnology		J19	C4
	PA	22) Organic Crystals			J21	C5
09) Natural Products Chemistry					22	C6
09) Natural Products Chemistry					23	C7
S) CCS-CSJ Joint Forum			S) Various Battery Technologies		J24	S2
S) RSC/Japan Symposium			S) Synchrotron SAXS	S) Coordination Asymmetry	J29	S3
		S) Ex vivo Biodevices	S) Photofunctional Soft Crystals	S) Recent Technologies in Luminescence Measurements	32	S4
99) Chemical Biology					33	C8
					39	S5
T1A) Advanced Technologies of Solar Energy Conversion for Practical Applications					DB201	D1
T1D) Innovative Chemical Process and Technology Toward the Energy-saving Society					DB202	D2
		CSJ Public Lecture	Special Lecture	S) Advanced Measurement and Analysis	DB203	S6
S) Hyper-nano-space Technology			S) Chemistry of Mixed-Anion Compounds	S) Synergy in Supramolecular Chemistry	D101	S7
08E) Organic Chemistry –Reaction and Synthesis– Organometallic Compounds		Asian International Symposium –Organic and Green Chemistry–	08E) Organic Chemistry –Reaction and Synthesis– Organometallic Compounds		D201	D3
08E) Organic Chemistry –Reaction and Synthesis– Organometallic Compounds					D202	D4
		T3B) Innovating Sensing Technology for the Future of Healthcare	S) Development of Extremely Difficult Transformations		D205	D5/S8
Resting Room					D206	–
15) Materials Chemistry					D301	E1
Preview Room					D302	–
08E) Organic Chemistry –Reaction and Synthesis– Organometallic Compounds					D303	E2
					D304	E3
Print Corner, Internet Room					D305	–
17) Applications of Materials	PA	17) Applications of Materials			D306	E4
08A) Organic Chemistry –Reaction and Synthesis– Aliphatic and Alicyclic Compounds					D307	E5
08A) Organic Chemistry –Reaction and Synthesis– Aliphatic and Alicyclic Compounds					D308	E6
16) Functions of Materials	PA	Asian International Symposium –Photochemistry–	16) Functions of Materials		D309	E7
08D) Organic Chemistry –Reaction and Synthesis– Heteroatom Compounds					D310	E8
		T3C) Japan-origin Bio-ventures: Paving the Way for the Future of Healthcare			D311	E9
S) TCR Lecture 2017		S) Symposium on Environment and Safety	S) High-energy Chemistry in Liquid		D312	S9
08B) Aromatic Compounds					D403	F1
Resting Room					D404	–
08C) Heterocyclic Compounds	PB	08C) Organic Chemistry – Heterocyclic Compounds			D406	F2
08F) Organic Photochemistry					D407	F3
08H) High-Throughput Synthesis	PB	08H) Organic Chemistry – High-Throughput Synthesis			D408	F4
08G) Organic Electron Transfer Chemistry	PB				D409	F5
07A) Physical Organic Chemistry –Structures and Properties–					D410	F6
07A) Physical Organic Chemistry –Structures and Properties–					D411	F7
07A) Physical Organic Chemistry –Structures and Properties–					D412	F8
07A) Physical Organic Chemistry –Structures and Properties–					D413	F9
General Reception					Event Terrace	–
Cloakroom					Gallery	–
CSJ Office					Symposium Space	–
05) Inorganic Chemistry		Asian International Symposium –Inorganic Chemistry and Radiochemistry–			J612	G1
CSJ Award Presentation		S) 24th Chemical Education Forum			613	SA
06) Coordination Chemistry, Organometallic Chemistry					614	G2
Resting Room					622B	–
		Spring Concert			623	SB
06) Coordination Chemistry, Organometallic Chemistry					631	G3
06) Coordination Chemistry, Organometallic Chemistry					632	G4
06) Coordination Chemistry, Organometallic Chemistry					634	G5
Science Laboratory for Kids					734	–
Poster Session & Exhibition					Hall	P
3/18 AM	P	3/18 PM	3/19 AM	3/19 PM	Room	Room

Academic Program (AP) (oral and poster)

31 Categories, ca. 3878 Oral Presentations, ca. 1129 Poster Presentations

The oral presentations are scheduled for 10 min. (Oral A Presentation) or 20 min. (Oral B Presentation). The percentages of the presentations in English are ca. 10% (Oral A Presentation) and ca. 71% (Oral B Presentation). About 70% of the posters are shown in English.

Categories of Academic Program (AP)

01. Education and History of Chemistry
02. Physical Chemistry -Structure-
03. Physical Chemistry -Properties-
04. Physical Chemistry -Chemical Kinetics and Dynamics-
05. Inorganic Chemistry
06. Coordination Chemistry, Organometallic Chemistry
- 07A. Physical Organic Chemistry -Structures and Properties-
- 07B. Physical Organic Chemistry -Reaction Mechanism-
- 08A. Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds
- 08B. Organic Chemistry -Reaction and Synthesis- Aromatic Compounds
- 08C. Organic Chemistry -Reaction and Synthesis- Heterocyclic Compounds
- 08D. Organic Chemistry -Reaction and Synthesis- Heteroatom Compounds
- 08E. Organic Chemistry -Reaction and Synthesis- Organometallic Compounds
- 08F. Organic Chemistry -Reaction and Synthesis- Organic Photochemistry
- 08G. Organic Chemistry -Reaction and Synthesis- Organic Electron Transfer Chemistry
- 08H. Organic Chemistry -Reaction and Synthesis- High-Throughput Synthesis
09. Natural Products Chemistry
99. Chemical Biology
10. Biofunctional Chemistry ; Biotechnology
11. Analytical Chemistry
12. Polymer
13. Catalysts and Catalysis
14. Colloid and Interface Chemistry
15. Materials Chemistry
16. Functions of Materials
17. Applications of Materials
18. Resources Utilization Chemistry
19. Energy and Related Chemistry, Geo and Space Chemistry
20. Environmental and Green Chemistry
21. Theoretical Chemistry, Cheminformatics, and Computational Chemistry
22. Organic Crystals

[01. Education and History of Chemistry]

Room A4 (Fourth Building, [A], J416)

March 16th (Thu)

10:20–10:30 **1A4-09** Development of Electronic Lab Book for College Chemistry-experiment - S_N1 and S_N2 - (Fac. of Edu., Tokyo Gakugei Univ.) ○IKUO, Akira; TOYAMA, Yuki; YOSHINAGA, Yusuke; OGAWA, Haruo

March 17th (Fri)

13:50–14:10 **2A4-30*** Chemistry Experiment Using Suzuki-Miyaura Cross-Coupling Reaction as Fascinating Liberal Arts Education in University (Inst. Libe. Arts Sci., Nagoya Univ.) ○ITO, Hideto

March 18th (Sat)

10:50–11:00 **3A4-12** Observation of Air in Leaves through Stomata (Grad. Sch. Edu., Okayama Univ.) ○CRISOLOGO, Dawn; KITA, Masakazu

[02. Physical Chemistry -Structure-]

Room B1 (Fourth Building, [A], J441)

March 16th (Thu)

- 13:20–13:40 **1B1-27*** Vibronic interactions in the nitrate free radical NO₃ (SOKENDAI) ○HIROTA, Eizi
13:40–14:00 **1B1-29*** Decay dynamics from highly excited vibrational levels of the E 0_g⁺ (³P₂) ion-pair state of I₂ (Sch. Sci., Tokyo Tech.; Res. Inst. Sci. Technol., TUS; Grad. Sch. Chem. Sci. Technol., TUS) ○HOSHINO, Shoma; ARAKI, Mitsunori; TSUKIYAMA, Koichi
14:10–14:30 **1B1-32*** Real-Time Observation of Dynamic Screening and Large Polaron Formation in Lead Halide Perovskites (Department of Chemistry, Columbia University) ○MIYATA, Kiyoshi; TRINH, Tuan M; JOSHI, Prakriti P; ZHU, Xiaoyang

March 17th (Fri)

- 10:40–11:00 **2B1-11*** Near-infrared resonance Raman spectroscopy of electronic excited triphenylene (Coll. Sci. Eng., Aoyama Gakuin Univ.) ○OKAJIMA, Hajime; TAKATORI, Mika; SAKAMOTO, Akira
11:20–11:30 **2B1-15** Spectral features of heme with higher symmetry in myoglobin (Sch. Sci., Osaka Univ.) ○KAWARABATA, Momoko; MIZUNO, Misao; MIZUTANI, Yasuhisa
11:40–11:50 **2B1-17** Optofluidic time-stretch quantitative phase microscopy of *Euglena gracilis* (Grad. Sch. Sci., The Univ. of Tokyo) ○GUO, Baoshan; LEI, Cheng; ITO, Takuro; YAXIAER, Yalikun; KOBAYASHI, Hirofumi; JIANG, Yiyue; TANAKA, Yo; OZEKI, Yasuyuki; GODA, Keisuke
13:40–14:00 **2B1-29*** Assignment of Raman Optical Activity Spectra of Photoactive Yellow Protein by Isotopic Labeling (Grad. Sch. Sci. Eng., Saga Univ.) ○HARAGUCHI, Shojiro; SHINGAE, Takahito; KASAI, Noritaka; KUMAUCHI, Masato; FUJISAWA, Tomotsumi; HANAMOTO, Takeshi; HOFF, Wouter D.; UNNO, Masashi
14:10–14:30 **2B1-32*** Time-domain study on the structure and dynamics of the nitrogen dimer using a newly developed imaging technique (Sch. Sci., Tokyo Tech.) ○MIZUSE, Kenta; SATO, Hikaru; ISHIKAWA, Haruki; OHSHIMA, Yasuhiro
15:30–15:50 **2B1-40*** Vibrational relaxation dynamics of free OH at the air/water interface revealed by time-resolved heterodyne-detected vibrational sum frequency generation spectroscopy (Molecular Spectroscopy Lab., RIKEN) ○INOUE, Ken-ichi; NIHONYANAGI, Satoshi; TAHARA, Tahei
15:50–16:00 **2B1-42** IV-SFG studies on the effect of zwitterion additive on the anodic-stability of Lithium-ion battery (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○QI, Chengzi; MIWA, Yujiro; IWAHASHI, Takashi; YAMAGUCHI, Seitaro; FUJITA, Masahiro; OUCHI, Yukio
16:00–16:20 **2B1-43*** Visualization of Energetically Isolated Water at Hydrophobic/Water Interface Revealed by 2D HD-VSFG Spectroscopy (Molecular Spectroscopy Lab., RIKEN) ○MOHAMMED, Ahmed; INOUE, Ken-ichi; NIHONYANAGI, Satoshi; TAHARA, Tahei
16:40–17:00 **2B1-47*** Structure of the topmost water at charged silica/aqueous interfaces studied by heterodyne-detected vibrational sum frequency generation spectroscopy (Molecular Spectroscopy Lab., RIKEN) ○URASHIMA, Shu-hei; NIHONYANAGI, Satoshi; TAHARA, Tahei

March 19th (Sun)

- 09:00–09:10 **4B1-01** Observation of surface enhanced Raman signals from adsorbates on gold nanoparticle aggregates in solution by impulsive stimulated Raman spectroscopy (Molecular Spectroscopy Lab., RIKEN) ○KUMAR, Pardeep; HASEGAWA, Kazuto; KURAMOCHI, Hikaru; TAKEUCHI, Satoshi; TAHARA, Tahei
09:40–09:50 **4B1-05** Structural effect of Au nanoparticles toward the optimization of Shell-isolated nanoparticle enhanced Raman spectroscopy (Lab. Chem. Life Sci., Tokyo Tech.) ○TANG, Yuansen; KUZUME, Akiyoshi; YAMAMOTO, Kimihisa
09:50–10:10 **4B1-06*** Effect of electrochemical doping on Raman spectra of graphene prepared on various substrates (Fac. Sci., Hokkaido Univ.) ○ZHOU, Ruifeng; MINAMIMOTO, Hiro; YASUDA, Satoshi; MURAKOSHI, Kei

[03. Physical Chemistry -Properties-]

Room B2 (Fourth Building, [A], J442)

March 16th (Thu)

- 17:30–17:50 **1B2-52*** Modification of semiempirical molecular orbital theory for computing diradical species (Grad. Sch. Info. Sci., Hiroshima City Univ.) ○SAITO, Toru; TAKANO, Yu

March 17th (Fri)

- 10:20–10:40 **2B2-09*** Control in Ferroelectricity and Optical Properties of Supramolecular Structures of Alkylamide-substituted Pyrene Derivatives (Grad. Sch. Eng., Tohoku Univ.) ○ANETAI, Hayato; TAKEDA, Takashi; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki
11:40–12:00 **2B2-17*** Theoretical Study on Singlet Fission in Pancake-Bonded Phenalenyl Radical Aggregates (Grad. Sch. Eng. Sci., Osaka Univ.) ○ITO, Soichi; NAGAMI, Takanori; KUBO, Takashi; NAKANO, Masayoshi
16:00–16:20 **2B2-43*** Direct evidence of the molecular interaction propagation in the phase transition of liquid crystals (Fac. Sci. Eng., Chuo Univ.) ○KATAYAMA, Kenji; SATO, Takahiro; SOHN, Woon Yong

- 16:30–16:40 **2B2-46** Hydrogen-Bonding Molecular Assemblies of Alkylamide-Substituted Amphiphilic Isophthalic Acid Derivative (IMRAM, Tohoku Univ.) ○LU, Chao; TAKEDA, Takashi; HOSHINO, Norihisa; AKUTAGAWA, Tomoyuki
- 16:50–17:10 **2B2-48*** Freezing process of a water droplet evaporatively cooled in a vacuum (Grad. Sch. Sci., Kyushu Univ.) ○ANDO, Kota; ARAKAWA, Masashi; TERASAKI, Akira
- 17:10–17:30 **2B2-50*** Melting entropy under constant volume on argon by molecular dynamics (Fac. Bio., Hosei Univ.) ○KATAOKA, Yosuke

March 18th (Sat)

- 13:30–14:30 **3B2-28 CSJ Award for Creative Works** Development of Single-Molecule Analysis Methods Using Nanogap Electrodes and Their Application to DNA Sequencing Technology (ISIR, Osaka Univ.) ○TANIGUCHI, Masateru
- 16:00–16:20 **3B2-43*** Dynamics of Electronically-Excited States on Alkanethiolate Self-Assembled Monolayer Functionalized with an Aromatic Molecular Moiety (Grad. Sch. Sci. Tech., Keio Univ.; Fac. Sci. Tech., Keio Univ.; ERATO, JST) ○SHIBUTA, Masahiro; HIRATA, Naoyuki; EGUCHI, Toyoaki; NAKAJIMA, Atsushi
- 17:00–17:10 **3B2-49** Fabrication and evaluation of floating-gate memory composed of thiolate-protected gold nanoclusters (Fac. Sci. Tech., Keio Univ.) ○YOKOYAMA, Takaho; HIRATA, Naoyuki; TSUNOYAMA, Hironori; NEGISHI, Yuichi; NAKAJIMA, Atsushi
- 17:10–17:20 **3B2-50** A pulsed, huge helium droplet beam for the study of low temperature molecular dynamics (RIKEN) ○KUMA, Susumu; AZUMA, Toshiyuki

[04. Physical Chemistry -Chemical Kinetics and Dynamics-]

Room B3 (Fourth Building, [A], J443)

March 16th (Thu)

- 13:00–13:10 **1B3-25** A fluorescence sensor for real-time monitoring of singlet oxygen. (Fac. Env. Earth Sci., Hokkaido Univ.) ○KOHARA, Reiko; BIJU, Vasudevanpillai
- 13:40–14:00 **1B3-29*** Spectral properties and ultrafast dynamics of localized surface plasmon resonances in metal/insulator/metal nanostructures from the near field (RIES, Hokkaido Univ.) ○UENO, Kosei; YANG, Jinghuan; YU, Han; SUN, Quan; SHI, Xu; OSHIKIRI, Tomoya; KUBO, Atsushi; MATSUO, Yasutaka; GONG, Qi-huang; MISAWA, Hiroaki
- 14:10–14:30 **1B3-32*** Nanoparticle assembling by laser trapping at solution surface layer, giving structural color (NCTU) ○WANG, Shun-fa; YUYAMA, Ken-ichi; SUGIYAMA, Teruki; MASUHARA, Hiroshi
- 15:40–16:00 **1B3-41*** Time-resolved FTIR study of the photoreaction of bacteriorhodopsin under high pressure (LCCMS, IMS; EDC, IMS) ○KUROKI, Kunisato; KIMURA, Sachiyo; AOYAMA, Masaki; FURUTANI, Yuji
- 16:00–16:20 **1B3-43*** Study on the ion-transport mechanism of light-driven inward proton pump rhodopsin (Grad Sch. Eng., Nagoya Inst. of Tech.) ○INOUE, Keiichi; ITO, Shota; KATO, Yoshitaka; NOMURA, Yurika; SHIBATA, Mikihiko; UCHIHASHI, Takayuki; TSUNODA, Satoshi; KANDORI, Hideki
- 17:40–17:50 **1B3-53** Direct observation of the tight Au-Au bond formation in $[\text{Au}(\text{CN})_2]^-$ oligomers by ultrafast time-domain Raman spectroscopy (Molecular Spectroscopy Lab., RIKEN; Grad. Sch. Sci. Eng., Univ. of Toyama) ○KURAMOCHI, Hikaru; TAKEUCHI, Satoshi; IWAMURA, Munetaka; NOZAKI, Koichi; TAHARA, Tahei

March 17th (Fri)

- 09:20–09:30 **2B3-03** Atomically-Precise Synthesis of Pt_n ($n = 5-12$) Clusters by Reductive Calcination of Cyclic Multinuclear Platinum Complexes (Lab. Chem. Life Sci., Tokyo Tech.) ○AKANUMA, Yuki; IMAOKA, Takane; YAMAMOTO, Kimihisa
- 09:30–09:50 **2B3-04*** Water-soluble *N*-heterocyclic carbene protected gold nanoparticles for biological applications (WPI-ITbM, Nagoya Univ.) ○SALORINNE, Kirsi; MAN, Renee; LI, Henry; TAKI, Masayasu; NAMBO, Masakazu; CRUDDEN, Cathleen
- 10:00–10:20 **2B3-07*** Enhanced stability: Synthesis and characterizations of *N*-heterocyclic carbene-stabilized gold nanoparticles (WPI-ITbM, Nagoya Univ.) ○MAN, Renee; LI, Henry; NAMBO, Masakazu; CRUDDEN, Cathleen
- 10:20–10:40 **2B3-09*** Detection and characterization of surface oxidized cobalt clusters (Grad. Sch. Sci., The Univ. of Tokyo; ESICB, Kyoto Univ.) ○TOMIHARA, Ryohei; KOYASU, Kiichirou; TSUKUDA, Tatsuya
- 10:40–11:00 **2B3-11*** Atomically Precise Metallic Nano Cluster: Geometrical Structure and Electronic Property (Fac. Sci., TUS) ○NAIR, Lakshmi Vijayan; WAKAYAMA, Shota; TAKAGI, Shunjiro; KURASHIGE, Wataru; NEGISHI, Yuichi
- 11:10–11:30 **2B3-14*** Oxidative addition of haloalkanes to coinage metal anions M^- ($\text{M} = \text{Cu}, \text{Ag}, \text{Au}$) in the gas phase (Grad. Sch. Sci., The Univ. of Tokyo; ESICB, Kyoto Univ.) ○MURAMATSU, Satoru; KOYASU, Kiichirou; TSUKUDA, Tatsuya
- 11:30–11:50 **2B3-16*** Methane Oxidation Properties of Tantalum Cationic Clusters Under Multi-Collision Conditions (Dept. of Chemistry, TUM) ○MASUBUCHI, Tsugunosuke; ECKHARD, Jan F.; TSCHURL, Martin; HEIZ, Ueli
- 15:20–15:40 **2B3-39*** Generation and Reaction of Mineral Clusters Related to Chemistry in the Interstellar Environment (Fac. Sci., Kyushu Univ.) ○ARAKAWA, Masashi; TERASAKI, Akira

16:40–16:50 **2B3-47** Anion Photoelectron Spectroscopy of Thiolate-Protected Au₂₅ Clusters in Gas Phase (Grad. Sch. Sci., The Univ. of Tokyo; Fac. Sci., The Univ. of Tokyo; ESICB, Kyoto Univ.) ○HIRATA, Keisuke; MURAMATSU, Satoru; YAMASHITA, Keishiro; TAKANO, Shinjiro; YAMAZOE, Seiji; KOYASU, Kiichirou; TSUKUDA, Tatsuya

March 18th (Sat)

13:30–13:50 **3B3-28*** Ultrafast excitation energy transfer of hybrid light-harvesting antenna complex system (Sch. Eng. Sci., Osaka Univ.) ○YONEDA, Yusuke; MIZUTANI, Naoto; MORI, Daiki; NOJI, Tomoyasu; KONDO, Masaharu; MIYASAKA, Hiroshi; ITOH, Shigeru; NAGASAWA, Yutaka; DEWA, Takehisa
14:00–14:20 **3B3-31*** Structural relaxation dynamics of poly(p-phenylenevinylene) derivative in solution: Direct observation by ultrafast near-IR spectroscopy (Fac. Sci., Gakushuin Univ.) ○TAKAYA, Tomohisa; SHINOHARA, Masanori; IWATA, Koichi
15:10–15:20 **3B3-38** Study on colligative behaviors of redox couples in room-temperature ionic liquids (Dept. of Material & Life Chem., Kanagawa Univ.) ○MATSUBARA, Yasuo; ABE, Kaito; IJIMA, Tetsuya; SAITO, Kazuki; KOIDE, Yoshihiro

[05. Inorganic Chemistry]

Room G1 (Sixth Building, J612)

March 16th (Thu)

09:20–09:40 **1G1-03*** Unprecedented reversible reactivity of Zn^{II}-Oxyl enforced by MFI with O₂ at RT (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) ○ODA, Akira; OHKUBO, Takahiro; KURODA, Yasushige
09:40–10:00 **1G1-05*** Multinary nanoparticle crystals prepared through site-selective deposition of gold nanoparticles and control of their crystal structure (Sch. Advanced Sci. Eng., Waseda Univ.; Kagami Memorial Research Inst. Materials Sci. Tech., Waseda Univ.; WIAS) ○YAMAMOTO, Eisuke; MORI, Seiya; KURODA, Yoshiyuki; SHIMOJIMA, Atsushi; WADA, Hiroaki; KURODA, Kazuyuki
10:10–10:20 **1G1-08** Preparation of Hydrogen-Bonded Molecular Crystals of Double Three-Ring Siloxanes via Modification with Silanol Groups (Sch. Advanced Sci. Eng., Waseda Univ.) ○TOCHIGI, Kazuma; SATO, Naoto; KURODA, Yoshiyuki; SHIMOJIMA, Atsushi; WADA, Hiroaki; KURODA, Kazuyuki
10:30–10:50 **1G1-10*** Synthesis of hollow spherical titania-silica composite nanoparticle assemblies with controllable composition and their surface modification (Grad Sch. Eng., KUT) ○NGUYEN, Hien Thi Thu; HABU, Teppei; UMEMOTO, Yuna; MASAOKA, Yukino; OHTANI, Masataka; KOBIRO, Kazuya
14:50–15:10 **1G1-36*** Construction of Charge-separated-type Ionic Solids Containing Oxoanions (Grad. Sch. Sci., Osaka Univ.) ○KOJIMA, Tatsuhiro; KUWAMURA, Naoto; KONNO, Takumi
15:40–16:00 **1G1-41*** Sequential Synthesis of Heterometallic Nonanuclear Clusters by Utilizing Lacunary Polyoxometalates (Grad. Sch. Eng., The Univ. of Tokyo) ○MINATO, Takuo; OHATA, Yusuke; SATO, Rinta; SUZUKI, Kosuke; YAMAGUCHI, Kazuya; MIZUNO, Noritaka
16:20–16:40 **1G1-45*** Substituent effect of organic moiety on clathrate structure in the organic-inorganic hybrid polyoxometalate (Grad. Sch. Sci. Tech., Yamaguchi Univ.) ○FUJIBAYASHI, Masaru; TSUNASHIMA, Ryo
16:50–17:00 **1G1-48** Phosphovanadomolybdic Acid Catalyzed Trifluoromethylation of Arenes (Grad. Sch. Eng., The Univ. of Tokyo) ○LI, Chifeng; SUZUKI, Kosuke; YAMAGUCHI, Kazuya; MIZUNO, Noritaka
17:30–17:50 **1G1-52*** Synthesis and Catalysis of a Titanium-Containing Polyoxovanadate (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) ○KIKUKAWA, Yuji; FUJITA, Keisuke; HAYASHI, Yoshihito

March 17th (Fri)

09:10–09:30 **2G1-02*** Synthesis and Dimensionality Control of HfMnSb₂ with Metal Ordered NiAs Structure (Grad. Sch. Eng., Kyoto Univ.) ○MURAKAMI, Taito; YAMAMOTO, Takafumi; TAKATSU, Hiroshi; KAGEYAMA, Hiroshi
11:00–12:00 **2G1-13 CSJ Award for Creative Works** Development of Functional Oxides and Mixed-Anion Compounds (Grad. Sch. Eng., Kyoto Univ.) ○KAGEYAMA, Hiroshi
13:10–13:20 **2G1-26** Anisotropic ion conductivity of layered double hydroxide nanosheets (MANA, NIMS) ○MA, Renzhi; SUN, Pengzhan; ZHU, Hongwei; SASAKI, Takayoshi
13:40–14:00 **2G1-29*** characterization of hybridized oxide nanosheets (Grad. Sch. Sci. & Tech., Kumamoto Univ.) ○OHMAGARI, Hitomi; SHUDO, Yuta; WAKATA, Kosuke; IDA, Shintaro; OHTANI, Ryo; HAYAMI, Shinya
16:00–16:20 **2G1-43*** Calcium intercalation into graphite-like layered material composed of boron and carbon (Osaka Electro-Communication Univ.) ○KAWAGUCHI, Masayuki; HIGUCHI, Haruki; ISHIKAWA, Hiromichi
16:50–17:10 **2G1-48*** Rapid synthesis of Mo(S,Se)₂/graphene composite catalyst by solvothermal reduction (IMRAM, Tohoku Univ.) ○NAKAYASU, Yuta; YASUI, Yoji; TANIKI, Ryosuke; TOMAI, Takaaki; HONMA, Itaru

March 18th (Sat)

11:00–11:20 **3G1-13*** Size Dependence of the State of Hydrogen Absorbed Inside Palladium (Dep. Chem., Sch. Sci., Kyoto Univ.; PRESTO, JST; NIMS) ○DEKURA, Shun; KOBAYASHI, Hirokazu; IKEDA, Ryuichi; MAESATO, Mitsuhiro; KUMARA, L. S. Rosantha; SAKATA, Osami; KITAGAWA, Hiroshi

[06. Coordination Chemistry, Organometallic Chemistry]

Room G2 (Sixth Building, 614)

March 16th (Thu)

- 09:00–09:10 **1G2-01** Synthesis of Cationic Hydrido(borylene)tungsten Complexes Stabilized by *N*-Heterocyclic Carbene and Their Reactions with Internal Alkynes (Grad. Sch. Sci., Tohoku Univ.) ○HUI, Zeping; WATANABE, Takahito; TOBITA, Hiromi
- 09:10–09:30 **1G2-02*** Reactions of a Tungsten Silylyne Complex Having an Eind Group on Its Silicon Atom with Aldehydes and Aldimines (Grad. Sch. Sci., Tohoku Univ.) ○YOSHIMOTO, Takashi; HASHIMOTO, Hisako; HAYAKAWA, Naoki; MATSUO, Tsukasa; TOBITA, Hiromi
- 09:30–09:50 **1G2-04*** Preparation of Highly Active Olefin Metathesis Catalyst Using Well-defined Tungsten Oxo Surface Species with Organosilicon Reductants (Grad. Sch. Eng. Sci., Osaka Univ.; ETH Zurich) ○NAGAE, Haruki; MOUGEL, Victor; CHAN, Ka-wing; SIDDIQI, Georges; KAWAKITA, Kento; TSURUGI, Hayato; SAFONOVA, Olga; COPERET, Christoph; MASHIMA, Kazushi
- 12:00–12:20 **1G2-19*** Theoretical Studies of the Catalytic Hydrogenation of Alkenes by a series of Disilametallacyclic iron and ruthenium Complexes (IMCE, Kyushu Univ.) ○TAHARA, Atsushi; TANAKA, Hiromasa; SUNADA, Yusuke; SHIOTA, Yoshihito; YOSHIKAWA, Kazunari; NAGASHIMA, Hideo
- 14:50–15:10 **1G2-36*** Formation of an Agostic P-H Bond on a Sterically Demanding Diruthenium Complex (Grad. Sch. Sci., Eng., Tokyo Tech.; Sch. Mater. & Chem. Tech., Tokyo Tech.) ○SHIMOGAWA, Ryuichi; TSURUMAKI, Yohei; KUZUTANI, Takuya; SUZUKI, Hiroharu; TAKAO, Toshiro
- 16:40–16:50 **1G2-47** Reactions of Aldehydes or Ketones with Dihydrosilanes Catalyzed by a Hydrido(silylene)ruthenium Complex (Grad. Sch. Sci., Tohoku Univ.) ○NONAKA, Hiroyuki; HASHIMOTO, Hisako; TOBITA, Hiromi
- 18:00–18:20 **1G2-55*** Cobalt or Iron Isocyanide Complexes Catalyzed Hydrosilylation of Alkenes with Hydrosiloxanes (IMCE, Kyushu Univ.) ○SANAGAWA, Atsushi; NAGASHIMA, Hideo

March 18th (Sat)

- 14:00–14:10 **3G2-31** Hydrosilylation reaction of sulfur-functionalized olefins catalyzed by iridium complexes (AIST) ○SRINIVAS, Venu; NAKAJIMA, Yumiko; SATO, Kazuhiko; SHIMADA, Shigeru
- 15:00–15:20 **3G2-37*** Efficient Hydrogen Storage and Production using an Iridium Catalyst with an Imidazoline-Based Proton-Responsive Ligand in Water (AIST) ○WANG, Lin; ONISHI, Naoya; MURATA, Kazuhisa; HIROSE, Takuji; MUCKERMAN, James T.; FUJITA, Etsuko; HIMEDA, Yuichiro
- 15:20–15:40 **3G2-39*** Chirality transfer of optically active allenes through nickel-catalyzed hydrocyanation and its application to hydrocyanative cyclization (Grad. Sch. Pharm. Sci., Chiba Univ.) ○AMAKO, Yuka; ARAI, Shigeru; NISHIDA, Atsushi
- 15:50–16:10 **3G2-42*** Multicomponent coupling reaction of alkyl halides, aryl Grignard reagents, and two molecules of 1,3-dienes catalyzed by an anionic Ni complex (Graduate School of Engineering, Osaka University) ○IWASAKI, Takanori; MIN, Xin; FUKUOKA, Asuka; YOKOYAMA, Wataru; KUNIYASU, Hitoshi; KAMBE, Nobuaki
- 16:30–16:40 **3G2-46** Silyl-Heck Reaction of Chlorosilanes by Nickel/Lewis Acid Catalysis (IRC3, AIST) ○HUANG, Jiadi; MATSUMOTO, Kazuhiro; NAKAJIMA, Yumiko; SATO, Kazuhiko; SHIMADA, Shigeru
- 16:40–16:50 **3G2-47** C(sp³)-F Bond Cleavage of α -Fluorocarbonyl Compounds with Ni(0)/NHC Complex (Sch. Eng., Osaka Univ.) ○YU, Tinghui; SAKAGUCHI, Hironobu; OHASHI, Masato; OGOSHI, Sensuke
- 17:00–17:10 **3G2-49** Synthesis of bulky, electron rich PNP pincer ligand and their Ni complexes (OIST Coordination Chemistry and Catalysis Unit) ○LAPOINTE, Sebastien; KHASKIN, Eugene; KHUSNUTDINOVA, Julia

March 19th (Sun)

- 10:20–10:40 **4G2-09*** Addition of Cationic Species on Electron-Rich Multinuclear Complexes with Bridging Germylene Ligands (Lab. Chem. Life Sci., Tokyo Tech.) ○TANAKA, Kimiya; TANABE, Makoto; OSAKADA, Kohtaro
- 14:10–14:30 **4G2-32*** Perfectly alternating donor-acceptor architecture mediated by coordination nanopores (Grad. Sch. Eng., Kyoto Univ.) ○KITAO, Takashi; UEMURA, Takashi; KITAGAWA, Susumu

Room G3 (Sixth Building, J631)

March 16th (Thu)

- 10:00–10:20 **1G3-07*** DNA binding and cytotoxicity of Fe/Pt based organometallic metallo-supramolecular polymers (Adv. Key Tech. Div., NIMS) ○RANA, Utpal; HIGUCHI, Masayoshi
- 10:20–10:40 **1G3-09*** Elucidation of Hydroxylation Mechanism of Tyrosinase Based on the Crystal Structures (Grad. Sch. Eng., Osaka Univ.) ○UMAKOSHI, Kyohei; ○FUJIEDA, Nobutaka; ITOH, Shinobu
- 11:20–11:40 **1G3-15*** X-ray crystallographic observation of Au nucleation inside ferritin cage. (Grad. Sch. Biosci. Biotech., Tokyo Tech.) ○MAITY, Basudev; ABE, Satoshi; UENO, Takafumi
- 13:10–13:20 **1G3-26** pH-Dependent conformational changes of hybrid-type artificial iron-siderophore complexes (Grad. Sch. Eng., Nagoya Inst. of Tech.) ○ENDO, Suguru; IDO, Hiroki; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki
- 13:30–13:50 **1G3-28*** Alkene Reduction Followed by C-F bond cleavage Using B₁₂-TiO₂ Photocatalyst (Grad. Sch. Eng., Kyushu Univ.) ○HUI, Tian; HISASHI, Shimakoshi; YOSHIO, Hisaeda

- 14:10–14:20 **1G3-32** Synthesis and reactivity of cyclophane type metal complexes bearing M-C bond for N₂ activation (Grad Sch. Eng., Nagoya Inst. of Tech.) ○TAKEMOTO, Yoshiyuki; LI, Zilong; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki
- 14:30–14:40 **1G3-34** Reactivity and identification of intermediates formed upon reaction of dinickel(II) complex with H₂O₂ (Grad. Sch. of Sci. and Eng., Doshisha Univ.) ○ZAOPUTRA, Antonius Andre; TSUJI, Tomokazu; HITOMI, Yutaka; KODERA, Masahito; OGURA, Takashi
- 15:30–15:50 **1G3-40*** Reactivity-Control of Cu(I) Complexes toward O₂ by Using 1,5-Diazacyclooctane-Based N₃ Ligands (Grad. Sch. Eng., Osaka Univ.) ○ABE, Tsukasa; MORIMOTO, Yuma; SUGIMOTO, Hideki; FUJIEDA, Nobutaka; ITOH, Shinobu
- 16:10–16:20 **1G3-44** Synthesis of some N4-type Co-nitrosyl complexes and the substituent effect for their properties (Grad Sch. Eng., Nagoya Inst. of Tech.) ○GOTO, Shiori; KIMOTO, Yuya; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki
- 16:30–16:50 **1G3-46*** Effect of axial phosphorus ligands on visible-light-induced CO-release properties of N,C,S-pincer iron(III) complexes (Grad. Sch. Sci., Osaka City Univ.) ○NAKAE, Toyotaka; HIROTSU, Masakazu; NAKAJIMA, Hiroshi
- 18:20–18:40 **1G3-57*** Synthesis and Photocatalytic Reactions of Novel Multinuclear Complexes Having Re(I)-Rings (Sch. Sci., Tokyo Tech.) ○YAMAZAKI, Yasuomi; KOIKE, Kazuhide; ISHITANI, Osamu

March 17th (Fri)

- 13:20–13:40 **2G3-27*** An Anthracene-Shelled Coordination Capsule: Selective Encapsulation of Disaccharide in Water (Lab. Chem. Life Sci., Tokyo Tech.) ○YAMASHINA, Masahiro; YOSHIKAWA, Michito; AKITA, Munetaka
- 14:20–14:40 **2G3-33*** Stepwise Construction of a Pt^{II}Pd^{II}Ni^{II} Heterotrimetallic Coordination Polymer Showing a Cooperative Effect on Catalytic Hydrogen Evolution (Grad. Sch. Sci., Osaka Univ.) ○KUWAMURA, Naoto; KURIOKA, Yoshinari; KONNO, Takumi
- 15:20–15:40 **2G3-39*** Emission and Magnetic Property of Tb Complex with Tb-Pt Heterometallic Bond (Grad. Sch. Sci., Tohoku Univ.) ○YOSHIDA, Takefumi; COSQUER, Goulven; YAMASHITA, Masahiro
- 15:40–15:50 **2G3-41** Realization of Slow Magnetic Relaxation in Heterometallic Gadolinium Complex (Grad. Sch. Sci., Tohoku Univ.; Fac. Phy. Sci., Univ. of Nigeria, Chem.) ○IZUOGU, David Chukwuma; YOSHIDA, Takefumi; COSQUER, Goulven; YAMASHITA, Masahiro
- 16:00–16:20 **2G3-43*** Synthesis of macrocyclic NCN-pincer ligand and its Pd complex (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○YAMAMOTO, Koji; OGAWA, Masahiro; NAMEKI, Riku; SOGAWA, Hiromitsu; TAKATA, Toshikazu
- 17:00–17:20 **2G3-49*** Linker-Dependence of Association Chirality of Chiral Clothespin-Shaped Binuclear Pd(II) Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) ○NAITO, Masaya; KOMIYA, Naruyoshi; NAOTA, Takeshi

March 18th (Sat)

- 09:20–09:30 **3G3-03** Computational Studies on Titanium-Mediated Dinitrogen Cleavage and Hydrogenation by Dihydrogen (RIKEN CSRS) ○LUO, Gen; WANG, Baoli; HOU, Zhaomin
- 10:10–10:30 **3G3-08*** Transformation of Dihydroindenyl Titanium Complexes Featuring Carbon-Carbon Bond Cleavage and Formation (Inst. for Cat., Hokkaido Univ.) ○MIZUKAMI, Yuki; SONG, Zhiyi; TAKAHASHI, Tamotsu
- 10:30–10:40 **3G3-10** Research on Oxidative Ring-opening of Titana- and Zirconacyclopentene Derivatives (Inst. for Cat., Hokkaido Univ.) LI, Haijun; ○SONG, Zhiyi; NAKAJIMA, Kiyohiko; TAKAHASHI, Tamotsu
- 11:20–11:40 **3G3-15*** Reductive Cleavage of Nitrogen-nitrogen Double Bond of Azocompounds by Low-valent Group 5 Metal Species (Grad. Sch. Eng. Sci., Osaka Univ.) ○KAWAKITA, Kento; TSURUGI, Hayato; MASHIMA, Kazushi
- 11:40–11:50 **3G3-17** Synthesis and Characterization of Tantalacyclopentadiene bridged Early-Late Heterobimetallic Tantalum-Nickel Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) ○LASKAR, Payel; MIFLER, Alexis; YAMAMOTO, Keishi; TSURUGI, Hayato; MASHIMA, Kazushi
- 11:50–12:10 **3G3-18*** Hydrogenation of CO₂ to Formates and Formamides *via* Bio-Inspired Mn Complexes (OIST) ○DUBEY, Abhishek; KHUSNUTDINOVA, Julia
- 13:40–14:00 **3G3-29*** Synthesis and Structure of Heavier Group 14 Analogues of Phenyl Anion (ICR, Kyoto Univ.) ○FUJIMORI, Shiori; MIZUHATA, Yoshiyuki; SASAMORI, Takahiro; TOKITOH, Norihiro
- 14:50–15:10 **3G3-36*** A Novel Cyclopentasiladienyl Anion Isomer (Grad. Sch. Sci., Tohoku Univ.) ○AKASAKA, Naohiko; ISHIDA, Shintaro; IWAMOTO, Takeaki

March 19th (Sun)

- 10:20–10:40 **4G3-09*** Electrochemical evaluation of molybdenum-dinitrogen complexes in ionic liquid and its application for ammonia synthesis (Grad Sch. Eng., Nagoya Inst. of Tech.) ○KATAYAMA, Akira; INOMATA, Tomohiko; OZAWA, Tomohiro; MASUDA, Hideki
- 10:50–11:00 **4G3-12** One-dimensional chain compounds based on paddlewheel-type dichromium(II,II) complexes: the electronic effect of bridging ligands in their ambiguous magnetic behavior (IMR, Tohoku Univ.) ○HUANG, Po-jung; SEKINE, Yoshihiro; KOSAKA, Wataru; TANIGUCHI, Kouji; MIYASAKA, Hitoshi
- 11:20–11:30 **4G3-15** Promotion of Nuclear Spin Conversion of Molecular Hydrogen Adsorbed in Cyanide-Bridged Porous Magnets (Grad. Sch. Sci., Kyushu Univ.) ○OHTSUBO, Yuta; MISHIMA, Akio; HORI, Akihiro; KOSHIYAMA, Tomomi; OHBA, Masaaki

- 14:10–14:20 **4G3-32** Study on self-rearrangement processes of metal-organic framework by transmission electron microscopy (Grad. Sch. Sci., The Univ. of Tokyo) ○XING, Junfei; SCHWEIGHAUSER, Luca; KUMAMOTO, Akihito; SHIBATA, Naoya; HARANO, Koji; NAKUMURA, Eiichi
- 14:50–15:10 **4G3-36*** Porous Molecular Conductors Self-Assembled from Coordination Polymers with π -Radicals (Grad. Sch. Sci., Tohoku Univ.) ○IGUCHI, Hiroaki; QU, Liyuan; MIYATA, Momoka; TAKAISHI, Shinya; YAMASHITA, Masahiro
- 15:20–15:40 **4G3-39*** Rational Molecular Design of a Photoactive Salen Ligand (LCCMS, IMS) ○KURAHASHI, Takuya

Room G4 (Sixth Building, J632)

March 16th (Thu)

- 09:30–09:50 **1G4-04*** Hydrogen-Bonded Supramolecular Structures and Isomerisms in Tris-Chelate Co(III) Complexes with Unsymmetrical Bidentate Ligands (Sch. Sci. Tech., Kwansei Gakuin Univ.) ○MITSUHASHI, Ryoji; SUZUKI, Takayoshi; HOSOYA, Satoshi; MIKURIYA, Masahiro
- 10:10–10:30 **1G4-08*** Variable Coordination Geometries with an Amine-Enamidophosphinimine Ligand on Cobalt (Grad Sch. Eng., Nagoya Inst. of Tech.) ○SUZUKI, Tatsuya; OZAWA, Tomohiro; INOMATA, Tomohiko; FRYZUK, Michael; MASUDA, Hideki
- 10:30–10:50 **1G4-10*** Tunable Flexibility Induced by a Polymeric Guest in a Porous Coordination Polymer (Grad. Sch. Eng., Kyoto Univ.) ○LE OUAY, Benjamin; UEMURA, Takashi; KITAGAWA, Susumu
- 10:50–11:10 **1G4-12*** Isolation of Heteroleptic bis-terpyridine Cobalt(II) Complex as the Crystalline State through via Base Pairing of Nucleobases (Dept. Chem., Grad. Sch. Sci. & Tech., Kumamoto Univ.) ○NAKAYA, Manabu; OHTANI, Ryo; NAKAMURA, Masaaki; HAYAMI, Shinya
- 11:20–11:40 **1G4-15*** Mechanistic Investigations of Electrochemical Hydrogen Evolution Catalyzed by a Cobalt-NHC Complex (Fac. Sci., Kyushu Univ.; WPI-I2CNER; CMS, Kyushu Univ.) ○KAWANO, Ken; YAMAUCHI, Kosei; SAKAI, Ken
- 11:50–12:10 **1G4-18*** Co-C bond formation reaction via the ligand reduction of cobalt porphycene (Grad. Sch. Eng., Kyushu Univ.; IMCE, Kyushu Univ.) ○KOIDE, Taro; SAEKI, Tatsuya; MORITA, Yoshitsugu; SHIOTA, Yoshihito; YOSHIZAWA, Kazunari; SHIMAKOSHI, Hisashi; HISAEDA, Yoshio
- 14:40–15:00 **1G4-35*** Tuning of optical properties of small gold clusters through π -mediated interactions (Grad. Sch. Env. Sci., Hokkaido Univ.) ○IWASAKI, Mitsuhiro; SHICHIBU, Yukatsu; KONISHI, Katsuaki
- 15:00–15:20 **1G4-37*** Aggregation-induced Switching of Photoluminescence Properties of Subnanometer gold clusters (Grad. Sch. Env. Sci., Hokkaido Univ.; Grad. Sch. Sci. Eng., Univ. of Toyama) ○SUGIUCHI, Mizuho; SHICHIBU, Yukatsu; OKUBO, Nobuyuki; MAEBA, Junichi; IWAMURA, Munetaka; NOZAKI, Koichi; KONISHI, Katsuaki
- 16:10–16:20 **1G4-44** Magnetic Property and Electronic Structure of Bis(μ -oxido)nickel(III) Complex Showing Aromatic Oxidation Reactivity (Grad. Sch. Eng., Osaka Univ.) ○MORIMOTO, Yuma; TAKAGI, Yusaku; ITOH, Shinobu
- 17:00–17:20 **1G4-49*** Stabilization of an Extraordinary Oxidation State of Nickel Center by Tris(1,3-aminopropanethiolato)rhodium(III) Octahedral Units (Grad. Sch. Sci., Osaka Univ.) ○KOUNO, Masahiro; KUWAMURA, Naoto; YOSHINARI, Nobuto; KONNO, Takumi
- 17:50–18:00 **1G4-54** Structures and Properties of pyz and 4,4'-bpy Adduct Polymers of Lantern-type Dirhodium(II) Units with Formamidinato and Pivalato Intra-dimer Bridges (Fac. Sci. Eng., Shimane Univ.) ○HANDA, Makoto; NISHIURA, Satoshi; YANO, Natsumi; MASUDA, Takafumi; MIKURIYA, Masahiro; KATAOKA, Yusuke

March 17th (Fri)

- 13:20–13:40 **2G4-27*** Electronic Structures and Reactivities of Organocopper N-Confused Corroles (Grad. Sch. Eng., Kyushu Univ.) ○MAURYA, Yogesh Kumar; NODA, Katsuya; ISHIDA, Masatoshi; FURUTA, Hiroyuki
- 13:40–14:00 **2G4-29*** Kinetic assembly of porous coordination networks utilizing labile Cu-Halides clusters (Sch. Sci., Tokyo Tech.) ○OHTSU, Hiroyoshi; KAWANO, Masaki
- 15:00–15:10 **2G4-37** Development of three-dimensional porous coordination polymers using a thiophene based ligand (WPI-iCeMS, Kyoto Univ.) ○KUSAKA, Shinpei; WANG, Fei; KITAGAWA, Susumu
- 15:20–15:30 **2G4-39** Synthesis and properties of coordination polymers consisting of components similar to ionic liquids (Grad. Sch. Env. Sci., Hokkaido Univ.) ○ZHENG, Xin; NORO, Shin-ichiro; KUBO, Kazuya; NAKAMURA, Takayoshi
- 15:30–15:40 **2G4-40** Steric Effect on the Structure and Luminescence of Copper(I) Pyridinophane Complexes (Coordination Chemistry and Catalysis Unit) ○PATIL, Pradnya; KHUSNUTDINOVA, Julia
- 15:40–15:50 **2G4-41** Intramolecular Non-Covalent Interactions as a Strategy Towards Controlled Photoluminescence in Copper(I) Complexes (OIST) ○FILONENKO, Georgy; KHUSNUTDINOVA, Julia

March 18th (Sat)

- 10:40–11:00 **3G4-11*** Visible-light-induced Hydrogen Evolution Driven by Pt(II) Terpyridine Complexes Tethered to an Electron Donor Site (Fac. Sci., Kyushu Univ.; WPI-I2CNER; CMS, Kyushu Univ.) ○MIYAJI, Masayuki; OZAWA, Hironobu; SAKAI, Ken
- 11:20–11:40 **3G4-15*** Hydrogen Evolution from Water Photocatalyzed by Chloro(terpyridine)platinum(II) Derivatives Tethered to a Methylviologen Acceptor (Fac. Sci., Kyushu Univ.; WPI-I2CNER; CMS, Kyushu Univ.) ○LIN, Shu; KITAMOTO, Kyoji; OZAWA, Hironobu; SAKAI, Ken

- 11:50–12:00 **3G4-18** Solid-state Phosphorescence of Vaulted *trans*-Bis(2-imidazolylaldiminato)platinum(II) Complexes: Crystal Design for Intense Emission Based on Controlled Molecular Alignment (Grad. Sch. Eng. Sci., Osaka Univ.) ○LE, Ngoc Ha Thu; NAOTA, Takeshi
- 12:00–12:20 **3G4-19*** Theoretical Investigation of Solid State Phosphorescence from Vaulted *trans*-Bis(salicylaldiminato)platinum(II) Complexes (Grad. Sch. Eng. Sci., Osaka Univ.) ○INOUE, Ryo; EHARA, Masahiro; NAOTA, Takeshi
- 13:30–13:50 **3G4-28*** Synthesis and physical properties of a novel two-legged MX-tube-type compound with flexible linker ligand (Dep. Chem., Sch. Sci., Kyoto Univ.) ○OTSUBO, Kazuya; SUGIMOTO, Kunihisa; FUJIWARA, Akihiko; KITAGAWA, Hiroshi
- 15:10–15:30 **3G4-38*** Facile Ion Exchange in Metallo-supramolecular Polymer for Improved Electronic Properties (MANA, NIMS) ○CHAKRABORTY, Chanchal; MORIYAMA, Satoshi; HIGUCHI, Masayoshi
- 15:40–15:50 **3G4-41** Synthesis and reactivity of hydride-based coordination polymers crystals (Grad. Sch. Eng., Kyoto Univ.) ○KADOTA, Kentaro; HORIKE, Satoshi; KITAGAWA, Susumu
- 16:50–17:10 **3G4-48*** Visible light driven water oxidation using co-modified ruthenium(II) dye/manganese porphyrin dimer Catalyst on TiO₂ Electrodes (Inst. Sci. Tech. Res., Chubu Univ.) ○MAJUMDER, Samit; ZAHARAN, Zaki; NARUTA, Yoshinori
- 17:10–17:30 **3G4-50*** A Mn water oxidation catalyst-Ru dye sensitizer dyad assembled electrodes for efficient visible light driven water splitting (Inst. Sci. Tech. Res., Chubu Univ.) ○NAGARAJU, Perumandla; MAJUMDER, Samit; ABDELHALEEM, Ashraf Mohamed; NARUTA, Yoshinori
- 18:00–18:20 **3G4-55*** Anisotropic thermal expansions arising from the decrease of local distortions in two-dimensional coordination polymers (Fac. Adv. Sci. Tech., Kumamoto Univ.) ○OHTANI, Ryo; HAYAMI, Shinya

March 19th (Sun)

- 10:20–10:30 **4G4-09** Syntheses and luminescence properties of amorphous Tb(III) complexes (Sch. Eng., Hokkaido Univ.) ○FERREIRA DA ROSA, Pedro Paulo; KITAGAWA, Yuichi; NAKANISHI, Takayuki; FUSHIMI, Koji; HASEGAWA, Yasuchika
- 10:50–11:10 **4G4-12*** Structures and magnetic properties of phthalocyaninato multiple-decker complexes in high oxidation states (Grad. Sch. Sci., Tohoku Univ.) ○HORII, Yoji; KATOH, Keiichi; YAMASHITA, Masahiro
- 11:20–11:30 **4G4-15** SYNTHESSES, CRYSTAL STRUCTURES AND SPECTROSCOPIC STUDIES OF LANTHANIDE(III) DITHIOCARBAMATE COMPLEXES (Grad. Sch. Edu., Okayama Univ.) ○YAKUBU, Abdallah; KITA, Masakazu; SUZUKI, Takayoshi
- 11:40–11:50 **4G4-17** Luminescence spectra of amphiphilic europium complexes with various molecular size (Grad. Sch. Sci., Eng., Aoyama Gakuin Univ.) ○OGATA, Shuhei; TANABE, Ryota; ISHII, Ayumi; HASEGAWA, Miki
- 12:00–12:10 **4G4-19** Syntheses and Luminescence Properties of Europium(III) Complexes Containing Triphenylene Frameworks (Sch. Eng., Hokkaido Univ.) ○SUZUE, Fumiya; KITAGAWA, Yuichi; NAKANISHI, Takayuki; FUSHIMI, Koji; HASEGAWA, Yasuchika
- 13:30–13:50 **4G4-28*** Properties of Single-Molecule Magnet Behavior for Dysprosium(III) Complexes with a Nitroxide and Precursory Hydroxylamine Ligand (Grad. Sch. Sci. Eng., The Univ. of Electro-Communications) ○KANETOMO, Takuya; ISHIDA, Takayuki
- 13:50–14:10 **4G4-30*** White Emitting Proton Conducting Europium(III) based Metallo-Supramolecular Polymer (NIMS) ○YEMINENI, S L V Narayana; HIGUCHI, Masayoshi

Room G5 (Sixth Building, J634)

March 16th (Thu)

- 09:30–09:50 **1G5-04*** Encapsulation of Emissive Metal Complexes within a Hydrogen-bonded Capsule (Grad. Sch. Eng., Nagasaki Univ.) ○HORIUCHI, Shinnosuke; TANAKA, Hirotaka; SAKUDA, Eri; ARIKAWA, Yasuhiro; UMAKOSHI, Keisuke
- 10:20–10:40 **1G5-09*** Mechanistic studies on water oxidation catalyzed by an oxido-bridged triruthenium complex (Fac. Sci., Kyushu Univ.; WPI-I2CNER; CMS, Kyushu Univ.) ○TSUBONOUCHI, Yuta; YAMAUCHI, Kosei; SAKAI, Ken
- 10:50–11:10 **1G5-12*** Highly Robust Systems for Photochemical Hydrogen Evolution Based on a Single-molecular Electron-storage Device (Fac. Sci., Kyushu Univ.; WPI-I2CNER; CMS, Kyushu Univ.) ○YAMAMOTO, Keiya; SAKAI, Ken
- 14:10–14:30 **1G5-32*** Electrochemical behavior of dinuclear Ru complexes with pyrene anchors on 2D carbon surface toward electronic device application (Fac. Sci. Eng., Chuo Univ.; NRI, AIST) ○OZAWA, Hiroaki; KATRI, Norihiko; OKIGAWA, Yuki; ISHIHARA, Masatou; HAGA, Masa-aki
- 14:40–15:10 **1G5-35 Young Scholar Lectures of CSJ** "Flexibility" in Porous Crystals for Exotic Functions (Grad. Sch. Eng., The Univ. of Tokyo) ○SATO, Hiroshi
- 15:20–16:20 **1G5-39 CSJ Award for Creative Works** Development of Metalloligand Approach and Rational Creation of Multinuclear Coordination Compounds Based on Thiol-Type Ligands (Grad. Sch. Sci., Osaka Univ.) ○KONNO, Takumi
- 16:30–16:50 **1G5-46*** Selective syntheses and electrochemical properties of hetero multinuclear metal complexes (LCCMS, IMS; Sch. Physical Sci., SOKENDAI; Grad. Sch. Sci., Nagoya Univ.; Fac. Sci., Fukuoka Univ.; ACT-C, JST) ○IZU, Hitoshi; OKAMURA, Masaya; KANAIKE, Mari; VIJAYENDRAN, Praneeth; KAWATA, Satoshi; KONDO, Mio; MASAOKA, Shigeyuki

- 16:50–17:10 **1G5-48*** Synthesis of ruthenium(II) complex bearing a thiourea derivative (Inst. Sci. Eng., Kanazawa Univ.) ○KAWAMOTO, Keisuke; SATO, Takuya; HAYASHI, Yoshihito
- 17:40–18:00 **1G5-53*** Gas-responsive Porous Magnet of a Layered Assembly of Paddlewheel-type Diruthenium Unit and TCNQ (IMR, Tohoku Univ.) ○KOSAKA, Wataru; LIU, Zhaoyuan; ZHANG, Jun; MIYASAKA, Hitoshi
- 18:00–18:20 **1G5-55*** Construction of Photo-Driven Hydrogen Evolution Space Based on Hybrid Inorganic Membrane (iCHELLS) (Grad. Sch. Sci., Kyushu Univ.) ○NAKANISHI, Keita; COOPER, Geoffrey; POINTS, Laurie; BLOOR, Leanne; OHBA, Masaaki; CRONIN, Leroy

March 17th (Fri)

- 16:40–16:50 **2G5-47** Dihalodigermenes Stabilized by the Bulky Rind Groups (Fac. Sci. Eng., Kindai Univ.) ○HAYAKAWA, Naoki; NUMATA, Yasuyuki; KAWAII, Hotaka; YAMATANI, Kenta; GODA, Shun; HASHIZUME, Daisuke; SUGAHARA, Tomohiro; SASAMORI, Takahiro; TOKITOH, Norihiro; MATSUO, Tsukasa

March 18th (Sat)

- 09:00–09:20 **3G5-01*** Tuning redox potential of a pentanuclear iron water oxidation catalysts by ligand modifications. (Functional Coordination Chemistry) ○VIJAYENDRAN, Praneeth; KONDO, Mio; OKAMURA, Masaya; MASAOKA, Shigeyuki
- 09:20–09:40 **3G5-03*** A pentanuclear iron catalyst for water oxidation with low overpotential (LCCMS, IMS; Grad. Sch. Sci., Nagoya Univ.; Fac. Sci., Fukuoka Univ.; ACT-C, JST) ○OKAMURA, Masaya; KUGA, Reiko; KAWATA, Satoshi; KONDO, Mio; MASAOKA, Shigeyuki
- 10:30–10:50 **3G5-10*** Development of new spin crossover Fe(II) complexes with short hydrogen bonds. (IMCE, Kyushu Univ.) ○NAKANISHI, Takumi; SATO, Osamu
- 11:40–11:50 **3G5-17** Correlation between Iodine Migration in Hofmann-type Porous Coordination Polymer Solid Solutions and Magnetic Property (Grad. Sch. Sci., Kyushu Univ.) ○TSUJI, Miho; MISHIMA, Akio; KOSHIYAMA, Tomomi; OHBA, Masaaki
- 13:30–13:50 **3G5-28*** Functionalities and structures of cyanido-bridged Co-W bimetal assemblies (Grad. Sch. Sci., The Univ. of Tokyo) ○NAKABAYASHI, Koji; CHORAZY, Szymon; MIYAMOTO, Yasuto; KOMINE, Masaya; TAKAHASHI, Daisuke; KINOSHITA, Takaaki; SIEKLUCKA, Barbara; OHKOSHI, Shin-ichi
- 13:50–14:00 **3G5-30** Photo-reversible magnetization in a two-step spin-crossover Fe-Nb cyanido-bridged metal assembly (Grad. Sch. Sci., The Univ. of Tokyo) ○IMOTO, Kenta; OHKOSHI, Shin-ichi
- 14:20–14:30 **3G5-33** Hysteretic spin crossover around room temperature of a mononuclear iron(II) complex with an asymmetric tetradentate ligand (Fac. Edu., Gifu Univ.) ○HAGIWARA, Hiroaki; MASUDA, Takuya
- 16:00–16:10 **3G5-43** Oxidation of Light Alkanes by μ -Nitrido Dinuclear Iron Complex Formed in Supramolecular Heterodimer of a Porphyrin and a Phthalocyanine (Grad. Sch. Sci., Nagoya Univ.; IMCE, Kyushu Univ.) ○MIHARA, Nozomi; YAMADA, Yasuyuki; MORITA, Kentaro; IGAWA, Kazunobu; TOMOOKA, Katsuhiko; TANAKA, Kentaro
- 16:40–16:50 **3G5-47** Synthesis of π -Bridged Thiolate Iron Carbonyl Complexes by Using Thiophene Derivatives (Grad. Sch. Sci., Osaka City Univ.) ○HIROTSU, Masakazu; ISHIMOTO, Yukari; NAKAJIMA, Hiroshi
- 17:00–17:20 **3G5-49*** Chemisorption-induced Two-Way Structural Transformation in a Metal-Organic Framework Thin Film (Dep. Chem., Sch. Sci., Kyoto Univ.) ○HARAGUCHI, Tomoyuki; OTSUBO, Kazuya; SAKATA, Osami; FUJIWARA, Akihiko; KITAGAWA, Hiroshi

March 19th (Sun)

- 10:20–10:30 **4G5-09** Electronic Structures and Reduction Behaviors of Ruthenium(II) Complexes Having the Azo Group (Sci. Tec., Sophia Univ.) ○SUMOGE, Yuka; NAGAO, Hirotaka
- 10:50–11:10 **4G5-12*** Development of the supramolecular complex photocatalysts for CO₂ reduction molecular-designed for the immobilization with heterogeneous materials (Sch. Sci., Tokyo Tech.) ○TAMAKI, Yusuke; ISHITANI, Osamu
- 11:20–11:40 **4G5-15*** Conversion reaction of nitrate into nitrogen monoxide on the doubly oxido-bridged Ru(III)-Ru(IV) diruthenium complex (Sci. Tec., Sophia Univ.) ○SUZUKI, Tomoyo; NAGAO, Hirotaka
- 14:00–14:10 **4G5-31** Solvent Effects on Alkane Hydroxylation Catalyzed by A Nickel Complex with Hydrophobic Substituents (Grad. Sch. Eng., Osaka Univ.) ○MORIMOTO, Yuma; NISHIMOTO, Aika; ITOH, Shinobu
- 14:10–14:30 **4G5-32*** Dualistic adsorption behavior of switchable MOF (Dept. Inorg. Chem. TUD) BON, Volodymyr; KAVOOSI, Negar; SENKOVSKA, Irena; ○EHRLING, Sebastian; KASKEL, Stefan
- 14:40–14:50 **4G5-35** Structure and Electronic State of Two-Dimensional Layered-Type Nickel MX-Ghost Leg Complexes under High-Pressure (Dep. Chem., Sch. Sci., Kyoto Univ.) ○HASHIGUCHI, Ryota; OTSUBO, Kazuya; MAESATO, Mitsuhiko; OHISHI, Yasuo; HIRAO, Naohisa; KITAGAWA, Hiroshi
- 14:50–15:10 **4G5-36*** Physical properties of hydrogen-bonded inorganic-organic hybrids based on chains with an alternating metal-sulfur component (Dep. Chem., Sch. Sci., Kyoto Univ.) ○HAYASHI, Mikihiro; SUGIMOTO, Kunihisa; KITAGAWA, Hiroshi
- 15:20–15:40 **4G5-39*** Mechanistic Studies on Hydrogen Evolution from Water Catalyzed by Ni(II)-based Molecular Catalysts (Fac. Sci., Kyushu Univ.; WPI-I2CNER; CMS, Kyushu Univ.) ○YAMAUCHI, Kosei; NAKASHIMA, Shintaro; KOSHIBA, Keita; SAKAI, Ken

[07A. Physical Organic Chemistry Structures and Properties]

Room F6 (Fourth Building Independence Wing, [Dokuritsu-kan], D410)

March 16th (Thu)

- 13:00–13:20 **1F6-25*** Tetraazaporphyrin *meso*-N-Oxides: Synthesis and Tunable Optical Properties (Grad. Sch. Pharm., The Univ. of Tokyo; RIKEN) ○TORIUMI, Naoyuki; YANAGI, Shunsuke; MURANAKA, Atsuya; UCHIYAMA, Masanobu
 13:40–14:00 **1F6-29*** Stable Aminyl Radicals of a Triaminobenzene-fused Porphyrin Trimer (Dep. Chem., Sch. Sci., Kyoto Univ.) ○SHIMIZU, Daiki; OSUKA, Atsuhiko

March 17th (Fri)

- 10:10–10:30 **2F6-08*** Aromaticity, Reactivity, and Coordination Property of *meso*-Aryl β -Alkyl Hybrid Pentaphyrins (Grad. Sch. Pharm. Sci., Chiba Univ.) ○YONEDA, Tomoki; MORI, Daiki; HOSHINO, Tyuji; NEYA, Saburo
 10:50–11:10 **2F6-12*** Metal Complexes of *meso*-*meso* Linked Corrole Dimers (Dep. Chem., Sch. Sci., Kyoto Univ.) ○OOI, Shota; TANAKA, Takayuki; OSUKA, Atsuhiko

March 18th (Sat)

- 10:00–10:20 **3F6-07*** Magnetic Properties of Biradical and Diradical Liquid Crystals (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) ○TAKEMOTO, Yusa; ELENA, Zaytseva; YOSHIOKA, Naoki; SUZUKI, Katsuaki; UCHIDA, Yoshiaki; SHIMONO, Satoshi; KATO, Tatsuhisa; DMITRII G, Mazhukin; TAMURA, Rui
 11:10–11:30 **3F6-14*** Synthesis and Carrier Transporting Property of N-Shaped π -Conjugated Molecules Including a Pyrazine Moiety (Grad. Sch. Frontier Sci., The Univ. of Tokyo; Grad. Sch. Sci. and Eng., Kansai Univ.) ○KUSHIDA, Tomokatsu; MITANI, Masato; MITSUI, Chikahiko; AOKI, Yuji; MURATA, Yoshinori; SHIKATA, Ryoji; WAKIMOTO, Takahiro; YANO, Masafumi; TAKEYA, Jun; OKAMOTO, Toshihiro
 11:30–11:50 **3F6-16*** Crystal and liquid crystal structures in phenyl-benzothienobenzothiophene derivatives for organic transistor applications (IIR, Tokyo Tech.) ○IINO, Hiroaki; USUI, Takayuki; HANNA, Jun-ichi
 13:20–13:40 **3F6-27*** Substituent Effects on Sulfur-bridged N-shaped Semiconducting Molecules and Their Carrier Transporting Properties (Grad. Sch. Frontier Sci., The Univ. of Tokyo; Grad. Sch. Sci. and Eng., Kansai Univ.; Rigaku Corp.) ○MITANI, Masato; AOKI, Yuji; SHIKATA, Ryoji; MURATA, Yoshinori; YANO, Masafumi; SATO, Hiroyasu; YAMANO, Akihito; TAKEYA, Junichi; MITSUI, Chikahiko; OKAMOTO, Toshihiro
 13:40–14:00 **3F6-29*** Structural change and dynamics in aggregated structure of sulfur-bridged N-shape organic semiconductor under thermal condition (Grad. Sch. Frontier Sci., The Univ. of Tokyo) ○MITSUI, Chikahiko; MITANI, Masato; HASHIZUME, Daisuke; ISHII, Hiroyuki; TAKEDA, Kodai; KATO, Tetsuya; KATAYAMA, Masayuki; SATO, Hiroyasu; YAMANO, Akihito; TAKEYA, Jun; OKAMOTO, Toshihiro
 15:40–16:00 **3F6-41*** Construction of Helical Structure based on L-shaped Dibenzopyrrolo[1,2-a][1,8]naphthyridines (Grad. Sch. Chem. Sci. Technol., TUS) ○TATENO, Kotaro; OTANI, Takashi; ONO, Kosuke; SAITO, Takao; KAWAI, Hidetoshi
 16:10–16:30 **3F6-44*** Thermodynamics and photodynamics of a monoprotonated porphyrin directly stabilized by hydrogen bonding (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; IAI, Osaka Univ.; IMCE, Kyushu Univ.; Faculty of Science and Technology; Department of Chemistry and Nano Science, Ewha Womans Univ.) ○SUZUKI, Wataru; KOTANI, Hiroaki; ISHIZUKA, Tomoya; OHKUBO, Kei; SHIOTA, Yoshihito; YOSHIZAWA, Kazunari; FUKUZUMI, Shunichi; KOJIMA, Takahiko

March 19th (Sun)

- 13:30–13:50 **4F6-28*** Selective Synthesis and Properties of Novel Hybrid Naphthalene-Based Nitrogen Containing Electron Deficient π -Systems (Fac. Eng., Hiroshima Univ.) ○MIKIE, Tsubasa; OSAKA, Itaru
 14:40–15:00 **4F6-35*** Synthesis and Properties of Fused Azobenzene-Boron Complexes (Grad. Sch. Eng., Kyoto Univ.) ○GON, Masayuki; TANAKA, Kazuo; CHUJO, Yoshiki
 15:00–15:10 **4F6-37*** Synthesis and Evaluation of Fused Azomethine-Boron Complexes with Solid-State Emissive Properties (Grad. Sch. Eng., Kyoto Univ.) ○OHTANI, Shunsuke; GON, Masayuki; TANAKA, Kazuo; CHUJO, Yoshiki
 16:30–16:50 **4F6-46*** Development of Fused Boron Ketoimines with Highly-Efficient Solid-State Emission (Grad. Sch. Eng., Kyoto Univ.) ○SUENAGA, Kazumasa; TANAKA, Kazuo; CHUJO, Yoshiki

Room F7 (Fourth Building Independence Wing, [Dokuritsu-kan], D411)

March 16th (Thu)

- 15:20–15:40 **1F7-39*** Development of π -Conjugated Foldamers Consisting of Fused-Thiophene Unit (ICYS, NIMS) ○NAGURA, Kazuhiko; MOCHIZUKI, Chihiro; TAKEUCHI, Masayuki
 17:00–17:10 **1F7-49*** D-A Type Polymers Containing Thiazole-Fused Benzothiadiazole (ICR, Kyoto Univ.) ○NAKAMURA, Tomoya; ARAKAWA, Noriko; HORI, Megumi; ISHIKURA, Yasuhisa; MURATA, Michihisa; WAKAMIYA, Atsushi; MURATA, Yasujiro
 17:40–17:50 **1F7-53*** Analysis of Electronic Structure of π -Dimers of Conjugated Oligomer Radical Cations as Revealed by Nitronyl Nitroxide Spin Label (Grad. Sch. Sci. Eng., TMU; Grad. Sch. Sci., Osaka City Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) ○NISHINAGA, Tohru; KANZAKI, Yuki; SHIOMI, Daisuke; SUZUKI, Shuichi; OKADA, Keiji

March 17th (Fri)

- 09:20–09:30 **2F7-03*** Synthetic Study of [4]Cycloparaphenylene (ICR, Kyoto Univ.) ○KAYAHARA, Eiichi; YAMAGO, Shigeru

- 09:30–09:40 **2F7-04** Synthetic Study of Cyclic Azulene Oligomers from Cyclic Platinum Complexes (ICR, Kyoto Univ.) ○LI, Wenjuan; KAYAHARA, Eiichi; YAMAGO, Shigeru
- 09:40–10:00 **2F7-05*** [4+2]Cycloaddition Reaction of Cycloparaphenylenes with 1,2,4-Triazoline-3,5-dione (ICR, Kyoto Univ.) ○QU, Rui; KAYAHARA, Eiichi; YAMAGO, Shigeru
- 10:50–11:10 **2F7-12*** Elucidation of the Through-Space Spin Delocalization Mode of Phenalenyl-Fused [3.3.3]Propellane (Grad. Sch. Sci., Osaka Univ.) ○KODAMA, Takuya; HIRAO, Yasukazu; NISHIUCHI, Tomohiko; KUBO, Takashi
- 12:00–12:10 **2F7-19** Host-Guest Complexations of [10]Cycloparaphenylene and its Derivatives with Fullerene Dimer (ICR, Kyoto Univ.) ○SUN, Liansheng; KAISE, Misaki; KAYAHARA, Eiichi; MATSUO, Yutaka; YAMAGO, Shigeru
- 13:30–14:00 **2F7-28 Young Scholar Lectures of CSJ** Development of Functional Materials and Reactions Based on Open-Shell π -Conjugated Species (Grad. Sch. Eng., Kyoto Univ.) ○SHIMIZU, Akihiro
- 14:00–14:20 **2F7-31*** Synthesis and Electronic Properties of Carborane Derivatives Containing π -Conjugated Organic Molecular Units (Grad. Sch. Eng., Kyoto Univ.) ○UEBE, Masashi; KAZAMA, Tatsuya; ITO, Akihiro
- 17:00–17:20 **2F7-49*** Through-Space Interactions between Radical Electrons in Helical Molecules (Sch. Eng. Sci., Osaka Univ.) ○TAKAMUKU, Shota; NAKANO, Masayoshi; KERTESZ, Miklos

March 18th (Sat)

- 09:20–09:30 **3F7-03** Effect of Aryl Groups at 7-Position on the Properties of Phospha-dithienorhodamines (Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.; Hamamatsu Photonics K.K.) ○FUKAZAWA, Aiko; NAMBA, Yasumasa; SUZUKI, Kengo; YAMAGUCHI, Shigehiro
- 11:00–11:10 **3F7-13** Construction of Pentaazaphenylene Rings Having Various Substituents and Their Optical Properties (Grad. Sch. Eng., Kyoto Univ.) ○WATANABE, Hiroyuki; TANAKA, Kazuo; CHUJO, Yoshiaki
- 13:30–13:50 **3F7-28*** A Molecule That Becomes Dark Color When Its Crystals Are Ground (Grad. Sch. Eng., The Univ. of Tokyo; USTC) ○MATSUO, Yutaka; SUZUKI, Tsuyoshi; OKADA, Hiroshi; NAKAGAWA, Takafumi
- 14:10–14:20 **3F7-32** Benzoin Derived Ladder-Type π -Conjugated Molecules Containing B-N Coordination; Synthesis and Their Photophysical Properties (Graduate School of Science, Osaka University) ○RAHMAYANTI, Yosephin Dewiani; TANI, Yosuke; OGAWA, Takuji
- 14:40–15:00 **3F7-35*** Synthesis, structure, and photophysical property of tris(2-hydroxyphenyl)triazasumanene (Grad. Sch. Eng., Osaka Univ.) ○KAEWMATI, Patcharin; HIGASHIBAYASHI, Shuhei; YAKIYAMA, Yumi; OHTSU, Hiroyoshi; KAWANO, Masaki; SAKURAI, Hidehiro
- 15:00–15:10 **3F7-37** Study of excited state intramolecular proton transfer of tris(2-hydroxyphenyl)triazasumanene by TD-DFT calculation (Grad. Sch. Eng., Osaka Univ.) ○SARTYOUNGKUL, Sitanan; KAEWMATI, Patcharin; EHARA, Masahiro; SAKURAI, Hidehiro
- 15:10–15:30 **3F7-38*** Molecular location recognizing approach by the anisotropic magnetic property of an endohedral metallofullerene Ce@C₈₂ (WPI-iCeMS, Kyoto Univ.) ○TAKANO, Yuta; TASHITA, Ryo; SUZUKI, Mitsuaki; NAGASE, Shigeru; IMAHORI, Hiroshi; AKASAKA, Takeshi
- 17:00–17:20 **3F7-49*** Syntheses of sumanene fused-aromatic and heteroaromatic compounds (Grad. Sch. Eng., Osaka Univ.) ○NGAMSOMPRASERT, Niti; HIGASHIBAYASHI, Shuhei; YAKIYAMA, Yumi; SAKURAI, Hidehiro
- 17:20–17:40 **3F7-51*** Synthesis of graphene molecules and graphene nanoribbons with zigzag edges (MPIP) ○NARITA, Akimitsu; DUMSLAFF, Tim; WANG, Xiao-ye; CHEN, Qiang; HU, Yunbin; RUFFIEUX, Pascal; FASEL, Roman; FENG, Xinliang; MUELLEN, Klaus

March 19th (Sun)

- 10:10–10:40 **4F7-08 CSJ Award for Young Chemists** Innovative Synthesis and Functions of Curved- π Conjugated Molecules (Grad. Sch. Eng., Nagoya Univ.) ○HIROTO, Satoru
- 15:10–15:20 **4F7-38** Stereoisomerism, crystal structures, and dynamics of belt-shaped cyclonaphthylenes (Fac. Sci., The Univ. of Tokyo) ○SUN, Zhe; SUENAGA, Takuya; SARKAR, Parantap; KOTANI, Motoko; SATO, Sota; ISOBE, Hiroyuki

Room F8 (Fourth Building Independence Wing, [Dokuritsu-kan], D412)

March 16th (Thu)

- 13:00–13:20 **1F8-25*** Self-assembly Process of a Pd₁₂L₂₄ Sphere Complex (Grad. Sch. Arts and Sci., The Univ. of Tokyo) ○KAI, Shumpei; SHIGETA, Taro; KOJIMA, Tatsuo; HIRAOKA, Shuichi
- 14:10–14:30 **1F8-32*** Artificial synthetic monodispersed aggregate with highest decomposition temperature over 150 °C in water (Grad. Sch. Arts and Sci., The Univ. of Tokyo) ○ZHAN, Yiyang; KOJIMA, Tatsuo; HIRAOKA, Shuichi
- 16:00–16:20 **1F8-43*** Synthesis of water-soluble triazinophanes and evaluation of their molecular properties (Fac. Sci., Fukuoka Univ.) ○KUSANO, Shuhei; KONISHI, Sae; HAYASHIDA, Osamu

March 17th (Fri)

- 09:20–09:40 **2F8-03*** Pt Cluster Catalyst with Molecular-shape Selectivity Utilizing Dendritic Nanocavity (Lab. Chem. Life Sci., Tokyo Tech.; JST-ERATO; PRESTO, JST) ○KATO, Yuto; KAMBE, Tetsuya; IMAOKA, Takane; YAMAMOTO, Kimihisa
- 09:50–10:00 **2F8-06** Capsule-bowl conversion mediated by guest encapsulation/reaction (Grad. Sch. Eng., The Univ. of Tokyo) ○WANG, Shitao; SAWADA, Tomohisa; FUJITA, Makoto

17:00–17:20 **2F8-49*** Synthesis of New Cyclic Amides Bearing a Dynamic Thiahelicene Unit and their Helicity Control by Complexation with Chiral Guests (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○NAMBU, Yoko; TAKAHASHI, Kaori; TAKATA, Toshikazu

March 18th (Sat)

09:50–10:00 **3F8-06** Synthesis and Optical Properties of Ethynylanthracene-Substituted *o*-Carborane (Grad. Sch. Eng., Kyoto Univ.) ○YAMAMOTO, Hideki; TANAKA, Kazuo; CHUJO, Yoshiki
10:10–10:30 **3F8-08*** Regulation of Solid-State Emission of Aryl-Modified Carboranes by External Stimuli (Grad. Sch. Eng., Kyoto Univ.) ○TANAKA, Kazuo; NISHINO, Kenta; YAMAMOTO, Hideki; CHUJO, Yoshiki
10:50–11:00 **3F8-12** Synthesis and Photophysical Properties of Diiminate Complexes Containing Group 13 Elements (Grad. Sch. Eng., Kyoto Univ.) ○ITO, Shunichiro; YAMAGUCHI, Madoka; TANAKA, Kazuo; CHUJO, Yoshiki
11:20–11:40 **3F8-15*** Full-color emission tuning in OLED based on aggregation formation and aggregation induced exciplex formation (OPERA, Kyushu Univ.) ○TSUCHIYA, Youichi; NAKANOTANI, Hajime; ITO, Fuyuki; ADACHI, Chihaya
11:50–12:10 **3F8-18*** Luminescent Mechanochromism of Gold Isocyanide Complex Possessing Chiral Crystalline Phase (Grad. Sch. Chem. Sci. and Eng., Hokkaido Univ.) ○JIN, Mingoo; SEKI, Tomohiro; ITO, Hajime
15:10–15:30 **3F8-38*** Excited state engineering for efficient reverse intersystem crossing process (OPERA, Kyushu Univ.) ○NODA, Hiroki; NAKANOTANI, Hajime; KABE, Ryota; ADACHI, Chihaya
17:00–17:20 **3F8-49*** Photon Upconversion in Highly Ordered Ionic Crystals (Grad. Sch. Eng., Kyushu Univ.; CMS, Kyushu Univ.; PRESTO, JST) ○OGAWA, Taku; YANAI, Nobuhiro; KIMIZUKA, Nobuo
17:50–18:10 **3F8-54*** Synthesis of divinylbipyrrole: influences of alkyl groups on solubility and photophysical properties (Kitakyushu Nat. Coll. of Tech.) ○OKAWARA, Toru; KAWANO, Reo; TOYOFUKU, Renjirou; MATSUMOTO, Kanako; YAMAMOTO, Ryutaro; TAKEHARA, Kenji

March 19th (Sun)

10:10–10:30 **4F8-08*** Cooperatively Interlocked [2+1]-Type π -System-Anion Complexes and Their Ion Pairs (Coll. Life Sci., Ritsumeikan Univ.) ○YAMAKADO, Ryohei; MAEDA, Hiromitsu
10:30–10:50 **4F8-10*** Remarkable Solvatochromism of a [2.2]Paracyclophane-Containing Organoboron Complex (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.) ○TANAKA, Mirai; MURAOKA, Shunsuke; MATSUI, Yasunori; OHTA, Eisuke; SAKAI, Atsushi; OGAKI, Takuya; YOSHIMOTO, Yuichi; MIZUNO, Kazuhiko; IKEDA, Hiroshi

Room F9 (Fourth Building Independence Wing, [Dokuritsu-kan], D413)

March 16th (Thu)

12:40–13:00 **1F9-23*** Carboxylative cyclization reaction of propargylamines with carbon dioxide using Pd-tethering macrocyclic catalyst (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○KIM, Nam-kyun; SOGAWA, Hiromitsu; YAMAMOTO, Koji; TAKATA, Toshikazu
13:10–13:30 **1F9-26*** Decomposition Behavior of Size-Complementary [2]Rotaxanes Having Axle Terminal 2,6-Dimethylphenyl Group as an End-Cap Group (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○SATO, Hiroki; AOKI, Daisuke; TAKATA, Toshikazu
13:30–13:40 **1F9-28** Synthesis of Rotaxane Based on Strapped Porphyrin : Tandem Active Templates in Click Chemistry (Grad. Sch. Eng., Osaka Univ.; Univ. of Strasbourg) ○MIYAZAKI, Yuta; WYTKO, Jennifer; HAYASHI, Takashi; WEISS, Jean
14:40–14:50 **1F9-35** Multi-Stimuli-Responsive Four-State Molecular Shuttling of a [2]Rotaxane (Grad. Sch. Eng., Univ. of Fukui) ○KIMURA, Masaki; MIZUNO, Takuma; UEDA, Masahiro; MIYAGAWA, Shinobu; KAWASAKI, Tsuneomi; TOKUNAGA, Yuji
16:50–17:10 **1F9-48*** Supramolecular chemistry of giant cylindrical polymer brushes: Formation of huge crystalline lattices in aqueous media and their hierarchical structures (RIKEN CEMS) ○YAMAUCHI, Yoshihiro; YAMADA, Kuniyo; HORIMOTO, Noriko; ISHIDA, Yasuhiro
18:40–18:50 **1F9-59** Crystalline Dopant Strategy toward New Concept Polymer Composites (Dept. of App. Chem., The Univ. of Tokyo) ○FUJITA, Daishi; YOSHIDA, Nobuhiro; FUJITA, Makoto

March 17th (Fri)

09:30–09:50 **2F9-04*** Self-Assembly of Peanut-Shaped Polyaromatic Compounds (Lab. Chem. Life Sci., Tokyo Tech.) ○YAZAKI, Kohei; KIKUCHI, Takashi; SATO, Hiroyasu; SOUMYAKANTA, Prusty; DILLIP KUMAR, Chand; YOSHIZAWA, Michito; AKITA, Munetaka
14:10–14:30 **2F9-32*** Phenotypic Plasticity Intrinsic in Vesicle-based Model Protocell Emerged by Primitive Central Dogma (Grad. Sch. Arts and Sci., The Univ. of Tokyo) ○MATSUO, Muneyuki; KURIHARA, Kensuke; TOYOTA, Taro; SUZUKI, Kentaro; SUGAWARA, Tadashi
17:30–17:40 **2F9-52** Theoretical insight into the dynamics of iodine captured cycloparaphenylene. (Sch. Sci., Nagoya Univ.; Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.; ERATO, JST) ○KIMURA, Ryuto; HIJIKATA, Yuh; SAKAMOTO, Hiroto; OZAKI, Noriaki; ITAMI, Kenichiro; IRLE, Stephan

March 18th (Sat)

10:10–10:20 **3F9-08** Reversible Catch and Release of Hydrophilic Compounds Using a Transformable Molecular Tube Possessing Acridinium Panels (Lab. Chem. Life Sci., Tokyo Tech.) ○KURIHARA, Kohei; YAZAKI, Kohei; YOSHIZAWA, Michito; AKITA, Munetaka

- 11:20–11:40 **3F9-15*** Synthesis and structure of a giant macrocycle composed of diindolocarbazole and salphen (Grad. Sch. Sci., Nagoya Univ.) ○KAWANO, Shin-ichiro; KATO, Masahiro; SOUMIYA, Shinya; SAKATA, Takuya; NAKAYA, Masato; ONOE, Jun; TANAKA, Kentaro
- 12:00–12:20 **3F9-19*** Improved extraction efficiency of carotenoids in plants by the Z-isomerization treatment (Grad. Sch. Bioagr. Sci., Nagoya Univ.) ○HONDA, Masaki; WATANABE, Yoi; KANDA, Hideki; GOTO, Motonobu
- 13:30–13:40 **3F9-28** 2-D Self-Assembly of Photochromic Diarylethenes Having Oligopeptide Chains at the Liquid/Graphite Interface and Its Photoresponsive Behavior (Grad. Sch. Eng., Kyoto Univ.) ○NISHITANI, Nobuhiko; HIROSE, Takashi; MATSUDA, Kenji
- 13:50–14:10 **3F9-30*** Cooperative Supramolecular Polymerization Controlled by Degrees of Molecular Conformational Freedom (Grad. Sch. Eng., Chiba Univ.; Grad. Sch. Eng., Chiba Univ.) ○YAMAUCHI, Mitsuaki; YAGAI, Shiki
- 14:10–14:30 **3F9-32*** Electric stimulus induced phase transition of Iodine Containing Cycloparaphenylenes (Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.) ○OZAKI, Noriaki; SAKAMOTO, Hirotooshi; NISHIHARA, Taishi; ITAMI, Kenichiro
- 14:50–15:10 **3F9-36*** Rotational motion of a circularly arranged hexad triptycene molecule: gearing effects and control approach (Grad. Sch. Sci., The Univ. of Tokyo) ○YAMADA, Ryo; ISHIDA, Junichi; UBE, Hitoshi; SATO, Hiroyasu; SHIRO, Motoo; SHIONOYA, Mitsuhiko
- 15:10–15:30 **3F9-38*** Kinetically controlled nanostructures of supramolecular polymers with spontaneous curvature (Grad. Sch. Eng., Chiba Univ.) ○PRABHU, Deepak Dayanandan; YAGAI, Shiki
- 17:00–17:20 **3F9-49*** Redox Responsibility and Solid State Luminescence Properties of Insulated π -Conjugated Metallopolymers (Grad. Sch. Eng., Kyoto Univ.) ○HOSOMI, Takuro; MASAI, Hiroshi; TERAO, Jun; FUJIHARA, Tetsuaki; TSUJI, Yasushi

March 19th (Sun)

- 09:20–09:40 **4F9-03*** Control over differentiation of a metastable supramolecular assembly in one- and two-dimensions (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; NIMS Molecular Design & Function Group) ○ FUKUI, Tomoya; TAKEUCHI, Masayuki; SUGIYASU, Kazunori
- 10:30–10:40 **4F9-10** Macrocyclic hexanuclear zinc complex that realizes control of recognition modes of guest molecules by external stimuli (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; TIMS, Univ. of Tsukuba) ○ KANEKO, Yuya; NAKAMURA, Takashi; NABESHIMA, Tatsuya
- 10:40–10:50 **4F9-11** Triangular Multinuclear Metal Complexes that Orderly Accumulate Labile Coordination Sites (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba; TIMS, Univ. of Tsukuba) ○KAWASHIMA, Yuto; NAKAMURA, Takashi; NABESHIMA, Tatsuya
- 10:50–11:10 **4F9-12*** Self-sorting of two hydrocarbon receptors with one carbonaceous ligand (Grad. Sch. Sci., The Univ. of Tokyo; ERATO, JST; WPI-AIMR, Tohoku Univ.; Grad. Sch. Sci., Tohoku Univ.) ○MATSUNO, Taisuke; SATO, Sota; YOKOYAMA, Atsutoshi; KAMATA, Sho; ISOBE, Hiroyuki
- 11:50–12:10 **4F9-18*** Synthesis of π -Electronic Anions That Form Ion-Pairing Assemblies (Coll. Life Sci., Ritsumeikan Univ.) ○SASANO, Yoshifumi; MAEDA, Hiromitsu
- 13:30–13:50 **4F9-28*** Different Metal Centers Effectiveness on the Supramolecular Structures of Porphyrins on Surface of Single Walled Carbon Nanotubes (SWNTs) (Grad. Sch. Sci., Osaka Univ.) ○I. A. ABD EL-MAGEED, Ahmed; OGAWA, Takuji

[07B. Physical Organic Chemistry -Reaction Mechanism-]

There are no presentations in English.

[08A. Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds]

Room E3 (Fourth Building Independence Wing, [Dokuritsu-kan], D304)

March 17th (Fri)

- 14:50–15:10 **2E3-36*** Generation of Imidoyl Radicals from Imidoylsilanes by means of Photo-Induced Single Electron Transfer Reaction and Their Coupling Reaction with Unsaturated Carbonyls (Fac. Sci., Gakushuin Univ.; Sch. Sci., Tokyo Tech.) ○OHYAMA, Tomoya; ONO, Hideyuki; ISHIDA, Kento; IWASAWA, Nobuharu; KUSAMA, Hiroyuki
- 15:30–15:50 **2E3-40*** Photoredox Catalysis Based on C-C Bond Cleavage of 4-Alkyl-1,4-dihydropyridines (Grad. Sch. Eng., The Univ. of Tokyo) ○NAKAJIMA, Kazunari; NOJIMA, Sunao; SAKATA, Ken; NISHIBAYASHI, Yoshiaki

Room E5 (Fourth Building Independence Wing, [Dokuritsu-kan], D307)

March 16th (Thu)

- 09:40–09:50 **1E5-05** Mechanistic Aspect of Photoinduced α -Oxyamination of Aldehydes Catalyzed by Flavin-Amine Integrated Molecules (Fac. Sci. Technol., Tokushima Univ.) ○TAGAMI, Takuma; ARAKAWA, Yukihiro; MINAGAWA, Keiji; IMADA, Yasushi

- 10:00–10:20 **1E5-07*** Highly selective activation of glycidol and catalytic transesterification using quaternary ammonium salts (IRC3, AIST) ○TANAKA, Shinji; KON, Yoshihiro; TAMURA, Masanori; SATO, Kazuhiko
- 10:20–10:30 **1E5-09** Asymmetric Cycloetherification of 1,3-Diols Using Bifunctional Organocatalysts (Grad. Sch. Eng., Kyoto Univ.) ○FUJII, Yuki; ASANO, Keisuke; MATSUBARA, Seijiro
- 10:40–11:00 **1E5-11*** Construction of Axial Chirality via Selective Halogenation Using Bifunctional Organocatalysts (Grad. Sch. Eng., Kyoto Univ.) ○MIYAJI, Ryota; ASANO, Keisuke; MATSUBARA, Seijiro
- 14:10–14:30 **1E5-32*** Enantioselective Steglich rearrangement of benzofuranone derivatives with highly active chiral nucleophilic catalysts (Grad. Sch. Nat. Sci. Technol., Okayama Univ.) ○FUJII, Kazuki; MANDAI, Hiroki; SUGA, Seiji
- 17:20–17:40 **1E5-51*** Photoexcited Ketone Catalyzed C–H Imidation of Arenes (WPI-ITbM, Nagoya Univ.; Grad. Sch. Eng., Nagoya Univ.; CREST, JST) ○OHTANI, Tsuyoshi; CHANDRA, Bhushan Tripathi; MICHEL, Thomas Corbett; OOI, Takashi
- 18:20–18:40 **1E5-57*** Dynamic Kinetic Resolution of *N*-Unprotected Amino Esters (WPI-ITbM, Nagoya Univ.; Grad. Sch. Eng., Nagoya Univ.; CREST, JST) ○NAGATO, Yuya; OHMATSU, Kohsuke; OOI, Takashi

March 17th (Fri)

- 09:10–09:30 **2E5-02*** Development and Theoretical Analysis of Catalytic Asymmetric Glycolate Aldol Reaction via Intramolecular Acyl Migration Process (WPI-ITbM, Nagoya Univ.; Grad. Sch. Eng., Nagoya Univ.; CREST, JST) ○YAMADA, Kohei; SATO, Makoto; URAGUCHI, Daisuke; OOI, Takashi
- 10:10–10:30 **2E5-08*** Boron Tribromide-Assisted Chiral Phosphoric Acid Catalysts for Enantioselective [4 + 2] and [2 + 2] Cycloaddition Reactions (Grad. Sch. Eng., Nagoya Univ.) ○GOTO, Yuta; HATANO, Manabu; ISHIHARA, Kazuaki
- 10:40–11:00 **2E5-11*** Chiral Nucleophilic Amidophosphate-Catalyzed Enantioselective Iodocyclization (Grad. Sch. Eng., Nagoya Univ.) ○LU, Yanhui; NAKATSUJI, Hideo; OKUMURA, Yukimasa; ISHIHARA, Kazuaki
- 11:20–11:40 **2E5-15*** Chiral Binaphthylsulfonate Cluster Catalysts for Enantioselective Addition-Cyclization Cascade Reaction of Styrenes with Aldimines (Grad. Sch. Eng., Nagoya Univ.) ○NISHIKAWA, Keisuke; HATANO, Manabu; ISHIHARA, Kazuaki
- 15:40–16:00 **2E5-41*** IBS-Catalyzed Site-selective Oxidation of Phenols to 1,2-Quinols (Grad. Sch. Eng., Nagoya Univ.) ○MUTSUGA, Tatsuya; UYANIK, Muhammet; ISHIHARA, Kazuaki
- 17:10–17:30 **2E5-50*** Enantioselective Williamson ether synthesis by chiral ammonium borate co-catalysis (Dep. Chem., Sch. Sci., Kyoto Univ.) ○PAWLICZEK, Martin; HASHIMOTO, Takuya; MARUOKA, Keiji

March 18th (Sat)

- 09:20–09:40 **3E5-03*** Ritter-Type Amination of C-H Bonds at Tertiary Carbon Centers Using Iodic Acid as an Oxidant (Grad. Sch. Eng., Osaka Univ.) ○KIYOKAWA, Kensuke; TAKEMOTO, Kenta; MINAKATA, Satoshi
- 10:30–11:00 **3E5-10 CSJ Award for Young Chemists** Development of Selective Oxidation Reactions Using Designer Iodine Catalysts (Grad. Sch. Eng., Nagoya Univ.) ○UYANIK, Muhammet
- 16:30–16:50 **3E5-46*** Development of perfluoroalkylation of unactivated alkenes by using perfluoro acid anhydrides (RIKEN CSRS) ○KAWAMURA, Shintaro; SODEOKA, Mikiko
- 17:50–18:10 **3E5-54*** Electrophilic Cyanation of Boron Enolates (Grad. Sch. Eng., Osaka Univ.) ○NAGATA, Takaya; KIYOKAWA, Kensuke; MINAKATA, Satoshi

March 19th (Sun)

- 13:10–13:30 **4E5-26*** Desymmetrization of Diolefinic Amides via Catalytic Enantioselective Bromocyclization (Univ. of Shizuoka; Grad. Sch. Sci., Rikkyo Univ.) ○KAWATO, Yuji; NAGAO, Yoshihiro; HISANAGA, Tatsunari; EGAMI, Hiromichi; KAMEI, Yuto; YAMANAKA, Masahiro; HAMASHIMA, Yoshitaka
- 14:10–14:30 **4E5-32*** Small and forgotten diazoalkanes (RWTH Aachen University, Institute of Organic Chemistry) ○KOENIGS, Rene M.
- 15:10–15:20 **4E5-38** Development of highly active Ru catalysts toward practical hydrogenation of carboxylic acids (Grad. Sch. Sci., Nagoya Univ.) ○YOSHIOKA, Shota; NARUTO, Masayuki; NOYORI, Ryoji; SAITO, Susumu
- 15:20–15:40 **4E5-39*** Catalytic transformation of functionalized carboxylic acids using multifunctional rhenium complexes (Grad. Sch. Sci., Nagoya Univ.) ○NARUTO, Masayuki; AGRAWAL, Santosh; TODA, Katsuaki; NOYORI, Ryoji; SAITO, Susumu
- 16:40–17:00 **4E5-47*** Theoretical Studies on Conformations of Symmetric Diesters (Grad. Sch. of Eng., Muroan Inst. of Tech.) ○NIWAYAMA, Satomi; MATSUSHIMA, Shota; KATO, Mai

Room E6 (Fourth Building Independence Wing, [Dokuritsu-kan], D308)

March 16th (Thu)

- 09:40–10:00 **1E6-05*** Development of a Novel Synthetic Method for α -Amino Acid Derivatives using Functionalized *N*-Acylimines (Sch. Env. Sci. Eng., KUT) ○ASAHARA, Haruyasu; TANI, Shinki; UMEZU, Kazuto; NISHIWAKI, Nagatoshi
- 10:40–10:50 **1E6-11** Strong Base-catalyzed Mannich-type Reactions of Simple Amides and Related Compounds (Grad. Sch. Sci., The Univ. of Tokyo) ○RAMAMURTHY, Nagarajaprakash; YAMASHITA, Yasuhiro; KOBAYASHI, Shu
- 11:20–11:40 **1E6-15*** Enantioselective Total Synthesis of Beraprost (Grad. Sch. Sci., Tohoku Univ.) UMEMIYA, Shigenobu; ○SAKAMOTO, Daisuke; HAYASHI, Yujiro

- 11:40–11:50 **1E6-17** Synthetic Study of Latanoprost (Grad. Sch. Sci., Tohoku Univ.) ○KAWAUCHI, Genki; UMEMIYA, Shigenobu; HAYASHI, Yujiro
- 13:50–14:00 **1E6-30** Synthesis of Multi-substituted 1,4-Benzoxazine Using Umpolung Reaction with 2-Oxo-1,4-benzoxazine-3-carboxylates (Grad. Sch. Eng., Mie Univ.) ○TANAKA, Takanori; MIZOTA, Isao; SHIMIZU, Makoto
- 15:20–15:40 **1E6-39*** Chiral Macrocyclic Lithium Binaphtholate Catalysts for Enantioselective Alkynyl Addition to Ketones (Grad. Sch. Eng., Nagoya Univ.) ○YAMASHITA, Kenji; OOI, Naoki; HATANO, Manabu; ISHIHARA, Kazuaki
- 15:50–16:00 **1E6-42** Chiral π -Cu(II) Complex-Catalyzed Enantioselective [1,3] Rearrangement of Allylnaphthyl Ethers (Grad. Sch. Eng., Nagoya Univ.) ○YAO, Lu; ISHIHARA, Kazuaki
- 18:20–18:30 **1E6-57** Stereoselective Synthesis of Z-Ketimine and Their Application to Asymmetric Reactions (Fac. Sci., Kyoto Univ.) ○HOMMA, Chihiro; KANO, Taichi; MARUOKA, Keiji

March 17th (Fri)

- 09:00–09:10 **2E6-01** Umpolung Reaction of *N*-Silyl- α -Imino Ester (Grad. Sch. Eng., Mie Univ.) ○TADANO, Yurie; MIZOTA, Isao; SHIMIZU, Makoto
- 09:30–09:50 **2E6-04*** Achiral Crystal Surface Acts as an Origin of Chirality in Conjunction with Asymmetric Autocatalysis (Grad. Sch. Chem. Sci. Technol., TUS) ○KAIMORI, Yoshiyasu; MATSUMOTO, Arimasa; SOAI, Kenso
- 10:20–10:40 **2E6-09*** Highly Efficient Sequential *N,N,C*-Trialkylation of α -*N*-Acloxyimino ester (Grad. Sch. Eng., Mie Univ.) ○MIZOTA, Isao; KAWANISHI, Mami; SHIMIZU, Makoto
- 10:50–11:00 **2E6-12** Two-step Syntheses of Fluorescent Enynes Using 1-Phosphorylpropyne as Starting Compound (Fac. of Eng., Okayama Univ. of Sci.; Hunan Univ. Sci. Tech.) ○ORITA, Akihiro; SHINOHARA, Kenta; NISHIDA, Takanori; PENG, Lifan
- 15:10–15:30 **2E6-38*** Ligand-Free Copper Catalyzed Direct Carboxylation of Arylsilanes with Carbon Dioxide (Grad. Sch. Sci., The Univ. of Tokyo) ○NGUYEN, Thanh Vu Quang; YOO, Woo-jin; KOBAYASHI, Shu
- 15:50–16:10 **2E6-42*** Construction of Tetrasubstituted Carbon Stereocenters via Direct Catalytic Nucleophilic Addition to Ketimines (Grad. Sch. Pharm., Kyushu Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) ○MORIMOTO, Hiroyuki; MORISAKI, Kazuhiro; SAWA, Masanao; YONESAKI, Ryohei; KONDO, Yuta; MASHIMA, Kazushi; OHSHIMA, Takashi
- 16:20–16:40 **2E6-45*** Catalytic Addition Reactions of Weakly Acidic Compounds Based on Design of Product Bases (Grad. Sch. Sci., The Univ. of Tokyo) ○YAMASHITA, Yasuhiro; KOBAYASHI, Shu

March 18th (Sat)

- 09:10–09:20 **3E6-02** 4-hydroxydiphenylprolinol as an active catalyst in asymmetric aldol reaction (Sch. Sci., Tohoku Univ.) ○UMEKUBO, Nariyoshi; TAKAHASHI, Kazuki; IWASAKI, Kotaro; CHIBA, Hiroaki; HAYASHI, Yujiro
- 09:20–09:40 **3E6-03*** Asymmetric Mannich reaction using bifunctional electron-deficient iodobenzene/*tert*-amine combined catalyst (Grad. Sch. Sci., Chiba Univ.) ○KUWANO, Satoru; SUZUKI, Takumi; ARAI, Takayoshi
- 10:20–10:30 **3E6-09** anti-Bredt molecule synthesis via carbon-carbon bond activation (Dept of Chem., The Univ. of Chicago) ○TSUKAMOTO, Tatsuhiko; KO, Haye Min; DONG, Guangbin
- 10:50–11:00 **3E6-12** Asymmetric Synthesis of 1,3-*syn*-Diols via Construction of Six-Membered Acetals Using Chiral Phosphoric Acid Catalysts (Grad. Sch. Eng., Kyoto Univ.) ○MATSUMOTO, Akira; ASANO, Keisuke; MATSUBARA, Seiji
- 15:50–16:10 **3E6-42*** Development of Formal Asymmetric Ireland-Claisen Rearrangements by Hybrid Boron-Transition Metal Catalysis (Grad. Sch. Pharm., The Univ. of Tokyo) ○MORITA, Yuya; FUJITA, Taiki; YAMAMOTO, Tomohiro; SHIMIZU, Yohei; KANAI, Motomu
- 17:40–18:00 **3E6-53*** Chemoselective Catalytic Conjugate Addition of Hydroxy Group over Amino Group (Grad. Sch. Pharm., Kyushu Univ.) ○LI, Zhao; UESUGI, Shuhei; TAMURA, Masamichi; YAZAKI, Ryo; OHSHIMA, Takashi
- 18:00–18:10 **3E6-55** Asymmetric construction of a steroidal structure using diphenylprolinol silyl ether mediated asymmetric Michael reaction (Grad. Sch. Sci., Tohoku Univ.) ○KOSHINO, Seitaro; HAYASHI, Yujiro
- 18:10–18:20 **3E6-56** The asymmetric construction of 1,3-dimethyl unit via successive Michael reaction of nitroalkane catalyzed by diphenylprolinol silyl ether (Grad. Sch. Sci., Tohoku Univ.) ○TODA, Shunsuke; HAYASHI, Yujiro
- 18:20–18:30 **3E6-57** PyBidine-Metal-Catalyzed Michael Reaction using Nitroalkenes (Fac. Sci., Chiba Univ.) ○MA, Junma; SHIRASUGI, Mayu; ARAI, Takayoshi
- 18:30–18:40 **3E6-58** Catalytic Diastereoselective Direct Michael Addition of α -Alkoxyketones to Enones by Samarium/Tin Cooperative Catalysis (Grad. Sch. Eng., Osaka Univ.) ○ESUMI, Naoto; NISHIMOTO, Yoshihiro; YASUDA, Makoto

March 19th (Sun)

- 10:10–10:20 **4E6-08** Novel Boronic Acid-catalyzed Dehydrate Condensation Reaction to Amides: The Access to Dipeptides (Grad. Sch. Eng., Nagoya Univ.) ○WANG, Ke; LU, Yanhui; ISHIHARA, Kazuaki
- 12:40–13:00 **4E6-23*** Enantioselective Aza-Friedel-Crafts Reaction with Imines Catalyzed by Chiral Bis(phosphoric acid)s and Chiral Pyrophosphoric Acids (Grad. Sch. Eng., Nagoya Univ.) ○OKAMOTO, Haruka; HATANO, Manabu; ISHIHARA, Kazuaki
- 14:10–14:20 **4E6-32** Lewis Acid-Assisted Dirhodium(II) Catalyzed Ketone Hydroacylation (Grad. Sch. Sci., The Univ. of Tokyo) ○YASUKAWA, Tomohiro; KOBAYASHI, Shu

- 14:20–14:40 **4E6-33*** Multiselective Diels-Alder Reaction Induced by Chiral Supramolecular Lewis Acid Catalysts (Grad. Sch. Eng., Nagoya Univ.) ○SAKAMOTO, Tatsuhiro; HATANO, Manabu; ISHIHARA, Kazuaki
- 16:00–16:20 **4E6-43*** Photocatalytic N-Methylation of Amino Acids with Methanol (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.) ○MORIOKA, Yuna; NOYORI, Ryoji; SAITO, Susumu; NAKA, Hiroshi
- 16:20–16:40 **4E6-45*** N-Alkylation of Amines with Alcohols Using Mixed Photocatalytic System (Grad. Sch. Sci., Nagoya Univ.; RCMS, Nagoya Univ.) ○WANG, Lyuming; MORIOKA, Yuna; NOYORI, Ryoji; SAITO, Susumu; NAKA, Hiroshi
- 16:40–17:00 **4E6-47*** Photocatalytic transfer hydrogenolysis of allylic alcohols for production of platform and fine chemicals using palladium-loaded titanium oxide (Grad. Sch. Sci., Nagoya Univ.) ○TAKADA, Yuki; CANER, Joaquin; NAKA, Hiroshi; NOYORI, Ryoji; SAITO, Susumu

[08B. Organic Chemistry -Reaction and Synthesis- Aromatic Compounds]

Room F1 (Fourth Building Independence Wing, [Dokuritsu-kan], D403)

March 16th (Thu)

- 16:10–16:30 **1F1-44*** *tert*-Butoxy Radical-Promoted α -Arylation of Alkylamines and Alcohols with Aryl Halides (Dep. Chem., Sch. Sci., Kyoto Univ.) ○UENO, Ryota; SHIMIZU, Takashi; SHIRAKAWA, Eiji
- 16:50–17:10 **1F1-48*** Electron-catalyzed coupling reaction of aryl halides with organozinc reagents (Dep. Chem., Sch. Sci., Kyoto Univ.; Sch. Sci. Tech., Kwansei Gakuin Univ.) ○OKURA, Keisho; SHIRAKAWA, Eiji

March 17th (Fri)

- 12:00–12:10 **2F1-19** Synthetic Study of High-Ordered Iptycene Derivatives Using Isobenzofuran as a Reactive Platform (Sch. Sci. Tech., Kwansei Gakuin Univ.) ○JUNG, Sunna; HAMURA, Toshiyuki
- 14:10–14:20 **2F1-32** Importance of a Fluorine Substituent for the Preparation of meta- and *para*-Pentafluorosulfanyl-Substituted Pyridines (Department of Nanopharmaceutical Sciences) KOSOBOKOV, Mikhail; ○CUI, Benqiang; MATSUZAKI, Kohei; TOKUNAGA, Etsuko; SHIBATA, Norio
- 15:00–15:20 **2F1-37*** Programmed Synthesis of Multiply Arylated Aromatics (Sch. Advanced Sci. Eng., Waseda Univ.; Grad. Sch. Sci., Nagoya Univ.) ○SUZUKI, Shin; ITAMI, Kenichiro; YAMAGUCHI, Junichiro
- 15:20–15:40 **2F1-39*** Polyaniline-induced arylation with arenediazonium salts derived from arylamines (Grad. Sch. Eng., Osaka Univ.) ○HATA, Dai; MORIUCHI, Toshiyuki; HIRAO, Toshikazu; AMAYA, Toru
- 15:50–16:10 **2F1-42*** An Efficient Synthesis of Substituted Pentacenes via Successive Cycloadditions of Isobenzofurans and Its Application to Organic Field Effect Transistors (Sch. Sci. Tech., Kwansei Gakuin Univ.) ○EDA, Shohei; HAMURA, Toshiyuki
- 16:10–16:30 **2F1-44*** Cp*Co(III)-catalyzed C-H Bond Functionalization Reactions (Grad. Sch. Pharm., Hokkaido Univ.) ○YOSHINO, Tatsuhiko; BUNNO, Youka; TANAKA, Ryo; IKEMOTO, Hideya; SUZUKI, Yudai; SUN, Bo; SAKATA, Ken; KANAI, Motomu; MATSUNAGA, Shigeki

March 18th (Sat)

- 09:10–09:20 **3F1-02** Synthesis of chlorophyll-*a* derivatives possessing the 3²-carboxy and 17²-carbamoyl groups as candidates of DSSC's photosensitizers (Grad. Sch. Life Sci., Ritsumeikan Univ.) ○CUI, Yuxiao; OGASAWARA, Shin; TAMIYAKI, Hitoshi
- 09:40–09:50 **3F1-05** A facile synthesis of novel expanded porphyrinoids: BisNi(II) complexes of dicyanovinylene-di(meso-aryl)dipyrromethene (Sch. Eng., Nagoya Univ.) ○FAIALAGA, Nathan; ITO, Satoru; SHINOKUBO, Hiroshi; SHIN, Jiyoung
- 10:30–10:50 **3F1-10*** Synthesis, aggregation, anisotropic self-assembly, and control of dynamic properties of optically active ethynylhelicene oligomers (Grad. Sch. Pharm. Sci., Tohoku Univ.) ○SAITO, Nozomi; YAMAGUCHI, Masahiko
- 11:00–11:10 **3F1-13** Optical resolution of helical quinone derivatives through diastereomeric process (Grad. Sch. Eng., Utsunomiya Univ.) ○SHAHABUDDIN, Mohammad; KIMURA, Takao; KARIKOMI, Michinori

[08C. Organic Chemistry -Reaction and Synthesis- Heterocyclic Compounds]

Room F2 (Fourth Building Independence Wing, [Dokuritsu-kan], D406)

March 16th (Thu)

- 11:30–11:40 **1F2-16** Development of Novel Spiro-type Chiral Ligands Bearing Pyrazole Donors (ISIR, Osaka Univ.) ○SHIGENOBU, Masashi; TAKENAKA, Kazuhiro; SASAI, Hiroaki
- 12:10–12:30 **1F2-20*** A Novel Self-Replicating Reaction For Phthalocyanine Syntheses (RIKEN CEMS; Grad. Sch. Eng., The Univ. of Tokyo) ○IMAYOSHI, Ayumi; CHEN, Zhen; MIYAJIMA, Daigo; AIDA, Takuzo
- 15:40–15:50 **1F2-41** Synthetic Study of sorazolone E2 Using Chiral Vanadium Catalyst (ISIR, Osaka Univ.) ○ICHINOSE, Kazuya; SAKO, Makoto; TAKIZAWA, Shinobu; SASAI, Hiroaki
- 16:00–16:10 **1F2-43** Synthetic Study of Eleuthoside A; Application of Rh-Catalysed Intramolecular Cyclization Of Diazonaphthoquinone (Applied chemistry; Dept. Pharm. Org. Chem., Fac. Pharm., Mans. Univ. Egypt) ○OTHMAN, Dina I. A.; OHTSUKA, Kota; SELIM, Khalid B.; EL SAYED, Magda A.; TANTAWY, Atif. S.; OKAUCHI, Tatsuo; KITAMURA, Mitsuru

- 16:10–16:20 **1F2-44** Enantioselective Synthesis of γ -Lactams via Palladium-Catalyzed Carbonylation of Homoallylic Amine Derivatives (Grad. Sch. Nat. Sci. Technol., Kanazawa Univ.) ○PHAN, Nga Hang Thi; SUGA, Takuya; SOETA, Takahiro; UKAJI, Yutaka
- 16:20–16:30 **1F2-45** Enantioselective Diels-Alder Reaction Using Chiral Holmium Complex, and the Construction of Nitrogen-Containing Polycyclic Skeleton (Grad. Sch. Pharm. Sci., Chiba Univ.; Mol. Chir. Res. Cen., Chiba Univ.) ○NAKASHIMA, Saki; YAMADA, Wataru; MORIKAWA, Takahiro; HARADA, Shinji; NISHIDA, Atsushi
- 16:30–16:40 **1F2-46** Facile synthesis of spirooxindoles via an enantioselective organocatalyzed sequential reaction of oxindole derivatives with ynones (ISIR, Osaka Univ.) ○KUSABA, Miki; KISHI, Kenta; TAKIZAWA, Shinobu; JIANFEI, Bai; SASAI, Hiroaki
- 16:40–16:50 **1F2-47** Enantioselective Synthesis of Bicyclic Pyrrolidine Derivatives via Sequential Organo- and Pd-Catalysis (ISIR, Osaka Univ.) ○MOHON CHAKI, Bijan; BAI, Jianfei; TAKENAKA, Kazuhiro; TAKIZAWA, Shinobu; SASAI, Hiroaki
- 17:10–17:30 **1F2-50** Catalytic and Enantioselective Nazarov Cyclization through a Chiral Dinuclear Nickel Complex (Grad. Sch. Pharm. Sci., Chiba Univ.; Mol. Chir. Res. Cen., Chiba Univ.) ○HARADA, Shinji; TAKEDA, Takuya; NISHIDA, Atsushi

March 17th (Fri)

- 14:10–14:30 **2F2-32*** Generation of 4-Isoxazolyl Anion Species and Its application for Synthesis of Multifunctionalized Isoxazoles (Lab. Chem. Life Sci., Tokyo Tech.) ○MORITA, Taiki; FUSE, Shinichiro; NAKAMURA, Hiroyuki
- 16:20–16:40 **2F2-45*** Phosphine-catalyzed umpolung tandem Michael addition of alkynyl ester (ISIR, Osaka Univ.) ○KISHI, Kenta; TAKIZAWA, Shinobu; KUSABA, Miki; SASAI, Hiroaki
- 16:40–16:50 **2F2-47** Strategic Utilization of N-Phosphine Oxide-Substituted Imidazolylidenes for Transformation of Carbonyl Compounds (Grad. Sch. Eng., Osaka Univ.) ○HAZRA, Sunit; HOSHIMOTO, Yoichi; ASADA, Takahiro; OHASHI, Masato; OGOSHI, Sensuke

March 18th (Sat)

- 11:20–11:40 **3F2-15*** Direct Amino-halogenation and Aziridination of the 2-Quinolone Framework (Sch. Env. Sci. Eng., KUT) ○HAO, Feiyue; ASAHARA, Haruyasu; NISHIWAKI, Nagatoshi
- 14:30–14:40 **3F2-34** Synthesis of Furan Derivatives Including exo- and endo-Double Bond Using Mn(III)-Based Oxidative Cyclization (Dept. Chem., Grad. Sch. Sci. & Tech., Kumamoto Univ.) ○HUYNH, Thanh-truc; NISHINO, Hiroshi; NGUYEN, Van-ha
- 14:40–15:00 **3F2-35** Practical Synthetic Approach to Oxa-helicenes based on Intramolecular Iodoarylation of Linked Alkyne-Heterole Systems (Grad. Sch. Sci. & Tech., Kumamoto Univ.) ○FURUSAWA, Masaki; MORI, Takaaki; ARAE, Sachie; IGAWA, Kazunobu; TOMOOKA, Katsuhiko; IRIE, Ryo
- 16:00–16:20 **3F2-43*** Preparation and Transformations of 1-Allyloxy-2-ethynylbenzene Derivatives for Synthesis of Oxygen-containing Heterocyclic Compounds (Grad. Sch. Eng., Chiba Univ.) ○WATANABE, Kohei; MINO, Takashi; YOSHIDA, Yasushi; SAKAMOTO, Masami

[08D. Organic Chemistry -Reaction and Synthesis- Heteroatom Compounds]

Room E8 (Fourth Building Independence Wing, [Dokuritsu-kan], D310)

March 16th (Thu)

- 13:50–14:10 **1E8-30*** Synthesis, Structure, and Reactivity toward Burgess Reagent of Amidinopyrroles and Amidinoimidazoles (Sch. Sci., Kitasato Univ.) KUROTAKE, Takanori; SAWAMURA, Yukihiko; KIKUCHI, Yuichi; ABE, Shinya; ○UCHIYAMA, Yosuke; RUNYON, Jason; DOLPHIN, Joshua; SCHINNEN, Christoph; ARDUENGO, Anthony

March 17th (Fri)

- 10:30–10:40 **2E8-10** Synthesis of Triflones by Electrophilic Trifluoromethylthiolation Reagents (Fac. Eng. Nagoya Inst. of Tech.) ○JIA, Shichong; HUANG, Zhongyan; TOKUNAGA, Etsuko; SUMII, Yuji; SHIBATA, Norio
- 15:20–15:30 **2E8-39** Metal-free reductive deoxygenation of sulfoxides by organosilicon reducing reagent (Grad. Sch. Eng. Sci., Osaka Univ.) ○BHATTACHARJEE, Argha; YURINO, Taiga; TSURUGI, Hayato; MASHIMA, Kazushi

March 18th (Sat)

- 09:50–10:00 **3E8-06** Building a seleno-sugar skeleton from water-soluble 5-membered cyclic selenide DHS (Sch. Sci., Tokai Univ.) ○HIYOSHI, Yuta; IWAOKA, Michio
- 10:30–10:40 **3E8-10** Reactions of a Phosphoranide-Trihydroborate with Iodo-Substituted Aliphatic Hydrocarbons (Grad. Sch. Sci., The Univ. of Tokyo) ○O'BRIEN, Nathan; KANO, Naokazu
- 11:20–11:40 **3E8-15*** Salt-free Generation of Silyl Enol Ethers from α -Halocarbonyl Derivatives by Organosilicon Reducing Agents for Synthesizing α -Functionalized Carbonyl Derivatives (Grad. Sch. Eng. Sci., Osaka Univ.) ○REJ, Supriya; PRAMANIK, Suman; TSURUGI, Hayato; MASHIMA, Kazushi
- 11:40–12:00 **3E8-17** Development of Novel LASC-SWNT Catalysts and Their Applications Toward Asymmetric Reactions in Water. (Grad. Sch. Sci., The Univ. of Tokyo) ○XU, Pengyu; KITANOSONO, Taku; KOBAYASHI, Shu
- 12:00–12:10 **3E8-19** Oxidation of active methylene compounds in water (Grad. Sch. Sci., The Univ. of Tokyo) ○KITANOSONO, Taku; KOBAYASHI, Shu

- 14:10–14:30 **3E8-32*** One pot synthesis of dendritic hyperbranched polymers by using vinyl tellurides (ICR, Kyoto Univ.) ○LU, Yangtian; YAMAGO, Shigeru
- 14:40–15:00 **3E8-35*** Cyclootrimerization of Arylacetylenes Using a Germanium Catalyst and the Reaction Mechanism (ICR, Kyoto Univ.; FIFC, Kyoto Univ.) ○SUGAHARA, Tomohiro; SASAMORI, Takahiro; GUO, Jing-dong; NAGASE, Shigeru; TOKITOH, Norihiro
- 15:00–15:20 **3E8-37*** Structure and Property of a Bis(ferrocenyl)germylene (ICR, Kyoto Univ.; FIFC, Kyoto Univ.) ○SUZUKI, Yuko; SASAMORI, Takahiro; GUO, Jing-dong; NAGASE, Shigeru; TOKITOH, Norihiro
- 15:20–15:40 **3E8-39*** Synthesis and Behaviors of a Novel Low Coordinate Boron Compound and Diboranes with Bulky Amino Groups (Grad. Sch. Sci., Hiroshima Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) ○MORISAKO, Shogo; SHANG, Rong; YAMAMOTO, Yohsuke; MATSUI, Hiroshi; NAKANO, Masayoshi
- 15:50–16:10 **3E8-42*** Synthesis and Reaction of Ferrocenylstannylenes (ICR, Kyoto Univ.) ○MAJHI, Paresh; SASAMORI, Takahiro; TOKITOH, Norihiro
- 16:10–16:30 **3E8-44*** Synthesis and Reaction of Reactive Silicon Species Bearing Triptycylmethyl Framework (Coll. Sci., Rikkyo Univ.) ○YUKIMOTO, Mariko; MINOURA, Mao

[08E. Organic Chemistry -Reaction and Synthesis- Organometallic Compounds]

Room D3 (Fourth Building Independence Wing, [Dokuritsu-kan], D201)

March 16th (Thu)

- 09:00–09:10 **1D3-01** Enantioselective aza-Wacker Reaction Promoted by Pd-SPRIX. (Grad. Sch. Sci., Osaka Univ.) ○SEN, Abhijit; TAKENAKA, Kazuhiro; SASAI, Hiroaki
- 09:10–09:20 **1D3-02** Pd(II)-SPRIX Catalyzed Enantioselective Annulation of Alkenylindoles: Allyl Group Assisted Construction of Quaternary Carbon Center (ISIR, Osaka Univ.) ○ABOZEID, Mohamed Ahmed; TAKIZAWA, Shinobu; TAKENAKA, Kazuhiro; SASAI, Hiroaki
- 09:20–09:30 **1D3-03** The Suzuki-Miyaura Coupling of Nitroarenes (Grad. Sch. Eng., Kyoto Univ.) ○RAMU YADAV, Muntha; NAKAO, Yoshiaki
- 09:30–09:40 **1D3-04** Mechanistic Studies on the Suzuki-Miyaura Coupling of Nitroarenes (Grad. Sch. Eng., Kyoto Univ.) ○NAGAOKA, Masahiro; RAMU YADAV, Muntha; NAKAO, Yoshiaki
- 10:40–11:00 **1D3-11*** Direct Amination of Allyl Alcohol and Benzyl Alcohol Promoted by Pd/Phosphine-Borane Catalyst System (Grad. Sch. Eng., Nagasaki Univ.) ○HIRATA, Goki; KUMAGAE, Hidenobu; ONODERA, Gen; KIMURA, Masanari
- 11:20–11:40 **1D3-15*** Palladium-Catalyzed Synthesis of Thiophene Derivatives via the Cleavage of Carbon-Sulfur Bonds in Aryl Sulfides (Grad. Sch. Eng., Osaka Univ.) TOBISU, Mamoru; ○MASUYA, Yoshihiro; CHATANI, Naoto
- 11:40–12:00 **1D3-17*** Pd-Catalyzed Synthesis of Cyclic Diarylborinic Acids Using a Dihydroaminoborane Reagent and its Application to the Construction of π -Extended Heteroarenes (Grad. Sch. Eng., Osaka Univ.) TOBISU, Mamoru; ○IGARASHI, Takuya; CHATANI, Naoto
- 14:40–15:10 **1D3-35 CSJ Award for Young Chemists** Development of Novel Chain-Growth Polymerizations Based on Retrosynthetic Strategy (Grad. Sch. Eng., The Univ. of Tokyo) ○ITO, Shingo
- 15:10–15:30 **1D3-38*** Regio- and Stereoselective Halothiolation of Alkynes Catalyzed by Palladium or Iron (Grad. Sch. Nat. Sci. Technol., Okayama Univ.; RIIS, Okayama Univ.; Dept. Chem., Aichi Univ. of Educ.) ○IWASAKI, Masayuki; FUJII, Tomoya; MICHIHIRO, Nozomi; YAMAMOTO, Arisa; NAKAJIMA, Kiyohiko; NISHIHARA, Yasushi
- 17:00–17:20 **1D3-49*** Enantioselective Synthesis of C_3 -Symmetric [3]Cycloparaphenylenecyclopropanes (Grad. Sch. Eng., Kyoto Univ.) ○NAKAMURO, Takayuki; STEWART, Scott; MIURA, Tomoya; MURAKAMI, Masahiro

March 17th (Fri)

- 10:40–11:00 **2D3-11*** Electron-Deficient Rhodium(III) Complex-Catalyzed Oxidative sp^2 C-H Bond Alkenylation and Allylation (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.; Sch. Mater. & Chem. Tech., Tokyo Tech.) ○TAKAHAMA, Yuji; SHIBATA, Yu; TANAKA, Ken
- 11:20–12:20 **2D3-15 CSJ Award for Creative Works** Development of Rhodium-Catalyzed Asymmetric [2+2+2] Cycloaddition Reactions (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○TANAKA, Ken
- 14:10–14:20 **2D3-32** Palladium-Catalyzed Coupling of Aryl Bromides with 2,2-Diaryl-2-hydroxyacetates via C-C Bond Cleavage (Grad. Sch. Eng., Kyoto Univ.) ○LIAO, Wenqing; MASUDA, Yusuke; ISHIDA, Naoki; MURAKAMI, Masahiro
- 16:10–16:20 **2D3-44** α -Functionalization of Carbonyl Compounds Based on Palladium Enolate Umpolung (ISIR, Osaka Univ.) ○NOMOTO, Yuya; SAWADA, Kazuya; TAKENAKA, Kazuhiro; SASAI, Hiroaki

March 18th (Sat)

- 09:20–09:30 **3D3-03** Pd-Catalyzed Homo-benzannulation of 4-Bromothiazoles for Synthesis of Benzotrithiazoles (WPI-AIMR, Tohoku Univ.) ○XU, Zhanqiang; YAMAMOTO, Yoshinori; JIN, Tienan
- 10:10–10:30 **3D3-08*** Development of synthetic reactions for exo-bismethylene cycles via C-H bond activation by multiple bonds and palladium catalysts (Research and Development Initiative, Chuo Univ.) ○MINAMI, Yasunori; SAKAI, Megumi; HIYAMA, Tamejiro
- 10:50–11:10 **3D3-12*** Palladium-Catalyzed Enantioselective Side Chain C(α) Allylation of 2-Alkylazaarenes (Fac. Sci., Hokkaido Univ.) ○MURAKAMI, Ryo; IWAI, Tomohiro; SAWAMURA, Masaya

- 11:20–11:40 **3D3-15*** Palladium-Catalyzed Asymmetric Synthesis of Silicon-Stereogenic 5,10-Dihydrophenazasilines via Enantioselective 1,5-Palladium Migration (Grad. Sch. Eng., The Univ. of Tokyo) ○SATO, Yosuke; TAKAGI, Chihiro; SHINTANI, Ryo; NOZAKI, Kyoko
- 11:40–12:00 **3D3-17*** Synthesis of Planar Chiral Ferrocene Derivatives through Alkynoxy-Directed C–H Activation/Cyclization (Grad. Sch. Sci. Eng., Chuo Univ.) ○HARAGUCHI, Ryosuke; SUGITA, Kengo; HARADA, Masato; TOKORO, Yuichiro; MINAMI, Yasunori; FUKUZAWA, Shin-ichi; HIYAMA, Tamejiro

March 19th (Sun)

- 09:00–09:10 **4D3-01** Remarkable steric effect of carboxylic acid ligands on Pd-catalyzed carbon-hydrogen bond arylation reactions (Grad. Sch. Eng., Kyoto Univ.) ○TANJI, Yutaka; FUJIHARA, Tetsuaki; TERAO, Jun; TSUJI, Yasushi
- 10:40–10:50 **4D3-11** Palladium-Catalyzed Asymmetric Benzylic Substitution of Secondary Benzyl Carbonates with Nitrogen and Oxygen Nucleophiles (Grad. Sch. Eng., Osaka Univ.) ○NAJIB, Atifah; HIRANO, Koji; MIURA, Masahiro
- 11:30–11:40 **4D3-16** Catalytic Asymmetric Synthesis of C₂-Symmetric Axially Chiral Allenes by Palladium-Catalyzed Double-Nucleophilic Substitution on 3-Bromopenta-2,4-dienyl Esters (Grad. Sch. Sci. Tech., Tokushima Univ.; Grad. Sch. Life Sci., Hokkaido Univ.) ○CHEN, Yen-chou; OGASAWARA, Masamichi

Room D4 (Fourth Building Independence Wing, [Dokuritsu-kan], D202)

March 16th (Thu)

- 09:20–09:40 **1D4-03*** Photo-Induced Arylation of Benzylic C-H Bonds Catalyzed by Nickel (Grad. Sch. Eng., Kyoto Univ.) ○MASUDA, Yusuke; ISHIKAWA, Norikazu; SHIDA, Naoki; MURAKAMI, Masahiro
- 10:30–10:50 **1D4-10*** Enantioselective Desymmetrization Strategy by Oxidative Cyclization on Nickel: Expedient Access to Fused Tricyclic Scaffolds (Grad. Sch. Eng., Osaka Univ.) ○KUMAR, Ravindra; HOSHIMOTO, Yoichi; OHASHI, Masato; OGOSHI, Sensuke
- 11:30–11:40 **1D4-16** Nickel-Catalyzed Hydrogenolysis of Diarylamines with Hydrosilane (Grad. Sch. Eng., Kyoto Univ.) ○OHGI, Akito; ALASTAIR, Herron; YAMAMOTO, Shunya; NAKAO, Yoshiaki
- 11:50–12:00 **1D4-18** Ni-Catalyzed Reductive Coupling of Conjugated Diene and Carbon Dioxide (Grad. Sch. Eng., Nagasaki Univ.) ○LUO, Ying; MORI, Yasuyuki; ONODERA, Gen; KIMURA, Masanari
- 14:40–15:40 **1D4-35 CSJ Award for Creative Works** Studies on Selective Synthetic Organic Reactions Catalyzed by Iron (ICR, Kyoto Univ.) ○NAKAMURA, Masaharu
- 15:50–16:00 **1D4-42** Iron-Catalyzed Oxyalkylation of Styrenes Using Hypervalent Iodine Reagents (Grad. Sch. Pharm., The Univ. of Tokyo) ○WANG, Zijia; KANAI, Motomu; KUNINOBU, Yoichiro
- 17:00–17:10 **1D4-49** Iron-Catalyzed Synthesis of Indenones through Cyclization of Carboxamides with Alkynes (Grad. Sch. Sci., The Univ. of Tokyo) ○ILIES, Laurean; ARSLANOGLU, Yasin; MATSUBARA, Tatsuaki; NAKAMURA, Eiichi
- 17:10–17:20 **1D4-50** Coupling of Aromatic Carbonyl Compounds with Alkynes via Iron-Catalyzed C-H Activation (Grad. Sch. Sci., The Univ. of Tokyo) ○GO, Toki; SHANG, Rui; ILIES, Laurean; NAKAMURA, Eiichi
- 17:50–18:00 **1D4-54** Iron-Catalyzed Oxidative Cross-Coupling of Two sp² C-H Bonds (Fac. Sci., The Univ. of Tokyo) ○DOBA, Takahiro; MATSUBARA, Tatsuaki; ILIES, Laurean; NAKAMURA, Eiichi
- 18:30–18:40 **1D4-58** Development of Enantioselective Reactions Using Fe Catalysts (ISIR, Osaka Univ.) ○YONEYAMA, Shin; NIIDA, Yasuaki; TAKENAKA, Kazuhiro; TAKIZAWA, Shinobu; SASAI, Hiroaki

March 17th (Fri)

- 09:20–09:40 **2D4-03*** Cross-coupling of Aryl(trialkyl)silanes (Grad. Sch. Sci. Eng., Chuo Univ.) ○KOMIYAMA, Takeshi; MINAMI, Yasunori; HIYAMA, Tamejiro
- 10:30–10:50 **2D4-10*** Copper-Mediated Decarboxylative Coupling of Benzamides with Benzoic Acids via Directed C-H Cleavage (Grad. Sch. Eng., Osaka Univ.) ○TAKAMATSU, Kazutaka; HIRANO, Koji; MIURA, Masahiro
- 10:50–11:10 **2D4-12*** Copper-Catalyzed Enantioselective Borocarboxylation of Vinylarenes with Carbon Dioxide and Diboron (Organometallic Chemistry Laboratory, RIKEN) ○ZHANG, Liang; LUO, Yong; CHENG, Jianhua; CARRY, Beatrice; HOU, Zhaomin
- 11:20–11:40 **2D4-15*** Development of Iron-Catalyzed C–H Borylation of 2-Phenylpyridines and Their Analogues and Optical Properties of The Products (Grad. Sch. Pharm., The Univ. of Tokyo) ○YOSHIGOE, Yusuke; KUNINOBU, Yoichiro
- 11:40–12:00 **2D4-17*** Group VIII Metal-Mediated Amination of Unsaturated Carbon-Carbon Bonds Utilizing Oxime Esters (Grad. Sch. Eng., Kyoto Univ.) ○SHIMBAYASHI, Takuya; OKAMOTO, Kazuhiro; OHE, Kouichi
- 13:20–13:30 **2D4-27** Chemoselective N-Arylation of Diarylamines Catalyzed by Iron (ICR, Kyoto Univ.; Grad. Sch. Eng., Kyoto Univ.) ○AOKI, Yuma; TAKAYA, Hikaru; NAKAMURA, Masaharu
- 13:30–13:40 **2D4-28** One-Pot Synthesis of Dihydrophenazines by Iron-Catalyzed Tandem C-F Amination Reactions (Grad. Sch. Eng., Kyoto Univ.) ○AOKI, Yuma; O'BRIEN, Harry; TAKAYA, Hikaru; NAKAMURA, Masaharu
- 13:40–13:50 **2D4-29** Nickel-Mediated Decarbonylation of Aromatic Ketones through the Cleavage of a Carbon-Carbon Bond (Grad. Sch. Eng., Osaka Univ.) ○TOBISU, Mamoru; ○MORIOKA, Toshifumi; NISHIZAWA, Akihiro; CHATANI, Naoto

- 14:10–14:20 **2D4-32** Nickel-Catalyzed Alkene-Alkene-Silylene [2+2+1] Cycloaddition with Use of (Aminosilyl)boronic Esters as a Synthetic Equivalent of Silylene (Grad. Sch. Eng., Kyoto Univ.) OHMURA, Toshimichi; ○SASAKI, Ikuo; SUGINOME, Michinori
- 14:30–14:50 **2D4-34*** Ni(0)-Catalyzed Intramolecular Reductive Coupling of Carbonyl Compounds with Alkenes (Grad. Sch. Eng., Osaka Univ.) ○HAYASHI, Yukari; HOSHIMOTO, Yoichi; OHASHI, Masato; OGOSHI, Sensuke
- 14:50–15:10 **2D4-36*** Three-Component Coupling Reaction of Tetrafluoroethylene and Aldehydes with Hydrosilanes via Oxa-Nickelacycle (Grad. Sch. Eng., Osaka Univ.) ○SHIRATAKI, Hiroshi; KIKUSHIMA, Kotaro; OHASHI, Masato; OGOSHI, Sensuke
- 15:10–15:30 **2D4-38*** From Stoichiometry to Catalysis: Hydrocarboxylation of Ynamides with Nickel Complex Employing CO₂ (Grad. Sch. Pharm., Hokkaido Univ.) ○ABDULLAH, Iman; DOI, Ryohei; SAITO, Nozomi; SATO, Yoshihiro
- 15:40–16:00 **2D4-41*** A Phosphine Cross-Linked Method for Producing Highly Active Heterogeneous Transition Metal Catalysts (Fac. Sci., Hokkaido Univ.) ○IWAI, Tomohiro; HARADA, Tomoya; SHIMADA, Hajime; ASANO, Kiichi; ZHANG, Deliang; CHIBA, Shigenori; SAWAMURA, Masaya
- 16:00–16:20 **2D4-43*** Development of Catalytic Decarbonylative Transformations of Aromatic Esters (Sch. Advanced Sci. Eng., Waseda Univ.; Grad. Sch. Sci., Nagoya Univ.) ○TAKISE, Ryosuke; OKITA, Toshimasa; ISSHIKI, Ryota; KUMAZAWA, Kazushi; ITAMI, Kenichiro; MUTO, Kei; YAMAGUCHI, Junichiro
- 16:20–16:40 **2D4-45*** Ni-Catalyzed Multicomponent Coupling Reaction of Alkene, Carbon Dioxide, and Organoaluminum Reagent (Grad. Sch. Eng., Nagasaki Univ.) ○MORI, Yasuyuki; SHIGENO, Chieko; ONODERA, Gen; KIMURA, Masanari
- 16:50–17:00 **2D4-48** Tetraarylglycols as Recyclable Reductants for Reductive Coupling of Organic Halides (Grad. Sch. Eng., Kyoto Univ.) ○SUN, Fangzhu; MASUDA, Yusuke; ISHIDA, Naoki; MURAKAMI, Masahiro
- 17:30–17:40 **2D4-52** *para*-Selective Alkylation of *N*-substituted Anilides by Cooperative Nickel/Aluminum Catalysis (Grad. Sch. Eng., Kyoto Univ.) ○OKUMURA, Shogo; SHIGEKI, Erika; NAKAO, Yoshiaki

March 18th (Sat)

- 09:30–09:50 **3D4-04*** Experimental and computational investigations on the enantioselective alkynylation of α -ketoesters via copper catalysis (Coll. Sci., Ibaraki Univ.) ○SCHWARZER, Martin Christoph; ISCHII, Takaoki; OHMIYA, Hirohisa; SAWAMURA, Masaya; MORI, Seiji
- 10:10–10:20 **3D4-08** Organocatalytic Silaboration of Alkynes through Activation of Boron-Silicon Bond by Pyridines (Grad. Sch. Eng., Kyoto Univ.) ○MORIMASA, Yohei; OHMURA, Toshimichi; SUGINOME, Michinori
- 11:20–11:40 **3D4-15*** Synthesis of Isocoumarin by Intramolecular Oxyindation of Alkynes with Indium Triiodide (Grad. Sch. Eng., Osaka Univ.) ○KITA, Yuji; NISHIMOTO, Yoshihiro; YASUDA, Makoto
- 13:20–14:20 **3D4-27 CSJ Award for Creative Works** Development of Novel Molecular Transformations Based on Molecular Recognition and Reaction Integration Using Methylene Dizinc Species (Grad. Sch. Eng., Kyoto Univ.) ○MATSUBARA, Seiji
- 15:40–15:50 **3D4-41** Synthesis of 1,3-Azaphosphole Derivatives Based on Copper-Catalyzed [3+2] Cycloaddition Reactions of Phosphaalkynes with Isocyanides (Grad. Sch. Eng., The Univ. of Tokyo) ○LIANG, Wenbin; NAKAJIMA, Kazunari; NISHIBAYASHI, Yoshiaki
- 16:20–16:30 **3D4-45** Synthesis of bulky carboxylic acids bearing poly(ethylene)glycol chains and their use in catalysis (Grad. Sch. Eng., Kyoto Univ.) ○SATOU, Motoi; FUJIHARA, Tetsuaki; TERAU, Jun; TSUJI, Yasushi
- 16:30–16:40 **3D4-46** Copper-catalyzed [4+2] cycloaddition using 2-pyridylketimines and terminal alkynes (Grad. Sch. Eng., Kyoto Univ.) ○TATSUMI, Kenta; FUJIHARA, Tetsuaki; TERAU, Jun; TSUJI, Yasushi
- 17:20–17:40 **3D4-51*** Reaction of Olefins with Phenylplatinum Complexes Supported by Mixed Donor Ligands (Grad. Sch. Eng., The Univ. of Tokyo) ○PAL, Shrinwantu; KUSUMOTO, Shuhei; NOZAKI, Kyoko
- 17:40–17:50 **3D4-53** Platinum-Catalyzed Borylation of Aromatic Carbon-Hydrogen Bonds at the Congested Position (Grad. Sch. Eng., Osaka Univ.) TOBISU, Mamoru; ○FURUKAWA, Takayuki; CHATANI, Naoto
- 18:20–18:40 **3D4-57*** Construction of Stereogenic Silicon Centers by Rhodium-Catalyzed Cycloisomerization Involving 1,2-Silicon/1,3-Carbon Migration (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○NAMBA, Tomoya; SHIBATA, Yu; TANAKA, Ken

March 19th (Sun)

- 09:20–09:30 **4D4-03** Development of New Mono-*N*-Alkylation of Amides by using Disilyl Peroxides (Dep. Chem., Sch. Sci., Kyoto Univ.) ○SAKURAI, Shunya; SAKAMOTO, Ryu; MARUOKA, Keiji
- 11:40–12:00 **4D4-17*** Ligand-Controlled Chemoselectivity of Copper(I)-Catalyzed Borylation Reaction and Development of Borylative Radical Cyclization (FCC, Hokkaido Univ.) ○IWAMOTO, Hiroaki; KUBOTA, Koji; AKIYAMA, Sota; ITO, Hajime

Room E2 (Fourth Building Independence Wing, [Dokuritsu-kan], D303)

March 16th (Thu)

- 15:00–15:10 **1E2-37** Hydrodehalogenation Reactions of Haloalkanes Catalyzed by Niobium Complexes Bearing α -Diimine Ligands (Grad. Sch. Eng. Sci., Osaka Univ.) ○NISHIYAMA, Haruka; TSURUGI, Hayato; MASHIMA, Kazushi

17:30–17:40 **1E2-52** Cobalt-Catalyzed Chelation Assisted C-H Alkylation of Aromatic Amides with Unactivated Olefins (Grad. Sch. Eng., Osaka Univ.) ○KOMMAGALLA, Yadagiri; YAMAGUCHI, Takuma; AIHARA, Yoshinori; CHATANI, Naoto

March 17th (Fri)

09:00–09:10 **2E2-01** Boron-Catalyzed C-Si/Si-H Cross Metathesis of Hydrosilanes (Organometallic Chemistry Laboratory) ○MA, Yuanhong; ZHANG, Liang; HOU, Zhaomin

09:10–09:20 **2E2-02** Diastereoselective Aldol Reaction of Cyclic Germanium Enolates from α,β -Unsaturated Ketones with Ge(II) Salt and its Application to Synthesis of Functionalized Compounds (Grad. Sch. Eng., Osaka Univ.) KONISHI, Akihito; ○MINAMI, Yohei; YASUDA, Makoto

10:40–11:00 **2E2-11*** Mechanistic investigation of aminoalkylation reaction of *N*-heteroaromatics catalyzed by yttrium complexes with *N,N'*-diarylethylenediamine ligands. (Grad. Sch. Eng. Sci., Osaka Univ.) ○KUNDU, Abhinanda; NAGAE, Haruki; NAKAMOTO, Masami; TSURUGI, Hayato; MASHIMA, Kazushi

13:50–14:10 **2E2-30*** Controlling Generation of Frustrated Lewis Pairs from Carbene-Borane Complexes: Mechanism and Application (Grad. Sch. Eng., Osaka Univ.) ○KINOSHITA, Takuya; HOSHIMOTO, Yoichi; OHASHI, Masato; OGOSHI, Sensusuke

14:40–14:50 **2E2-35** Synthesis of β -Aryloxyalkenylzincs via Regio- and Stereoselective Carbozincation of Ynol Ethers (Grad. Sch. Eng., Osaka Univ.) NISHIMOTO, Yoshihiro; ○KANG, Kyoungmin; YASUDA, Makoto

16:00–16:10 **2E2-43** Scandium-Catalyzed Intermolecular Hydrothiomethylation of Unactivated Olefins with Methyl Sulfides (RIKEN CSRS) ○LUO, Yong; HOU, Zhaomin

16:10–16:20 **2E2-44** Rare-earth Catalyzed Regiodivergent C-H Alkylation of Quinolines (RIKEN CSRS) ○LOU, Shaojie; NISHIURA, Masayoshi; HOU, Zhaomin

16:20–16:30 **2E2-45** Scandium-Catalyzed Tandem Copolymerization of 1,4-Dimethoxybenzene with Norbornadiene and Macromolecular Chain Transfer Polymerization of Styrene and Isoprene (Organometallic Chemistry Laboratory, RIKEN) ○YANG, Yang; SHI, Xiaochao; WANG, Haobing; NISHIURA, Masayoshi; HOU, Zhaomin

16:30–16:40 **2E2-46** Lanthanum-catalyzed Enantioselective Cascade Hydroamination/Cyclization of Cyclopropenes with Aminoalkenes and Aminoalkynes (RIKEN CSRS) ○TENG, Huailong; NISHIURA, Masayoshi; HOU, Zhaomin

March 18th (Sat)

09:10–09:30 **3E2-02*** Synthesis of Thiophenes via Ruthenium-Catalyzed [2+2+1] Cyclization of Dienes with Thiocarbonyls (Nagoya Univ.) ○MATSUI, Kazuma; SHIBUYA, Masatoshi; YAMAMOTO, Yoshihiko

09:30–09:50 **3E2-04*** Inter- and intramolecular cyclopropanations of diazo Weinreb amides catalyzed by Ru(II)–Amm–Pheox (Dept. Env. Life Sci., TUT) ○MANDOUR, Hamada S. A.; CHANTHAMATH, Soda; SHIBATOMI, Kazutaka; IWASA, Seiji

10:20–10:40 **3E2-09*** Development of Novel Ruthenium Catalyzed Cycloaddition Reactions and their Application to Synthesis of Polycyclic Aromatic Hydrocarbons (University of Texas at Austin) ○SATO, Hiroki; MICHAEL, Krische

10:40–11:00 **3E2-11*** Development of simultaneous chiral induction reactions on silicon and the neighboring carbon via catalytic asymmetric Si-H insertion and its computational chemical analysis (Dept. Env. Life Sci., TUT; CONFLEX Corporation; Dept. Computer Sci. Eng., TUT) ○NAKAGAWA, Yoko; CHANTHAMATH, Soda; NAKAYAMA, Naofumi; GOTO, Hitoshi; SHIBATOMI, Kazutaka; IWASA, Seiji

11:20–11:40 **3E2-15*** Chiral Vanadium (V) Complex-catalyzed Enantioselective C-C Bond Forming Reactions (1) (ISIR, Osaka Univ.) ○SAKO, Makoto; SUGIZAKI, Akimasa; TAKIZAWA, Shinobu; SASAI, Hiroaki

11:40–11:50 **3E2-17** Vanadium (V) complex-catalyzed Enantioselective C-C Bond Forming Reaction (2) (ISIR, Osaka Univ.) ○AOKI, Takanori; TAKIZAWA, Shinobu; SAKO, Makoto; SASAI, Hiroaki

11:50–12:10 **3E2-18*** Oxovanadium(V)-Catalyzed Introduction of Amino Groups (Grad. Sch. Eng., Osaka Univ.) ○SAKURAMOTO, Takashi; KAWAI, Ryouta; HIRAO, Toshikazu; MORIUCHI, Toshiyuki

14:10–14:20 **3E2-32** Borylation of Cyclic Amines by Cooperative Ir/Al Catalysis (Grad. Sch. Eng., Kyoto Univ.) ○PARK, Kyungho; NAKAO, Yoshiaki

14:40–14:50 **3E2-35** *ortho*-Selective C-H Borylation of Aromatic Compounds Using Distal Functional Group (Grad. Sch. Pharm., The Univ. of Tokyo) ○HONGLIANG, Li; YOICHIRO, Kuninobu; MOTOMU, Kanai

14:50–15:10 **3E2-36*** Ir-catalyzed C-H Borylation of Aryl- and Alkylboronic Acids Modified by Convertible Directing Group on the Boron Atom (Grad. Sch. Eng., Kyoto Univ.) ○ISHIBASHI, Aoi; YAMAMOTO, Takeshi; SUGINOME, Michinori

15:10–15:30 **3E2-38*** Asymmetric hydrogenation of tosylamido-substituted pyrazines with dinuclear iridium(III) catalyst bearing chiral diphosphine ligand (Grad. Sch. Eng. Sci., Osaka Univ.) ○HIGASHIDA, Kosuke; NAGAE, Haruki; MASHIMA, Kazushi

16:00–16:20 **3E2-43*** Iridium-Catalyzed Enantioselective Intramolecular Addition of *N*-Methyl C-H Bond across C-C Double Bond Giving Dihydroindoles (Grad. Sch. Eng., Kyoto Univ.) ○TORIGOE, Takeru; OHMURA, Toshimichi; SUGINOME, Michinori

18:10–18:20 **3E2-56** Iridium-Catalyzed C(sp³)-H Silylation of 2-Alkylpyridines at the Benzylic Position with Hydrosilanes (Sch. Eng., Osaka Univ.) FUKUMOTO, Yoshiya; ○HIRANO, Masaya; CHATANI, Naoto

18:20–18:30 **3E2-57** Iridium-Catalyzed Oxidative Cyclization of *N*-Sulfonyl Alkenamides and Alkenoic Acids (Dep. Chem., Sch. Sci., Kyoto Univ.) ○NAGAMOTO, Midori; NISHIMURA, Takahiro; YORIMITSU, Hideki

March 19th (Sun)

- 09:40–09:50 **4E2-05** Rhodium-Catalyzed Functionalization of Aromatic C-H Bonds with 4-Acyl-1-mesyl-1,2,3-triazoles (Grad. Sch. Eng., Kyoto Univ.) ○ZHAO, Qiang; MIURA, Tomoya; MURAKAMI, Masahiro
- 12:10–12:20 **4E2-20** Rhodium-Catalyzed Reaction of *ortho* C-H Bonds in Aromatic Amides with Alkynes Using a Bidentate Directing Group (Grad. Sch. Eng., Osaka Univ.) ○SHIBATA, Kaname; NATSUI, Satoko; CHATANI, Naoto

[08F. Organic Chemistry -Reaction and Synthesis- Organic Photochemistry]

Room F3 (Fourth Building Independence Wing, [Dokuritsu-kan], D407)

March 17th (Fri)

- 13:20–13:40 **2F3-27*** Aluminum Porphyrin Based Supramolecular Catalyst for Artificial Photosynthesis (Cent. Artificial Photosynthesis, TMU) ○MATHEW, Siby; KUTTASSERY, Fazalurahman; YAMAMOTO, Daisuke; ONUKI, Satomi; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 13:40–13:50 **2F3-29** UTILIZATION OF TIN(IV) PORPHYRINS AS POTENTIAL CANDIDATES FOR WATER OXIDATION IN ARTIFICIAL PHOTOSYNTHESIS (Grad. Sch. Urban Environmental Sci., TMU) ○THOMAS, Arun; KUTTASSERY, Fazalurahman; REMELLO, Sebastian Nybin; MATHEW, Siby; DAISUKE, Yamamoto; YU, Nabetani; HIROSHI, Tachibana; HARUO, Inoue
- 14:20–14:30 **2F3-33** Regio- and stereoselectivity in the photochemical -[2+2] cycloaddition reaction of enones with the pyrrole derivatives (Grad. Sch. Sci., Hiroshima Univ.) ○XUE, Jianfei; ABE, Manabu
- 16:30–16:50 **2F3-46*** Photo-induced debenylation of a diamino-dichloro-benzoquinone derivative part 2 (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) ○SHIN, Insub; SHIMADA, Yuta; ISHIHARA, Shinji; HORIGUCHI-BABAMOTO, Emi; MATSUMOTO, Shinya

[08G. Organic Chemistry -Reaction and Synthesis- Organic Electron Transfer Chemistry]

Room F5 (Fourth Building Independence Wing, [Dokuritsu-kan], D409)

- 16:40–16:50 **2F5-47** Electron transfer reactions and density functional theory (Grad. Sch. Eng., Osaka Univ.) ○YANAGIDA, Shozo; MATSUMURA, Takeko

March 18th (Sat)

- 10:20–10:30 **3F5-09** Radical cation Diels-Alder reactions by Electrocatalysis (Fac. Agr., Tokyo Univ. of Agri. and Technol.) ○IMADA, Yasushi; OKADA, Yohei; CHIBA, Kazuhiro
- 10:40–11:00 **3F5-11*** Hole Mobility of Tetrathienonaphthalene Film: Amorphous Solid Simulation and Device Fabrication (Grad. Sch. Eng., Osaka Pref. Univ.; The Research Inst. for Molecular Electronic Devices, Osaka Pref. Univ.; Grad. Sch. Sci., Osaka Pref. Univ.; X-ray Division, Rigaku, Co. Ltd.) ○MATSUI, Yasunori; YAMAMOTO, Atsushi; ASADA, Toshio; KUMEDA, Motoki; TAKAGI, Kenichiro; SUENAGA, Yu; NAGAE, Kunihiko; OHTA, Eisuke; SATO, Hiroyasu; OGAKI, Takuya; NAITO, Hiroyoshi; KOSEKI, Shiro; IKEDA, Hiroshi
- 11:00–11:20 **3F5-13*** Bioinspired electrolysis of alkenes catalyzed by the B₁₂ model complex (Grad. Sch. Eng., Kyushu Univ.) ○LUO, Zhongli; SHIMAKOSHI, Hisashi; HISAEDA, Yoshio
- 11:20–11:40 **3F5-15*** Facile Synthesis of Trifluoromethylated Furans by Mg-Promoted Two-step Strategy from Aromatic Ynones and Ethyl Trifluoroacetate (Grad. Sch. Eng., Nagaoka Univ. of Tech.) ○ZHANG, Tianyuan; MAEKAWA, Hirofumi

[08H. Organic Chemistry -Reaction and Synthesis- High-Throughput Synthesis]

Room F4 (Fourth Building Independence Wing, [Dokuritsu-kan], D408)

March 17th (Fri)

- 10:30–10:50 **2F4-10*** Huisgen 1,3-Dipolar Cycloaddition in Water with An Amphiphilic Resin-Supported Triazine-Based Dendrimer-Copper Catalyst (LCCMS, IMS; ACCEL, JST) ○PAN, Shiguang; YAN, Shuo; OSAKO, Takao; UOZUMI, Yasuhiro
- 10:50–11:00 **2F4-12** Integration of Aerobic Oxidation and Intramolecular Asymmetric aza-Friedel-Crafts Reactions with a Chiral Bifunctional Heterogeneous Catalyst (Grad. Sch. Sci., The Univ. of Tokyo) ○YOO, Woo-jin; CHENG, Honggang; MIGUELEZ, Javier; MIYAMURA, Hiroyuki; KOBAYASHI, Shu
- 12:00–12:10 **2F4-19** Polymer-Supported Chiral Phosphoric Acid as a Catalyst for the Enantioselective Povarov Reaction (Grad. Sch. Sci., The Univ. of Tokyo) ○RODRIGUEZ-SANTAMARIA, Jose Alberto; YOO, Woo-jin; KOBAYASHI, Shu
- 13:50–14:10 **2F4-30*** CsF Supported on Alumina: an Efficient Heterogeneous Basic Catalyst for Stereoselective 1,4-Addition of Glycine Schiff Bases (Grad. Sch. Sci., The Univ. of Tokyo) ○BORAH, Parijat; YAMASHITA, Yasuhiro; KOBAYASHI, Shu

- 14:40–15:00 **2F4-35*** Silicon Nanostructure-Stabilized Palladium Nanoparticles: Reductive Amination Using Hydrogen and Its Application to Flow Synthesis (RIKEN CSRS) ○SATO, Takuma; NAKAO, Aiko; UOZUMI, Yasuhiro; YAMADA, Yoichi M. A.
- 15:00–15:20 **2F4-37*** Formal hydrogen transfer reactions from saturated compounds to unsaturated compounds in continuous-flow reaction (Grad. Sch. Sci., The Univ. of Tokyo) ○SUZUKI, Aya; MIYAMURA, Hiroyuki; KOBAYASHI, Shu
- 15:20–15:30 **2F4-39** Hydrogenation of aromatic compounds using polymer immobilized metal nanoparticle catalysts (Grad. Sch. Sci., The Univ. of Tokyo) ○MIYAMURA, Hiroyuki; SUZUKI, Aya; KOBAYASHI, Shu

March 18th (Sat)

- 14:50–15:00 **3F4-36** MODELING AND DESIGNING OF MILLI REACTORS FOR CONTINUOUS FLOW SYNTHESIS OF IONIC LIQUIDS (Institute For Innovation Ajinomoto Co., Inc.) ○NAKAHARA, Yuichi; TONOMURA, Osamu; NAGAKI, Aiichiro; HASEBE, Shinji; YOSHIDA, Jun-ichi; METTEN, Bert
- 15:10–15:20 **3F4-38** Synthesis of Iminocyclobutenone Using a Flow System (Fac. Eng., Mie Univ.) ○NAKAMURA, Kenta; HACHIYA, Iwao; SHIMIZU, Makoto

[09. Natural Products Chemistry]

Room C6 (Fourth Building, [B], 22)

March 16th (Thu)

- 11:20–11:40 **1C6-15*** A Unified Total Synthesis of Madangamine Alkaloids: Stereodivergent Approach to Skipped Dienes (Fac. Sci. Tech., Keio Univ.) ○SUTO, Takahiro; YANAGITA, Yuta; NAGASHIMA, Yoshiyuki; TAKIKAWA, Shinsaku; MATSUO, Naoya; KUROSU, Yasuhiro; SATO, Takaaki; CHIDA, Noritaka
- 11:40–12:00 **1C6-17*** Enantioselective Total Synthesis of (+)-Hinckdentine A (Grad. Pharm. Sci., Nagoya Univ.; Grad. Sch. Pharm., The Univ. of Tokyo; Grad. Fac. Life Sci., Hokkaido Univ.) ○DOUKI, Kazuya; ONO, Hiroyuki; TANIGUCHI, Tohru; SHIMOKAWA, Jun; FUKUYAMA, Tohru; KITAMURA, Masato
- 12:00–12:20 **1C6-19*** Towards the total synthesis of Synoxazolidinone C (School of Chemistry, The University of Nottingham) ○VILLA, Maxime; MOODY, Christopher
- 17:20–17:30 **1C6-51** Comparative study of fully synthetic self-adjuvanting cancer vaccine candidates containing tandem repeats of B cell epitope from HER2 (Grad. Sch. Sci., Osaka Univ.) ○FENG, Qi; KABAYAMA, Kazuya; MANABE, Yoshiyuki; KAMETANI, Yoshie; FUKASE, Koichi
- 17:30–17:40 **1C6-52** Synthetic studies on marine natural polyamine protoaculeine-B (International Coll. Arts Sci., Yokohama City Univ.) ○SHIOZAKI, Hiroki; ISHIKAWA, Yuichi; OIKAWA, Masato
- 17:40–18:00 **1C6-53*** High-yield synthesis of selenogluthathione by LPPS and the study of the redox reactions (Sch. Sci., Tokai Univ.) ○SHIMODAIRA, Shingo; IWAOKA, Michio

March 17th (Fri)

- 09:20–09:40 **2C6-03*** Enantioselective total synthesis of purple membrane lipid PGP-Me toward elucidation of protein-lipid interactions (Grad. Sch. Sci., Osaka Univ.) ○YAMAGAMI, Masaki; JIN, Cui; TSUCHIKAWA, Hiroshi; UMEGAWA, Yuichi; HANASHIMA, Shinya; MURATA, Michio
- 09:40–10:00 **2C6-05*** Solid-state NMR study for the molecular orientation of amphotericin B in membrane (Grad. Sch. Sci., Osaka Univ.) ○YAMAMOTO, Tomoya; UMEGAWA, Yuichi; YAMAGAMI, Masaki; HANASHIMA, Shinya; TSUCHIKAWA, Hiroshi; MATSUMORI, Nobuaki; MURATA, Michio
- 10:40–11:00 **2C6-11*** Stereoselective construction of cisoidal bispiroacetal framework found in marine toxins (Sch. Sci., Osaka Univ.) ○YASUKAWA, Yoshifumi; TSUCHIKAWA, Hiroshi; MURATA, Michio

March 18th (Sat)

- 14:40–14:50 **3C6-35** [4 + 2] Cyclization Reaction Using Trisubstituted AllylAlcohols as Diene Precursors (Grad. Sch. Sci., Osaka City Univ.) ○TORIYAMA, Yohei; OGURA, Ryota; YASUNO, Yoko; SHINADA, Tetsuro

Room C7 (Fourth Building, [B], 23)

March 16th (Thu)

- 10:50–11:10 **1C7-12*** Synthesis and biological activity of glycosyl inositol phospholipid from *Entamoeba histolytica* (Grad. Sch. Sci., Osaka Univ.; Fac. Sci. Tech., Keio Univ.; Bernhard Nocht Institute for Tropical Medicine) ○AIBA, Toshihiko; SUEHARA, Sae; BERNIN, Hannah; LOTTER, Hannelore; INUKI, Shinsuke; FUKASE, Koichi; FUJIMOTO, Yukari
- 11:20–11:40 **1C7-15*** In Vivo Pattern Recognition by Heterogeneous N-glycoclusters: Controlling Excretion and Tumor Targeting (Bio. Syn. Chem. Lab., RIKEN) ○SIBGATULLINA, Regina; LATYPOVA, Liliya; FUJIKI, Katsumasa; OGURA, Akihiro; URANO, Sayaka; TAHARA, Tsuyoshi; NOZAKI, Satoshi; WATANABE, Yasuyoshi; KURBANGALIEVA, Almira; TANAKA, Katsunori
- 11:40–12:00 **1C7-17*** Regio- and Stereoselective Glycosylation of Unprotected Sugar Acceptors Using Boronic Acid Catalyst and Its Application to the Synthesis of Biologically Active Glycosides (Fac. Sci. Tech., Keio Univ.) ○TANAKA, Masamichi; NAKAGAWA, Akira; TAKAHASHI, Daisuke; TOSHIMA, Kazunobu
- 15:10–15:20 **1C7-38** Structure Determination of Cycloelatanene A and B by the Crystalline Sponge Method (Grad. Sch. Eng., The Univ. of Tokyo; RMIT) ○LEE, Shoukou; HOSHINO, Manabu; URBAN, Sylvia; FUJITA, Makoto

March 17th (Fri)

- 11:30–11:40 **2C7-16** In vivo glycan-protein conjugation via metal catalysis (Bio. Syn. Chem. Lab., RIKEN) ○LIN, Yixuan; VONG, Kenward; MATSUOKA, Koji; TANAKA, Katsunori
- 14:50–15:00 **2C7-36** Synthetic Study of Phomopsin A (Grad. Sch. Sci., Osaka City Univ.) ○KARITA, Yuma; YASUNO, Yoko; SHINADA, Tetsuro
- 15:00–15:10 **2C7-37** Synthetic Study of SF-2132 (Grad. Sch. Sci., Osaka City Univ.) ○SAWAI, Akira; SEKIHARA, Ai; YASUNO, Yoko; SHINADA, Tetsuro
- 15:10–15:20 **2C7-38** Catalytic Asymmetric Synthesis of Diamino Dicarboxylic Acids (Grad. Sch. Sci., Osaka City Univ.) ○MIZUTANI, Iho; YASUNO, Yoko; SHINADA, Tetsuro
- 16:40–16:50 **2C7-47** Synthetic Study of Ustiloxin D (1) (Grad. Sch. Sci., Osaka City Univ.) ○YAMAGUCHI, Shunsuke; YASUNO, Yoko; SHINADA, Tetsuro
- 16:50–17:10 **2C7-48*** Synthetic Study of Ustiloxin D (2) (Grad. Sch. Sci., Osaka City Univ.) ○YASUNO, Yoko; FUKU, Kazuma; SHINADA, Tetsuro
- 17:10–17:20 **2C7-50** Synthetic Study of Deoxyustiloxin D (Grad. Sch. Sci., Osaka City Univ.) ○SAKAI, Kenta; YASUNO, Yoko; SHINADA, Tetsuro

March 18th (Sat)

- 09:00–09:20 **3C7-01*** Synthetic Studies of Callophycoic Acid A (1) (Fac. Sci. Tech., Keio Univ.) ○SAKAMA, Akihiro; OGURA, Akihiro; TAKAO, Ken-ichi
- 09:30–09:40 **3C7-04** Total Synthesis of Paracentrone Using Bifunctional C5 Diene Units (Grad. Sch. Sci., Osaka City Univ.) ○NISHIOKA, Yuto; YANO, You; KINASHI, Naoto; OKU, Natsumi; TORIYAMA, Yohei; KATSUMURA, Shigeo; SHINADA, Tetsuro; SAKAGUCHI, Kazuhiko
- 11:30–11:50 **3C7-16*** Design and *de novo* synthesis of anti-malarial 6-aza-artemisinins (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) ○REDDY, Bonepally Karunakar; TAKAHASHI, Norihito; OGURI, Hiroki
- 12:10–12:20 **3C7-20** Cholesterol interaction and membrane-permeabilizing properties of OSW-1 examined by solid-state NMR and fluorescence microscopy (Grad. Sch. Sci., Osaka Univ.) ○MALABED, Raymond; MURATA, Michio; HANASHIMA, Shinya; SAKURAI, Kaori

[99. Chemical Biology]**Room C8 (Fourth Building, [B], 33)****March 16th (Thu)**

- 10:40–10:50 **1C8-11** Studies on asymmetric synthesis of excitatory agent IKM-154 (International Coll. Art Sci., Yokohama City Univ.; International Coll. Arts Sci., Yokohama City Univ.) ○ITAGAKI, Hiyori; ISHIKAWA, Yuichi; OIKAWA, Masato
- 11:20–11:40 **1C8-15*** Stimuli-responsive Molecular Glues for Modulating Biomolecular Functions (Grad. Sch. Eng., The Univ. of Tokyo) ○MOGAKI, Rina; OKURO, Kou; AIDA, Takuzo
- 15:00–15:20 **1C8-37*** Analysis of Genomic DNA-Binding Sequences of an Alkylating PI Polyamide Conjugate by a High-Throughput Sequencer (Dep. Chem., Sch. Sci., Kyoto Univ.) ○KASHIWAZAKI, Gengo; TANIGUCHI, Junichi; BANDO, Toshikazu; KAMIKUBO, Yasuhiko; SUGIYAMA, Hiroshi
- 16:20–16:40 **1C8-45*** Visualizing Lipid Droplets by a Negatively Solvatochromic Fluorescent Probe (Grad. Sch. Sci., Nagoya Univ.) ○OSAKI, Hiroshi; TAKI, Masayasu; KIM, Ju-hyun; GENSCHE, Tobias; GLORIUS, Frank; YAMAGUCHI, Shigehiro
- 17:10–17:20 **1C8-50** Polyamine-selective reactivity with glycine propargyl esters (Bio. Syn. Chem. Lab., RIKEN) ○VONG, Kenward; TANAKA, Katsunori

March 17th (Fri)

- 09:10–09:30 **2C8-02*** Development of Multicolour Activatable Protease Probes for Fluorescence and Photoacoustic Cancer Imaging (Grad. Sch. Med., The Univ. of Tokyo; Nat. Def. Med. Coll.) ○IWATATE, Ryu; KAMIYA, Mako; HIRASAWA, Takeshi; ISHIHARA, Miya; URANO, Yasuteru
- 09:30–09:50 **2C8-04*** Design and Synthesis of a New Series of Prostate-Specific Membrane Antigen (PSMA) Targeting Ligands as PET Imaging Agents and Chemotherapeutics for Prostate Cancer (Univ. of Illinois at Chicago) ○NAKAJIMA, Ryo; KOZIKOWSKI, Alan
- 11:20–11:40 **2C8-15*** Detection of In Vivo Oxidative Stress Based on Reduction Potential of Acrolein Biomarker, FDP (Bio. Syn. Chem. Lab., RIKEN; Grad. Sch. Sci., Osaka Univ.; RIKEN; Kazan Univ.; PRESTO, JST) ○TAKAMATSU, Masayuki; FUKASE, Koichi; OKA, Ritsuko; KITAZUME, Shinobu; TANIGUCHI, Naoyuki; TANAKA, Katsunori
- 14:50–15:10 **2C8-36*** Development of the Disaccharide-Type Activity-Based Probe for Sialidase (Syn. Org. Chem. Lab., RIKEN; Tokyo Med. and Dental Univ.; Grad. Sch. Pharm., Kyushu Univ.; RIKEN CSRS; CREST, AMED) ○FUKAZAWA, Ryo; OONUMA, Kana; KATO, Marie; HIRAI, Go; SODEOKA, Mikiko
- 15:10–15:30 **2C8-38*** Synthesis and Immunological Evaluation of Self-Adjuvanting *N*-modified Clustered Sialyl-Tn Conjugate Vaccine Candidate (Grad. Sch. Sci., Osaka Univ.) ○CHANG, Tsung-che; MANABE, Yoshiyuki; FUJIMOTO, Yukari; KAMETANI, Yoshie; KABAYAMA, Kazuya; FUKASE, Koichi
- 15:40–16:00 **2C8-41*** Detection and depletion of carbon monoxide in cells using the high affinity CO receptor, hemoCD (Grad. Sch. Eng., Doshisha Univ.) ○MINEGISHI, Saika; MIYOSHI, Hirotsuna; NEGI, Shigeru; KITAGISHI, Hiroaki; KANO, Koji

- 16:10–16:20 **2C8-44** Synthesis of all the possible isomers of RK460 and its activity evaluation (Syn. Org. Chem. Lab., RIKEN; RIKEN CSRS) ○MIKAME, Yu; YOSHIDA, Kazuko; NAGASAWA, Kazuo; HIRAI, Go; OSADA, Hiroyuki; SODEOKA, Mikiko
- 17:00–17:20 **2C8-49*** Metallo-chemical genetics (2): Selective activation of adrenoceptors by metal complex-agonist conjugates (Grad. Sch. Eng., Kyoto Univ.) ○KUBOTA, Ryou; NOMURA, Wataru; HAMACHI, Itaru

March 18th (Sat)

- 10:30–10:50 **3C8-10*** Planned biomarker using analyte-responsive drug. (Keio Univ. IAB; Keio Univ. IAB) ○NISHIHARA, Tatsuya; SOGA, Tomoyoshi
- 10:50–11:10 **3C8-12*** Application for epigenetics research using chemically synthesized histone H2A and H2B (Grad. Sch. Eng., The Univ. of Tokyo) ○SUEOKA, Takuma; HAYASHI, Gosuke; SAKAKIBARA, Daisuke; OKAMOTO, Akimitsu
- 11:20–11:40 **3C8-15*** Near-infrared phospho-rhodamine dyes enabling in vivo fluorescence imaging (WPI-ITbM, Nagoya Univ.) ○GRZYBOWSKI, Marek; TAKI, Masayasu; SATO, Yoshikatsu; SAITOU, Takashi; IMAMURA, Takeshi; YAMAGUCHI, Shigehiro
- 13:50–14:10 **3C8-30*** High-throughput screening of ligands for regulation of *Striga* germination with Yoshimulactone (Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.; PRESTO, JST) ○YOSHIMURA, Masahiko; TSUCHIYA, Yuichiro; SATO, Ayato; SATO, Yoshikatsu; KINOSHITA, Toshinori; ITAMI, Kenichiro; HAGIHARA, Shinya
- 14:10–14:30 **3C8-32*** New method for affinity-guided protein labeling (Grad. Sch. Eng., Kyoto Univ.; CREST, JST) ○AMAIKE, Kazuma; SONG, Zhining; RI, Shin; TAMURA, Tomonori; HAMACHI, Itaru
- 15:20–15:40 **3C8-39*** Development of a bioluminescence-driven cellular signaling manipulation method using an optogenetic tool (Grad. Sch. Sci., The Univ. of Tokyo) ○KAWAMURA, Genki; KATSURA, Yoshihiro; OZAWA, Takeaki
- 16:00–16:10 **3C8-43** Latent caged cNMPs that can be photoactivated only in the target cells expressing certain enzymes (Fac. Sci., Toho Univ.) ○SAKANO, Taichi; SUZUKI, Akinobu; UENO, Taro; FURUTA, Toshiaki
- 16:10–16:20 **3C8-44** Uptake and response of macrophages sensing of protein needles derived from bacteriophage T4 (Sch. Life Sci. Tech., Tokyo Tech.) ○SHO, Takeya; UENO, Takafumi
- 16:30–16:50 **3C8-46*** Novel Exciton-Controlled Hybridization-Sensitive Fluorescent Probes for Two-photon Imaging of RNA (Grad. Sch. Eng., The Univ. of Tokyo) ○GUO, Lihao; AKIMITSU, Okamoto
- 17:40–18:00 **3C8-53*** Investigation of Concerted Modulators of TLR4/MD-2 (Sch. Sci., Osaka Univ.) ○MIZOTE, Keisuke; SHIMOYAMA, Atsushi; MATSUURA, Yoshifumi; FUJII, Mayu; KANOH, Hirotaka; KABAYAMA, Kazuya; INOKUCHI, Jin-ichi; FUKASE, Koichi

March 19th (Sun)

- 09:20–09:40 **4C8-03*** Sensitive β -galactosidase-targeting fluorescence probe for visualizing peritoneal metastatic tumors (Grad. Sch. Med., The Univ. of Tokyo) ○ASANUMA, Daisuke; SAKABE, Masayo; KAMIYA, Mako; YAMAMOTO, Kyoko; HIRATAKE, Jun; CHOYKE, Peter; NAGANO, Tetsuo; KOBAYASHI, Hisataka; URANO, Yasuteru
- 09:40–10:00 **4C8-05*** Development of peptidase-targeted fluorescence probes with improved cellular retention (Grad. Sch. Med., The Univ. of Tokyo) ○OBARA, Rui; URANO, Yasuteru; KAMIYA, Mako
- 10:10–10:30 **4C8-08*** Development of peptide ligation reaction on DNA scaffold (Grad. Sch. Eng., The Univ. of Tokyo; RCAST, The Univ. of Tokyo) ○YANASE, Masafumi; HAYASHI, Gosuke; OKAMOTO, Akimitsu
- 10:30–10:50 **4C8-10*** Quantitative single molecular analysis to evaluate the signal transduction efficiencies of a G protein coupled receptor (Grad. Sch. Sci., The Univ. of Tokyo) ○NISHIGUCHI, Tomoki; YOSHIMURA, Hideaki; OZAWA, Takeaki
- 10:50–11:00 **4C8-12** Development of a protein module for controlling the spatiotemporal activation of TNFR1 with external light (Grad. Sch. Sci., The Univ. of Tokyo) ○KODAMA, Yuki; ENDO, Mizuki; YOSHIMURA, Hideaki; OZAWA, Takeaki
- 11:00–11:10 **4C8-13** Acrolein imaging of tumor using azide reactivity (Bio. Syn. Chem. Lab., RIKEN) ○PRADIPTA, Ambara; FUJII, Motoko; ITO, Akihiro; ARATA, Mayumi; YOSHIDA, Minoru; TANAKA, Katsunori
- 12:00–12:20 **4C8-19*** A theory of the dynamic epitope: Autoantibodies to the dynamic epitopes generated by aberrant glycosylation at consecutive threonine motifs in circulating carcinoma mucins (Grad. Fac. Life Sci., Hokkaido Univ.) ○NISHIMURA, Shin-ichiro

[10. Biofunctional Chemistry ; Biotechnology]

Room C1 (Fourth Building, [B], 12)

March 16th (Thu)

- 09:20–09:40 **1C1-03*** NMR analyses of the dynamic structure and interactions of Lewis X oligosaccharide and its cluster (Sch. Mat. Sci., JAIST) ○YAN, Gengwei; SUZUKI, Tatsuya; YANAKA, Saeko; YAMAGUCHI, Takumi; FUJITA, Makoto; KATO, Koichi
- 10:10–10:30 **1C1-08*** The Effect of Anionic Polysaccharides on Drug Loading and Release Behaviors of Polysaccharides Composite Films Prepared by Utilizing Hot Press Techniques (Fac. Eng., TUS) ○IJJIMA, Kazutoshi; YAJIMA, Tatsuya; SHIBATA, Tomonori; MURATA, Yu; HASHIZUME, Mineo

- 10:30–10:50 **1C1-10*** Discovery of regioselective mannose-trimming pathways in the endoplasmic reticulum by using selective inhibitors (Fac. Sci. and Technol., Seikei Univ.) ○KURIBARA, Taiki; HIRANO, Makoto; SPECIALE, Gaetano; WILLIAMS, Spencer J.; ITO, Yukishige; TOTANI, Kiichiro
- 11:30–11:50 **1C1-16*** Expanding Semisynthesis by N-terminal modification of expressed protein employing a Hydrophilic Protecting group (Grad. Sch. Sci., Osaka Univ.) ○CHANDRASHEKAR, Chaitra; OKAMOTO, Ryo; IZUMI, Masayuki; KAJIHARA, Yasuhiro
- 11:50–12:10 **1C1-18*** An Efficient Strategy for Glycopeptide Synthesis Having a Semisynthesized Triantennary Complex-Type Oligosaccharide (Grad. Sch. Sci., Osaka Univ.) ○MAKI, Yuta; OKAMOTO, Ryo; IZUMI, Masayuki; KAJIHARA, Yasuhiro
- 14:10–14:30 **1C1-32*** Efficient Synthesis of α -Gal Epitope and Development of Novel Tumor Immunotherapy Using the Conjugate of Anti-cancer Antibody with α -Gal (Grad. Sch. Sci., Osaka Univ.) ○SIANTURI, Julinton; MANABE, Yoshiyuki; TOKUNAGA, Kento; KABAYAMA, Kazuya; FUKASE, Koichi
- 14:30–14:40 **1C1-34*** Synthetic study of mono-galactosylated cholera toxin B subunit (Grad. Sch. Sci., Osaka Univ.) ○GOO, Kang Ying; OKAMOTO, Ryo; IZUMI, Masayuki; KAJIHARA, Yasuhiro
- 16:10–16:30 **1C1-44*** Extracellular Electron Transfer by an oral plaque pathogen: *Streptococcus mutans* UA159 (Grad. Sch. Eng., The Univ. of Tokyo) ○NARADASU, Divya; HASHIMOTO, Kazuhito; OKAMOTO, Akihiro
- 16:30–16:50 **1C1-46*** Plasmonic Remote excitation of surface enhanced Raman scattering: Toward single cell interrogations (RIES, Hokkaido Univ.) FUJITA, Yasuhiko; INOSE, Tomoko; ○UJI-I, Hiroshi
- 16:50–17:00 **1C1-48*** 3D Structure Formation of Nanofibers in Poor Solvents after Accumulation at the Air/Liquid Interface (Grad. Sch. Sci., Eng., Kagoshima Univ.) ○NAMBU, Go; ONIKI, Riho; UEDA, Takehiko
- 17:50–18:10 **1C1-54*** Layer by layer surface modification for active targeting drug delivery system (RIES, Hokkaido Univ.) ○INOSE, Tomoko; FORTUNI, Beatrice; HORI, Natsuki; WATANABE, Kiri; FUJITA, Yasuhiko; UJI-I, Hiroshi

March 17th (Fri)

- 09:30–09:50 **2C1-04*** Self-assembly on lipid rafts mechanically suppresses cancer cell migration (OIST) ○LI, Guanying; ZHANG, Ye
- 10:10–10:30 **2C1-08*** Membrane behavior and sterol interactions of sphingomyelin antipode (Grad. Sch. Sci., Osaka Univ.) ○YANO, Yo; HANASHIMA, Shinya; YASUDA, Tomokazu; TUCHIKAWA, Hiroshi; MURATA, Michio; KINOSHITA, Masanao; MATUMORI, Nobuaki; SUZUKI, Kenichi; SLOTTE, J. Peter
- 10:40–11:00 **2C1-11*** Control of excited energy transfer efficiency by accumulation of chromophores into membrane lipid domain (Kyushu Univ.) ○KOSHIYAMA, Tomomi; HATAE, Tatsuru; OHBA, Masaaki
- 14:30–14:50 **2C1-34*** Novel Bicelles with Unprecedented Stability Using Designed Surfactants (RIKEN CEMS) ○UCHIDA, Noriyuki; MATSUI, Ryoichi; AIDA, Takuzo; ISHIDA, Yasuhiro
- 14:50–15:10 **2C1-36*** Thermal behavior change of raft-mimetic structure by addition of local anesthetics. (Sch. Mat. Sci., JAIST) ○SUGAHARA, Ko; SHIMOKAWA, Naofumi; TAKAGI, Masahiro
- 15:10–15:30 **2C1-38*** Impact of local anesthetics on the raft like (Lo)/non-raft like (Ld) phase separation (Fac. Sci., Kyushu Univ.) ○KINOSHITA, Masanao; CHITOSE, Takeshi; MATSUMORI, Nobuaki
- 16:10–16:30 **2C1-44*** Characterization of Membrane Properties of Guanidinium-Modified Liposome and Its Interaction with Nucleic Acid (Sch. Eng. Sci., Osaka Univ.) ○WATANABE, Nozomi; SUGA, Keishi; UMAKOSHI, Hiroshi
- 16:50–17:10 **2C1-48*** Lineage Commitment of Mesenchymal Stem Cells is Regulated by 3D Cell Accumulation Level on Micropatterned Surface (Grad. Sch. Arts and Sci., The Univ. of Tokyo) ○FURUHATA, Yuichi; YOSHITOMI, Toru; YOSHIMOTO, Keitaro

March 18th (Sat)

- 09:00–09:20 **3C1-01*** Perfusion culture of a three-dimensional tumor model with vasculature using a microfluidic device (Grad. Sch. Eng., Kyoto Univ.) ○NASHIMOTO, Yuji; NAKAMASU, Akiko; ARIMA, Yuichiro; TORISAWA, Yu-suke; NAKAYAMA, Masamune; TERAOKA, Yukako; KOTERA, Hidetoshi; NISHIYAMA, Koichi; MIURA, Takashi; YOKOKAWA, Ryuji
- 10:40–11:00 **3C1-11*** Isolation of Autophagosomes using Magnetic-Plasmonic Hybrid Nanoparticles (Sch. Mat. Sci., JAIST) ○TAKAHASHI, Mari; MOHAN, Priyank; MUKAI, Kohjiro; TAKEDA, Yuichi; MATSUMOTO, Takeo; MATSUMURA, Kazuaki; TAKAKURA, Masahiro; TAGUCHI, Tomohiko; MAENOSONO, Shinya
- 11:30–11:50 **3C1-16*** Direct Extracellular Electron Uptake by New Class of Outer-Membrane c-type Cytochromes in Sulfur-Metabolizing Bacteria (Grad. Sch. Eng., The Univ. of Tokyo) ○DENG, Xiao; HASHIMOTO, Kazuhito; OKAMOTO, Akihito
- 13:20–13:40 **3C1-27*** *In situ* detection of secondary metabolites in bacteria producing bioactive compounds using Raman microspectroscopy (Grad. Sch. Advanced Sci. Eng., Waseda Univ.) ○MIYAOKA, Rimi; ANDO, Masahiro; YOSHIDA, Masatoshi; HOSOKAWA, Masahito; HAMAGUCHI, Hiro-o; TAKEYAMA, Haruko
- 13:40–14:00 **3C1-29*** Continuous monitoring of insulin secretion response induced by insulin secretagogues in the presence of extracellular insulin (ISSD, Hiroshima Univ.; Grad. Sch. Adv. Sci. Mat., Hiroshima Univ.) SHIGETO, Hajime; ONO, Takuto; IKEDA, Takeshi; HIROTA, Ryuichi; ISHIDA, Takenori; KURODA, Akio; ○FUNABASHI, Hisakage
- 14:10–14:20 **3C1-32*** Glycogen production using marine cyanobacterial strain, *Synechococcus* sp. NKBG15041c (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) ○TAKAMATSU, Shouhei; BADALY, Amr; LINDBLAD, Peter; SODE, Koji

- 14:40–15:00 **3C1-35*** Development of single-cell genetic analysis system for circulating tumor cells based on microcavity array (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) ○NEGISHI, Ryo; IWATA, Reito; MATSUNAGA, Tadashi; TANAKA, Tsuyoshi; YOSHINO, Tomoko
- 15:10–15:20 **3C1-38** Engineering of the pilus gene regulation system of *Synechocystis* sp. PCC6803 (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) ○NAGATA, Madoka; ITO, Akiko; NAKAMURA, Mayumi; ABE, Koichi; KOJIMA, Katsuhiko; FERRI, Stefano; SODE, Koji
- 16:10–16:20 **3C1-44** Substrate-Binding Cavity Specific Interaction in Reductase : Insight to Enzyme Enantioselectivity and Macromolecule-Small Molecule Interaction (Sch. Life Sci. Tech., Tokyo Tech.) ○KOESOEMA, Afifa Ayu; SUGIYAMA, Yosuke; VERINA, Samantha; SCHRITT, Dimitri; YAMASHITA, Kazuo; STANDLEY, Daron; SENDA, Miki; SENDA, Toshiya; MATSUDA, Tomoko
- 16:50–17:00 **3C1-48** CO₂-expanded bio-based liquids as novel reaction media for lipase-catalyzed asymmetric acylation of bulky secondary alcohols (Sch. Biosci. Biotech., Tokyo Tech.) ○HOANG, Nam Hai; YAMADA, Shinjiro; NAGASHIMA, Yoshihiro; MORI, Shuichi; KAGECHIKA, Hiroyuki; MATSUDA, Tomoko
- 17:00–17:10 **3C1-49** Cell Sorting Efficiency of Weir Structure-Based Filters in the Designed Microfluidic Chip (Sch. Eng., Osaka Univ.) ○ESPULGAR, Wilfred Villariza; KIZAWA, Yuka; OKAJIMA, Takaaki; SAITO, Masato; TAMIYA, Eiichi
- 17:30–17:40 **3C1-52** Cyclic Hexa-peptide Nanotube Formation by Assisted-assembly using Side Chain Reaction (Grad. Sch. Life Sci. Sys. Eng., KIT) ○FARRAG, Hisham Nabil Mahmoud; KATO, Tamaki

Room C2 (Fourth Building, [B], 13)

March 16th (Thu)

- 14:00–14:20 **1C2-31*** Nitrodibenzofuran-derived Photocleavable Protecting Groups (RCast, The Univ. of Tokyo; Grad. Sch. Eng., The Univ. of Tokyo) ○ZHU, Hao; OKAMOTO, Akimitsu
- 14:20–14:30 **1C2-33** Synthesis and evaluation of small molecules binding to G₄C₂ DNA repeat (ISIR, Osaka Univ.) ○LU, Yihuan; DOHNO, Chikara; NAKATANI, Kazuhiko
- 15:20–15:30 **1C2-39** Taurine Modified Ru(II)-Complex Target Brain Cancer Cell for Photodynamic Therapy (Bioinspired Soft Matter Unit) ○DU, Enming; ZHANG, Ye

March 18th (Sat)

- 10:30–10:50 **3C2-10*** Synthesis and evaluation of organic DπA dye containing dithienopyrrole as the photosensitizer for photodynamic therapy (IIR, Tokyo Tech.) ○MATSUMURA, Keisuke; TAKIZAWA, Miori; FUSE, Shinichiro; NAKAMURA, Hiroyuki
- 10:50–11:10 **3C2-12*** Wavelength Dependent Photosensitized Damage of Proteins by Axial Substituted Porphyrin Phosphorus(V) Complexes (Grad. Sch. Sci. Technol., Shizuoka Univ.) ○OUYANG, Dongyan; HIRAKAWA, Kazutaka
- 11:30–11:50 **3C2-16*** Improvement of the CO₂ reduction to formic acid conversion with formate dehydrogenase via a novel viologen derivative photoreduction (Grad. Sch. Sci., Osaka City Univ.; OCARINA) ○IKEYAMA, Shusaku; KATAGIRI, Takayuki; AMAO, Yutaka
- 11:50–12:10 **3C2-18*** Structures and Magnetic Properties of Five- and Six-Coordinated Iron (III) Porphyrin Complexes with Axially Pyridine-N oxide Derivatives (Grad. Sch. Fac. Sci. Eng., Shimane Univ.; ADRES, Ehime Univ.; Sch. Med., Toho Univ.; Fac. Sci., Toho Univ.) ○IDE, Yuki; ISHIMAE, Hiroki; SUZUKI, Masaaki; MORI, Shigeki; IKEZAKI, Akira; NAKAMURA, Mikio; IKEUE, Takahisa
- 14:10–14:20 **3C2-32** LSPR biosensor fabricated via pressure-free nanoimprinting using HSQ polymer (Grad. Sch. Eng., Osaka Univ.) ○JIANG, Shu; SAITO, Masato; MURAHASHI, Mizuho; TAMIYA, Eiichi

March 19th (Sun)

- 09:00–09:20 **4C2-01*** The chemical synthesis of Poly(ADP-ribose) (Grad. Sch. Eng., The Univ. of Tokyo) ○TAKENAKA, Mei; OKAMOTO, Akimitsu
- 09:40–10:00 **4C2-05*** Development of novel photo-splitting for photo-cross-linked dsDNA using DNA strand displacement (Sch. Mat. Sci., JAIST) ○NAKAMURA, Shigetaka; KAWABATA, Hayato; FUJIMOTO, Kenzo
- 11:00–11:10 **4C2-13** Creation of N₃-modified thioflavin T derivatives for expansions of binding specificities (Sch. Sci. Tech., Gunma Univ.) ○KATAOKA, Yuka; FUJITA, Hiroto; KUWAHARA, Masayasu
- 11:40–12:00 **4C2-17*** Cu-dmbpy/DNA-silica Minerals for Asymmetric Diels-Alder Reactions (Dep. Chem., Sch. Sci., Kyoto Univ.) ○SAKASHITA, Sohei; PARK, Soyung; SUGIYAMA, Hiroshi
- 15:00–15:10 **4C2-37** Synthesis of cyclic polyoxazole compound and evaluation of its selective binding to G₄ and i-motif (Grad. Sch. Fac. Eng., Tokyo Univ. of Agri. and Technol.) ○SEDGHI MASOUD, Shadi; MA, Yue; MARCHAND, Adrien; GABELICA, Valerie; NAGASAWA, Kazuo
- 16:00–16:10 **4C2-43** Enzymatic Synthesis of Artificial Metallo-DNA utilizing Two-step Primer Extension (Grad. Sch. Sci., The Univ. of Tokyo) ○NAKAMA, Takahiro; TAKEZAWA, Yusuke; SHIONOYA, Mitsuhiko

Room C3 (Fourth Building, [B], J14)

March 16th (Thu)

- 10:10–10:30 **1C3-08*** Design of domain-swapped myoglobin dimer (Grad. Sch. Mat. Sci., NAIST; Grad. Sch. Life Sci., Univ. of Hyogo) ○NAGAO, Satoshi; SUDA, Ayaka; KOBAYASHI, Hisashi; SHIBATA, Naoki; HIGUCHI, Yoshiki; HIROTA, Shun

- 12:00–12:20 **1C3-19*** Specificity-determining structural elements of antibody against metal complexes (Grad. Sch. Eng., The Univ. of Tokyo) ○AKIBA, Hiroki; YOSHIDA, Ryosuke; KAWADE, Raiji; CAAVEIRO, Jose; TSUMOTO, Kouhei
- 14:00–14:20 **1C3-31*** Successive Energy Transfer in Zn-substituted Hexameric Hemoprotein with Multiple Photosensitizers toward Constructing an Artificial Light Harvesting Antenna (Grad. Sch. Eng., Osaka Univ.; PRESTO, JST) ○MASHIMA, Tsuyoshi; OOHORA, Koji; HAYASHI, Takashi
- 14:40–14:50 **1C3-35** Effect of Rare Codons on *Hydrogenobacter thermophilus* cytochrome *c*₅₅₂ Oligomerization in *E. coli* Cells (Grad. Sch. Mat. Sci., NAIST) ○YANG, Hongxu; HAYASHI, Yugo; YAMANAKA, Masaru; NAGAO, Satoshi; HIROTA, Shun
- 15:10–15:30 **1C3-38*** Formation of Cytochrome *c'* Oligomers Using Domain-Swapped Dimers and Carbon Monoxide-Dependent Control of Oligomer Association/Dissociation (Grad. Sch. Mat. Sci., NAIST) ○YAMANAKA, Masaru; NAKAYAMA, Ryoko; NAGAO, Satoshi; HOSHIZUMI, Makoto; SHIBATA, Naoki; HIGUCHI, Yoshiki; HIROTA, Shun
- 15:30–15:50 **1C3-40*** Characterization of the cytochrome *c* membrane-binding site using solution NMR (Grad. Sch. Mat. Sci., NAIST) ○KOBAYASHI, Hisashi; NAGAO, Satoshi; HIROTA, Shun
- 16:30–16:40 **1C3-46** Development of Enantioselective Michael Addition Reaction Catalyzed by A Copper-containing Artificial Metalloenzyme (Grad. Sch. Eng., Osaka Univ.) ICHIHASHI, Haruna; ○FUJIEDA, Nobutaka; ITOH, Shinobu
- 18:20–18:40 **1C3-57*** Protein nanostructures constructed by fusing two oligomerization domains with a 3-helix bundle linker (Grad. Sch. Mat. Sci., NAIST) ○MIYAMOTO, Takaaki; HIROTA, Shun

March 17th (Fri)

- 09:20–09:30 **2C3-03** *in vitro* biosynthesis of peptides containing alkyl-backbone via post-translational acyl-transfer reaction (Grad. Sch. Sci., The Univ. of Tokyo) ○KURODA, Tomohiro; GOTO, Yuki; SUGA, Hiroaki
- 09:30–09:50 **2C3-04*** Combination of enzymatic and chemical post-translational modifications for synthesis of various backbone-modified peptides (Grad. Sch. Sci., The Univ. of Tokyo) ○KATO, Yasuharu; GOTO, Yuki; SUGA, Hiroaki
- 09:50–10:10 **2C3-06*** Construction of phototactic liposomes based on photo-induced growth of peptide nanofibers (Grad. Sch. Eng., Tottori Univ.; Inst. Bio. Sci., Tokushima Univ. Grad. Sch.) ○INABA, Hiroshi; UEMURA, Akihito; MORISHITA, Kazushi; KOHIKI, Taiki; SHIGENAGA, Akira; OTAKA, Akira; MATSUURA, Kazunori
- 10:30–10:50 **2C3-10*** Photoreaction dynamics of red and far-red light sensor protein Cph1 photosensory module (Dep. Chem., Sch. Sci., Kyoto Univ.) ○TAKEDA, Kimitoshi; TERAZIMA, Masahide
- 11:40–12:10 **2C3-17 CSJ Award for Young Chemists** Development of Novel Bioactive Molecules Using Artificial *in Vitro* Biosynthesis Systems (Grad. Sch. Sci., The Univ. of Tokyo) ○GOTO, Yuki
- 14:30–14:50 **2C3-34*** Ca²⁺-responsive supramolecular peptide hydrogels for cell culture (Sch. Life Sci. Tech., Tokyo Tech.) ○FUKUNAGA, Kazuto; TSUTSUMI, Hiroshi; MIHARA, Hisakazu
- 16:10–16:20 **2C3-44** Discovery of Macrocyclic Peptide Ligands Adopting β-Hairpin Structure (Grad. Sch. Sci., The Univ. of Tokyo) ○YOSHIKANE, Takafumi; GOTO, Yuki; SUGA, Hiroaki
- 16:30–16:40 **2C3-46** Effect of block length on the self-assembly of elastin-like block polypeptides (Grad. Sch. Eng., Nagoya Univ.; Nagoya Univ. VBL) ○SUGAWARA-NARUTAKI, Ayae; YASUNAGA, Sawako; LE, Duc H. T.; OHTSUKI, Chikara

March 18th (Sat)

- 09:00–09:20 **3C3-01*** Discovery of disease-related peptide hydrolases using enzym-omics approach (Grad. Sch. Pharm., The Univ. of Tokyo) ○KOMATSU, Toru; ONAGI, Jun; ICHIHASHI, Yuuki; HANAOKA, Kenjiro; NAGANO, Tetsuo; URANO, Yasuteru
- 09:40–10:00 **3C3-05*** A mechanism on the pathological formation of toxic protein oligomers in the neurodegenerative disease (Grad. Sch. Sci. Tech., Keio Univ.) ○ANZAI, Itsuki; TOKUDA, Eiichi; MUKAIYAMA, Atsushi; AKIYAMA, Shuji; FURUKAWA, Yoshiaki
- 10:40–11:00 **3C3-11*** Evaluation of Residue-selectivity of HATs/HDACs by LC-MS/MS (Grad. Sch. Pharm., The Univ. of Tokyo; JST-ERATO; Grad. Sch. Advanced Sci. Eng., Waseda Univ.) ○TANABE, Kana; KURUMIZAKA, Hitoshi; YAMATSUGU, Kenzo; KAWASHIMA, Shigehiro A.; KANAI, Motomu
- 11:20–11:40 **3C3-15*** Reaction dynamics of photo-activation and DNA-binding of the light-dependent DNA binding protein EL222 (Dep. Chem., Sch. Sci., Kyoto Univ.) ○TAKAKADO, Akira; NAKASONE, Yusuke; TERAZIMA, Masahide
- 13:40–14:10 **3C3-29 Young Scholar Lectures of CSJ** Creation of Functional Protein Crystals by *in vivo* Crystal Engineering (Sch. Life Sci. Tech., Tokyo Tech.) ○ABE, Satoshi
- 14:10–14:30 **3C3-32*** Construction for epigenetic analysis platform by protein chemical synthesis (Grad. Sch. Eng., The Univ. of Tokyo) ○HAYASHI, Gosuke; OKAMOTO, Akimitsu
- 15:50–16:10 **3C3-42*** Design and Generation of Tailor-made Biocatalysts by Directed Evolution of Lipocalin-type Prostaglandin D Synthase (L-PGDS). (Grad. Sch. Sci., Osaka Pref. Univ.; Grad. Sch. Life and Environmental Sci., Osaka Pref. Univ.) ○MIYAMOTO, Naoki; NAKATSUJI, Masatoshi; IMAMURA, Akira; INUI, Takashi; FUJII, Ikuo
- 16:20–16:40 **3C3-45*** Thermodynamic analysis of the mechanism of peptide recognition by an anti-peptide antibody (Grad. Sch. Eng., The Univ. of Tokyo) ○MIYANABE, Kazuhiro; AKIBA, Hiroki; CAAVEIRO, Jose; KURODA, Daisuke; TSUMOTO, Kouhei

17:10–17:20 **3C3-50** Construction of a triangle-shaped structure with a unit protein based on cytochrome *c*₅₅₅ (Grad. Sch. Mat. Sci., NAIST) ○ODA, Akiya; UEDA, Ikki; YAMANAKA, Masaru; NAGAO, Satoshi; SHIBATA, Naoki; HIGUCHI, Yoshiki; HIROTA, Shun

March 19th (Sun)

- 09:00–09:20 **4C3-01*** How does the carboxysome scaffold protein, CcmM, induce aggregation of RuBisCO? (Akita Univ. Grad. Sch. Sci.) NAKAGUCHI, Yuki; MIKI, Tomohiro; NAKAMURA, Ryutarō; SONOTAKI, Seiichi; MATSUMURA, Hiroto; NOGUCHI, Keiichi; FUKUTANI, Yosuke; MURAKAMI, Yoshihiko; YOYODA, Masafumi; ○ODAKA, Masafumi
- 09:20–09:40 **4C3-03*** Use of newly designed protein supramolecule as a carrier for enzyme immobilization (Fac. Sci. Tech., Keio Univ.) ○KAWAKAMI, Norifumi; KONDO, Hiroki; MATSUZAWA, Yuki; MIYAMOTO, Kenji
- 10:30–10:40 **4C3-10** Construction of Biosupramolecular Assemblies Regulated by Crystalline Lattice of Protein (Grad. Sch. Biosci. Biotech., Tokyo Tech.) ○NGUYEN, Tien Khanh; NEGISHI, Hashiru; ABE, Satoshi; UENO, Takafumi
- 10:40–11:00 **4C3-11*** Molecular design of protein crystals for construction of highly ordered structures (Sch. Biosci. Biotech., Tokyo Tech.) ○NEGISHI, Hashiru; ABE, Satoshi; UENO, Takafumi
- 11:30–11:50 **4C3-16*** Optical manipulation of neurite outgrowth direction in vivo using light-dependent protein oligomerization (Grad. Sch. Sci., The Univ. of Tokyo) ○ENDO, Mizuki; OZAWA, Takeaki
- 12:00–12:20 **4C3-19*** Accumulation mechanism of uncommon D-β-aspartyl residue in lens α-crystallin by kinetics of spontaneous peptide bond cleavage and isomerization (Himeji Dokkyo Univ., Faculty of Pharm. Sci.) AKI, Kenzo; ○OKAMURA, Emiko

Room C4 (Fourth Building, [B], J19)

March 16th (Thu)

- 09:40–10:00 **1C4-05*** Development of Distance and Orientation Controlled FRET System Using Emissive dG-dC Analogue Pair (Dep. Chem., Sch. Sci., Kyoto Univ.) YAMAMOTO, Seigi; ○HAN, Jihun; PARK, Soyoung; SUGIYAMA, Hiroshi
- 10:30–10:50 **1C4-10*** Recognition of 5-methylcytosine and 5-methyluridine in RNA by Osmium Oxidation (The Univ. of Tokyo) ○DEBNATH, Turja Kanti; OKAMOTO, Akimitsu
- 10:50–11:10 **1C4-12*** Development of new chemical modification method for analysis of unique G-quadruplex structures (Fac. Med., Univ. of Miyazaki) ○ISHIZUKA, Takumi; BAO, Hong-liang; XU, Yan
- 11:50–12:10 **1C4-18*** Visualization of human telomeres with pyrrole-imidazole polyamides targeting human telomeric repeats (Dep. Chem., Sch. Sci., Kyoto Univ.; Sch. Life Sci., SOKENDAI) ○KAWAMOTO, Yusuke; CHANDRAN, Anandhakumar; BANDO, Toshikazu; MAESHIMA, Kazuhiro; SUGIYAMA, Hiroshi
- 13:40–14:00 **1C4-29*** Live-Cell Imaging of Bioorganic Molecules with a Small Molecule and a Short RNA (ICR, Kyoto Univ.) ○YATSUZUKA, Kenji; SATO, Shinichi; KATSUDA, Yousuke; PE, Beverly Kathleen; UESUGI, Motonari
- 14:00–14:20 **1C4-31*** Exploration the RNA G-quadruplex using a small molecule (WPI-iCeMS, Kyoto Univ.) ○KATSUDA, Yousuke; SATO, Shinichi; YATSUZUKA, Kenji; UESUGI, Motonari
- 14:20–14:40 **1C4-33*** ATP sensors selected from a fluorophore library (IAE, Kyoto Univ.) ○NAKANO, Shun; TAMURA, Tomoki; CHANG, Young-tae; MORII, Takashi
- 15:20–15:40 **1C4-39*** Development of signal amplification circuit composed of acyclic artificial nucleic acids for detection of RNA (Grad. Sch. Eng., Nagoya Univ.) ○MURAYAMA, Keiji; NAGAO, Ryuya; ASANUMA, Hiroyuki
- 16:10–16:20 **1C4-44** Selective G-quadruplex alkylation by vinyl triazine derivatives (IMRAM, Tohoku Univ.) ○HAZEMI, Madoka Eurika; USAMI, Akira; KOBAYASHI, Tomohito; SATO, Norihiro; ONIZUKA, Kazumitsu; NAGATSUGI, Fumi
- 16:20–16:40 **1C4-45*** Mechanistic study of pseudorotaxane formation via the slipping process targeting on nucleic acids (IMRAM, Tohoku Univ.) ○ONIZUKA, Kazumitsu; CHIKUNI, Tomoko; MIYASHITA, Takuya; NAGATSUGI, Fumi
- 16:40–16:50 **1C4-47** Investigation of stabilization and biofunction of Z-RNA and Z-DNA/Z-RNA hybrid helix stabilized by 2'-O-methyl-8-methylguanosine a Z-form stabilizer (Fac. Med., Univ. of Miyazaki) ○BALASUBRAMANIAM, Thananjeyan; ISHIZUKA, Takumi; XU, Yan
- 16:50–17:00 **1C4-48** Photo-driven DNA strands displacement mediated by azobenzene-tethered oligonucleotide (Grad. Sch. Eng., Nagoya Univ.) ○CHENG, Bohao; KASHIDA, Hiromu; SHIMADA, Naohiko; MARUYAMA, Atsushi; ASANUMA, Hiroyuki
- 17:20–17:40 **1C4-51*** Nucleic Acids Chemistry beyond the Watson-Crick Double Helix (28): A non-coding tRNA regulates functionally important G-quadruplex-hairpin conformational equilibria in RNA (FIBER, Konan Univ.) ○RODE, Ambadas B.; ENDOH, Tamaki; SUGIMOTO, Naoki
- 17:40–18:00 **1C4-53*** Nucleic Acids Chemistry beyond the Watson-Crick Double Helix (29): Analysis of structural dynamics of RNA aptamer using high pressure (FIBER, Konan Univ.; FIBER, Konan Univ.) ○TAKAHASHI, Shuntaro; ENDOH, Tamaki; RODE, Ambadas B.; SUGIMOTO, Naoki

March 17th (Fri)

- 09:00–09:10 **2C4-01** Antitumor Activity by Sequence-Specific HAT Inhibitors (Dep. Chem., Sch. Sci., Kyoto Univ.) ○YU, Zutao; TANIGUCHI, Junichi; WEI, Yulei; BANDO, Toshikazu; SUGIYAMA, Hiroshi

- 09:10–09:20 **2C4-02** RBP-J Binding Inhibition Drives Human Neural Stem Cells Differentiation by Suppressing Hes-1 and Related Notch Signaling Pathway (Dep. Chem., Sch. Sci., Kyoto Univ.; WPI-iCeMS, Kyoto Univ.) ○WEI, Yulei; NAMASIVAYAM, Ganesh Pandian; BANDO, Toshikazu; SUGIYAMA, Hiroshi
- 09:20–09:40 **2C4-03** Cardiomyocytes Induction By DNA Sequence-Specific Synthetic Molecules (Dep. Chem., Sch. Sci., Kyoto Univ.; WPI-iCeMS, Kyoto Univ.) ○TANIGUCHI, Junichi; NAMASIVAYAM, Ganesh Pandian; BANDO, Toshikazu; SUGIYAMA, Hiroshi
- 10:00–10:30 **2C4-07 Young Scholar Lectures of CSJ** RNA Conformational Dynamics that Encodes New Dimensional Code in Central Dogma (FIBER, Konan Univ.) ○ENDO, Tamaki
- 10:30–10:50 **2C4-10** Functional oligonucleotide for regulation of cellular activities (1) Oligonucleotide-based growth factor mimetics -Regulation of cellular functions and its application- (Grad. Sch. Eng., The Univ. of Tokyo) ○UEKI, Ryosuke; KANDA, Naoto; UCHIDA, Satoshi; CABRAL, Horacio; SANDO, Shinsuke
- 11:10–11:30 **2C4-14** Application of DNA quadruplex hydrogels as biomaterial (Fac. Chem. Materials and Bioeng., Kansai Univ.) ○TANAKA, Shizuma; FUKUSHIMA, Kazuki; WAKABAYASHI, Kenta; YUKAMI, Shinsuke; KUZUYA, Akinori; OHYA, Yuichi
- 11:40–12:00 **2C4-17** Topologically interlocked DNA nanostructures inside a DNA origami frame (IAE, Kyoto Univ.) ○RAJENDRAN, Arivazhagan; PARK, Seo-jeong; NAKATA, Eiji; KWON, Youngjoo; MORII, Takashi
- 14:50–15:00 **2C4-36** Simple screening method for ligands affecting CAG/CTG repeats stability (ISIR, Osaka Univ.) ○BINTI MOHD ZAIFUDDIN, Nursakinah; LI, Jinxing; DOHNO, Chikara; NAKATANI, Kazuhiko
- 16:50–17:00 **2C4-48** Nucleic Acids Chemistry beyond the Watson-Crick Double Helix (31): The C-rich sequence in non-template strand determines the structure of G-rich template during transcription (FIBER, Konan Univ.) ○TENG, Ye; TATEISHI, Hisae; SUGIMOTO, Naoki
- 17:00–17:20 **2C4-49** Nucleic Acids Chemistry beyond the Watson-Crick Double Helix (32): Relationship of malignant alteration in cancer cells and the transcript mutations via DNA G-quadruplex formation (FIBER, Konan Univ.) ○TATEISHI-KARIMATA, Hisae; KAWAUCHI, Keiko; SUGIMOTO, Naoki

March 18th (Sat)

- 09:40–10:00 **3C4-05** Development of DNA logic gates to provide a small molecule output in response to microRNA inputs (Univ. of Pittsburgh) ○MORIHIRO, Kunihiko; DEITERS, Alexander
- 10:30–10:50 **3C4-10** Activity of spatially organized enzyme on DNA scaffold (IAE, Kyoto Univ.) ○DINH, Huyen; NAKATA, Eiji; MORII, Takashi
- 10:50–11:10 **3C4-12** Orthogonal modular adaptors for assembling multiple enzymes on DNA scaffold (IAE, Kyoto Univ.) ○NGUYEN, Thang; NAKATA, Eiji; SAIMURA, Masayuki; MORII, Takashi
- 11:20–12:20 **3C4-15 CSJ Award for Creative Works** A Bioorganic Chemistry Approach to Understanding Molecular Recognition in Protein-Nucleic Acid Complexes (IAE, Kyoto Univ.) ○MORII, Takashi

March 19th (Sun)

- 09:40–10:00 **4C4-05** Enhanced strand invasion into double-stranded DNA by PNA-NLS conjugates (Sch. Sci., Nagoya Univ.) ○AIBA, Yuichiro; URBINA, Gerardo; WATANABE, Yoshihito
- 10:20–10:40 **4C4-09** Catalytic activity of an RNP receptor library with structural diversity (IAE, Kyoto Univ.) ○TAMURA, Tomoki; NAKANO, Shun; MORII, Takashi
- 11:00–11:10 **4C4-13** Coding technology based on oligonucleotides (2) Design of artificial nucleic acids for efficient decoding of DNA tags by quantum sequencer (Grad. Sch. Eng., The Univ. of Tokyo) ○FURUHATA, Takafumi; OHSHIRO, Takahito; UEKI, Ryosuke; TANIGUCHI, Masateru; SANDO, Shinsuke
- 12:00–12:20 **4C4-19** Intracellular Delivery of Peptide Ribonucleic Acid by Oligoarigine Conjugation (IMRAM, Tohoku Univ.) ○SUGAI, Hiroka; SAKAMOTO, Seiji; ARAKI, Yasuyuki; WADA, Takehiko
- 15:20–15:30 **4C4-39** Metal-responsive Triplex-forming Oligonucleotides based on 5-Hydroxyuracil DNA Bases (Grad. Sch. Sci., The Univ. of Tokyo) ○NISHIYAMA, Kotaro; TAKEZAWA, Yusuke; SHIONOYA, Mitsuhiko
- 16:00–16:20 **4C4-43** Enzymatic cascade reactions on the DNA scaffold (IAE, Kyoto Univ.) ○NAKATA, Eiji; DINH, Huyen; NGUYEN, Thang; SAIMURA, Masayuki; MORII, Takashi

[11. Analytical Chemistry]

Room A1 (Fourth Building, [A], J413)

March 16th (Thu)

- 11:20–11:40 **1A1-15** Development of Selection Method of DNA Aptamers Targeting Small Molecules based on CE-SELEX: Application for Cocaine-Biosensor (Advanced Research Div., Panasonic Corp.) ○ONODERA, Mari; SUEYOSHI, Kenji; UMETSU, Mitsuo
- 14:30–14:50 **1A1-34** Nanofluidic device embedded with metamaterials for ultra-sensitive infrared absorption spectroscopy and its application (RIKEN) ○LE, Hac Huong Thu; TANAKA, Takuo
- 15:10–15:20 **1A1-38** Rapid-Scan Fourier-Transform Coherent Anti-Stokes Raman Scattering Spectroscopy with Heterodyne Detection (Grad. Sch. Sci., The Univ. of Tokyo) ○LUO, Yizhi; HIRAMATSU, Kotaro; IDEGUCHI, Takuro; GODA, Keisuke
- 15:20–15:30 **1A1-39** Observation of Ni nanocrystals on HOPG by surface elemental analysis, XANAM (Grad. Sch. Eng., Nagoya Univ.) ○SUZUKI, Shushi; MUKAI, Shingo; CHUN, Wang-jae; NOMURA, Masaharu; ASAKURA, Kiyotaka

- 15:40–16:00 **1A1-41*** Fabrication of Fluorescent Chemosensor Arrays with Molecular Self-Assemblies (IIS, The Univ. of Tokyo; Bowling Green State Univ.) SASAKI, Yui; ANZENBACHER, Pavel; OMINAMI, Tsuyoshi
 16:10–16:30 **1A1-44*** Ionophore-based colorimetric sodium ion sensing on pH-buffer-integrated paper-based devices (Grad. Sch. Sci. Tech., Keio Univ.) OSHIBATA, Hiroyuki; HENARES, Terence; YAMADA, Kentaro; SUZUKI, Koji; CITTERIO, Daniel

March 17th (Fri)

- 09:30–09:50 **2A1-04*** Reversible fluorescent probes for live-cell imaging of endogenous hydropolysulfides (Grad. Sch. Pharm., The Univ. of Tokyo) OUMEZAWA, Keitaro; KAMIYA, Mako; URANO, Yasuteru
 09:50–10:10 **2A1-06*** Design and Synthesis of Firefly Luciferin Analogues emitting in Near-Infra Red Wavelength (Grad. Sch. Sci. Tech., Keio Univ.) OIKEDA, Yuma; SAITOH, Tsuyoshi; NIWA, Kazuki; IWASAWA, Naoko; CITTERIO, Daniel; NISHIYAMA, Shigeru; SUZUKI, Koji
 10:30–10:40 **2A1-10** High-Throughput Fluorescence Imaging Flow Cytometry with an Enhanced Image Resolution (Grad. Sch. Sci., The Univ. of Tokyo) O HARMON, Jeffrey; MIKAMI, Hideharu; OZEKI, Yasuyuki; GODA, Keisuke
 10:40–10:50 **2A1-11** Imaging flow cytometry with sensitivity-optimized coded-excitation fluorescence microscopy (Grad. Sch. Sci., The Univ. of Tokyo) OYIFAN, Liu; ZHEN, Li; STEFANIA, Moroianu; MIKAMI, Hideharu; OZEKI, Yasuyuki; GODA, Keisuke
 11:20–11:40 **2A1-15*** Electrochemicolor imaging for cell analysis (Grad. Sch. Eng., Tohoku Univ.) OINO, Kosuke; KANNO, Yusuke; SHIKU, Hitoshi; MATSUE, Tomokazu
 12:00–12:20 **2A1-19*** Fingerprinting of protein characteristics using cross-reactive fluorescent polyamino acids (BRI, AIST) OTOMITA, Shunsuke; ISHIHARA, Sayaka; KURITA, Ryoji
 13:30–14:00 **2A1-28 Young Scholar Lectures of CSJ** Micro/nano electrochemical device for bioassays (Grad. Sch. Eng., Tohoku Univ.) OINO, Kosuke
 14:10–14:30 **2A1-32*** Development of scanning ion conductance microscopy for time-lapse imaging of neuron (Coll. Sci. Eng., Kanazawa Univ.) OTAKAHASHI, Yasufumi; ZHOU, Yuanshu; FUKUMA, Takeshi
 15:40–15:50 **2A1-41*** Novel Method for Detection of Single Pathogenic Particle based on DNA Elongation Induced by Surface Plasmon Heating (Grad. Sch. Life and Env. Sci., Kyoto Pref. Univ.) OKAWAHARA, Yuki; ISHIDA, Akito
 16:00–16:20 **2A1-43*** Spyrolactam capped cyanine dyes for designing NIR probes to target multiple metal ions (Fac. Sci. Tech., Keio Univ.) OKAR, Chirantan; NISHIYAMA, Shigeru; CITTERIO, Daniel; SUZUKI, Koji
 16:20–16:40 **2A1-45*** Characterization of a cashew resin film and a linseed oil film (JEOL Ltd.) ONIIMURA, Noriyasu; TERASHIMA, Hiroshi
 16:50–17:00 **2A1-48** Label-free investigation of agonist-activated platelet aggregation with optofluidic time-stretch microscopy (Grad. Sch. Sci., The Univ. of Tokyo) OYIYUE, Jiang; CHENG, Lei; ATSUSHI, Yasumoto; YASUYUKI, Ozeki; YATOMI, Yutaka; KEISUKE, Goda

March 18th (Sat)

- 13:40–14:00 **3A1-29*** Generation of two dimensional droplet arrays including dual sample concentration gradients (Grad. Sch. Sci. Tech., Keio Univ.) OYASUGA, Hiroki; MIKI, Norihisa
 14:50–15:10 **3A1-36*** Solid-Phase Extraction of Organic Molecules based on Plasmonic Optical Trapping of Poly(*N,N*-Diethylacrylamide) (Grad. Sch. Sci., Osaka City Univ.) OSHOJI, Tatsuya; SUGO, Daiki; WAKISAKA, Yumi; MURAKOSHI, Kei; TSUBOI, Yasuyuki
 15:50–16:10 **3A1-42*** Text-Displayed Paper-Based Analytical Device for Urine Analysis (Grad. Sch. Sci. Tech., Keio Univ.) OYAMADA, Kentaro; SUZUKI, Koji; CITTERIO, Daniel
 16:10–16:30 **3A1-44*** Nanoscale analysis of cell-cell adhesion by a combination of super-resolution fluorescence imaging and microfluidics (King Abdullah University of Science and Technology (KAUST)) ABU-ZINEH, Karmen; AL ALWAN, Bader; MERZABAN, Jasmineen; OHABUCHI, Satoshi

[12. Polymer]

Room A2 (Fourth Building, [A], J414)

March 16th (Thu)

- 10:00–10:20 **1A2-07*** Reactivity of mechnochromophore in organic-inorganic composites (Sch. Mater. & Chem. Tech., Tokyo Tech.) OKOSUGE, Takahiro; IMATO, Keiichi; GOSEKI, Raita; OTSUKA, Hideyuki
 10:30–10:50 **1A2-10*** Dynamic Covalent Polymers Based on Thermally Dissociable Hindered Aminodisulfides (Grad. Sch. Sci., Eng., Tokyo Tech.) OTAKAHASHI, Akira; GOSEKI, Raita; OTSUKA, Hideyuki
 11:40–12:00 **1A2-17*** Stabilization of Recombinant Spider Silk against Thermo-oxidative Degradation (Sch. Mat. Sci., JAIST) ODAO, Anh Thi Ngoc; NAKAYAMA, Koyuru; SHIMOKATA, Jun'ichi; TAKEUCHI, Kengo; TANIIKE, Toshiaki
 13:20–13:40 **1A2-27*** Synthesis of Polymer Nitrite *N*-Oxides Directed to Fabrication of Sophisticated Polymer Architecture (Sch. Mater. & Chem. Tech., Tokyo Tech.) OTSUTSUBA, Toyokazu; SOGAWA, Hiromitsu; TAKATA, Toshikazu
 13:40–14:00 **1A2-29*** Synthesis of nitrile *N*-oxide-based orthogonal reagent and their application to catalyst-free polymer linking (Sch. Mater. & Chem. Tech., Tokyo Tech.) OSOGAWA, Hiromitsu; CHEACHAN, Sumitra; TAKATA, Toshikazu

- 14:30–15:00 **1A2-34 CSJ Award for Outstanding Young Women Chemists** Precise Synthesis of Reactive Polymers and Their Application to Interfacial Functional Materials (Grad. Sch. Eng., Osaka City Univ.) ○SATO, Eriko
 15:50–16:00 **1A2-42** Synthesis and Properties of Solid-State Emissive Boron Diiminate Homopolymers (Grad. Sch. Eng., Kyoto Univ.) ○FUKUYAMA, Misuzu; ITO, Shunichiro; TANAKA, Kazuo; CHUJO, Yoshiki
 16:30–16:40 **1A2-46** Morphological control of Polymer Nanoparticles through MOF-templating (Grad. Sch. Eng., Kyoto Univ.) ○LEGRAND, Alexandre; UEMURA, Takashi; KITAGAWA, Susumu
 17:10–17:30 **1A2-50*** Property change of rotaxane-linked polymers by Star/linear topology transformation (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○AOKI, Daisuke; TAKATA, Toshikazu

March 17th (Fri)

- 13:40–14:00 **2A2-29*** Modeling of SiO₂-supported single-site olefin polymerization catalyst: evaluation of the supporting effect in the homogeneous system (Grad. Sch. Eng., Hiroshima Univ.) ○TANAKA, Ryo; TONOKO, Naoki; KAWAHARA, Tomoyasu; NAKAYAMA, Yuushou; SHIONO, Takeshi
 14:10–14:20 **2A2-32** Control of Thermosensitive Properties by Copolymerization of Trimethylene Carbonate Derivatives Bearing Oligo ethylene Glycol and Coumarin Units (Grad. Sch. Mat. Sci., NAIST) ○CHANTHASET, Nalinthip; KAN, Kai; AKASHI, Mitsuru; AJIRO, Hiroharu

March 18th (Sat)

- 09:10–09:20 **3A2-02** Polymerization of styrene with organo-boron compounds (Sch. Env. Sci. Eng., KUT) ○NARUOKA, Yusuke; SUGIMOTO, Ryuichi
 09:30–09:50 **3A2-04*** Dynamic control of polylactide nanostructure bearing aldehyde at the chain end (Inst. Res. Initi., NAIST; Grad. Sch. Mat. Sci., NAIST) ○KAN, Kai; AKASHI, Mitsuru; AJIRO, Hiroharu
 10:20–10:40 **3A2-09*** Controlled radical polymerization using kagome-type porous metal complex (Kyoto Univ.) ○MOCHIZUKI, Shuto; HATA, Shunsuke; UEMURA, Takashi; KITAGAWA, Susumu
 10:50–11:00 **3A2-12** The catalytic oxidative polymerization of 3-hexylthiophene by way of the oxidize Fe²⁺ to Fe³⁺ (Sch. Env. Sci. Eng., KUT) ○THIEN AN, Phung Hai; RYUICHI, Sugimoto

March 19th (Sun)

- 09:20–09:40 **4A2-03*** Conformation of PEGDME molecules in sPS co-crystals by simultaneous SANS/FTIR (Osaka Univ.) KANEKO, Fumitoshi; SETO, Naoki; SATO, Shuma; UTE, Koichi; SCHIAVONE, Maria Maddalena; ALLGAIER, Juergen; ○RADULESCU, Aurel
 10:20–10:40 **4A2-09*** Effect of Mechanical Shearing on Molecular Alignment Behavior of Masked Photopolymerization (Lab. Chem. Life Sci., Tokyo Tech.) ○ISHIZU, Masaki; HISANO, Kyohei; SHISHIDO, Atsushi

Room A3 (Fourth Building, [A], J415)

March 16th (Thu)

- 10:20–10:40 **1A3-09*** Asymmetric Catalysis through Chirality Transfer from Chiral Solvent Using Achiral Helical Macromolecule as a Catalyst (Kyoto Univ.) NAGATA, Yuuya; ○TAKEDA, Ryohei; SUGINOME, Michinori
 10:40–11:00 **1A3-11*** Synthesis of Vinyl Polymer-Based Rotaxane Cross-Linked Polymers Using Cyclodextrin-tethering Supramolecular Cross-Linkers (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○IIJIMA, Keisuke; AOKI, Daisuke; TAKATA, Toshikazu
 11:10–11:30 **1A3-14*** Structure effect of [2]rotaxane cross-linker on property of rotaxane cross-linked polymer (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○SAWADA, Jun; AOKI, Daisuke; TAKATA, Toshikazu
 13:20–13:50 **1A3-27 CSJ Award for Young Chemists** Development of Innovative Chiral Materials Based on Solvent-Dependent Helix Inversion of Macromolecular Backbone (Grad. Sch. Eng., Kyoto Univ.) ○NAGATA, Yuuya
 14:50–15:10 **1A3-36*** Poly(quinoxaline-2,3-diyl) as a Modular Platform for Circularly Polarized Luminescent Materials: Color Tuning, Energy Transfer, and Switching of the CPL Handedness (Grad. Sch. Eng., Kyoto Univ.) ○NISHIKAWA, Tsuyoshi; NAGATA, Yuuya; SUGINOME, Michinori
 16:30–16:40 **1A3-46** Fabrication and application of porphyrin contained ultra-thin films via “click chemistry” (Fac. Sci., The Univ. of Tokyo) ○SHIOTSUKI, Ryo; NAKAJIMA, Ukyo; SAKAMOTO, Ryota; NISHIHARA, Hiroshi
 17:00–17:20 **1A3-49*** Development of Chiral Stationary Phases Based on Helicity Control of Poly(biphenylacetylene) Derivatives Bearing Polar Pendant Groups (Grad. Sch. Eng., Nagoya Univ.) ○ISHIDATE, Ryoma; IKAI, Tomoyuki; MAEDA, Katsuhiko; KANOH, Shigeyoshi; YASHIMA, Eiji

March 17th (Fri)

- 10:10–10:50 **2A3-08 CSJ Award for Technical Development** Development of Special Polycarbonate Resins With a High Refractive Index and Low Birefringence (MITSUBISHI GAS CHEMICAL COMPANY, INC.) ○KATO, Noriyuki; NISHIMURA, Yoshio; NAKAJIMA, Masayuki; TSUNODA, Takashi; FUKUSHIMA, Takamasa
 11:30–11:50 **2A3-16*** Construction of Liquid Crystalline Virus-based Hydrogels for Controlled Release of Antibody Proteins (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○SAWADA, Toshiki; YANAGIMACHI, Miyuki; SERIZAWA, Takeshi
 11:50–12:10 **2A3-18*** Size Controlled Nanocaplets Prepared via ‘Template Polymerization’ for Delivery of Macromolecules. (Grad. Sch. Eng., The Univ. of Tokyo) ○P.K, Hashim; OKURO, Kou; AIDA, Takuzo
 12:10–12:20 **2A3-20** siRNA Nanocaplet for Cancer-Targeting Delivery (Fac. Eng., The Univ. of Tokyo) ○KOHATA, Ai; P.K, Hashim; OKURO, Kou; AIDA, Takuzo
 13:30–13:50 **2A3-28*** Photoresponsive Molecular Glues for Control of Bimolecular Functions (Grad. Sch. Eng., The Univ. of Tokyo) ○OKURO, Kou; AIDA, Takuzo

14:20–14:30 **2A3-33** Development of highly sensitive detection system with ^{19}F NMR probes based on the assembly of a paramagnetic-metal complex and a fluorinated POSS (Grad. Sch. Eng., Kyoto Univ.) ○NARIKIYO, Hayato; KAKUTA, Takahiro; TANAKA, Kazuo; GON, Masayuki; CHUJO, Yoshiki

March 18th (Sat)

10:10–10:40 **3A3-08 Young Scholar Lectures of CSJ** Development of Potential Programmed Functional Polymers (Lab. Chem. Life Sci., Tokyo Tech.; JST-ERATO) ○ALBRECHT, Ken

11:20–11:30 **3A3-15** Microwave synthesis of metallo-supramolecular polymers (NIMS; AIST) ○RANA, Utpal; SAITO, Yuko; TAKEUCHI, Kazuhiko; NAGAHATA, Ritsuko; HIGUCHI, Masayoshi

March 19th (Sun)

10:40–11:00 **4A3-11*** Engineered Protein GroEL for controlling 1D to 3D Nanostructural Assembly (Grad. Sch. Eng., The Univ. of Tokyo) ○SIM, Seunghyun; AIDA, Takuzo

11:00–11:10 **4A3-13** GroEL/DNA Conjugate (Fac. Eng., The Univ. of Tokyo) ○KASHIWAGI, Daiki; SIM, Seunghyun; AIDA, Takuzo

[13. Catalysts and Catalysis]

Room A8 (Fourth Building, [A], J424)

March 16th (Thu)

13:30–13:50 **1A8-28*** Sunlight-driven hydrogen peroxide production from water and dioxygen by carbon nitride-based photocatalysts (RCSE, Osaka Univ.) ○KOFUJI, Yusuke; ISOBE, Yuki; OHKITA, Satoshi; SHIRAISHI, Yasuhiro; HIRAI, Takayuki

15:30–15:50 **1A8-40*** Photocatalytic Ammonia Production from Water and Nitrogen on Surface Oxygen Vacancies of Titanium Dioxide (RCSE, Osaka Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) ○HIRAKAWA, Hiroaki; SHIRAISHI, Yasuhiro; HIRAI, Takayuki

15:50–16:10 **1A8-42*** Factors affecting the photocatalytic activity of chromium-ion-doped titanium dioxide under visible light irradiation (Grad. Sch. Sci. Eng., Yamaguchi Univ.) ○NISHIYAMA, Naoto; YAMAZAKI, Suzuko

16:10–16:30 **1A8-44*** Mechanisms of photoinduced charge separation at alternate stacked structure of metal oxide nanosheets (Grad. Sch. Sci., Eng., Tokyo Tech.) ○KISHIMOTO, Fuminao; MOCHIZUKI, Dai; TSUBAKI, Shuntaro; WADA, Yuji

March 17th (Fri)

13:20–13:30 **2A8-27** Effect of annealing temperatures on the physical properties and photocatalytic activity of $\text{La}_5\text{Ti}_2\text{Cu}(\text{S}_{1-x}\text{Se}_x)_5\text{O}_7$ (Grad. Sch. Eng., The Univ. of Tokyo) ○NANDY, Swarnava; HISATOMI, Takashi; MINEGISHI, Tsutomu; DOMEN, Kazunari

17:30–17:40 **2A8-52** One-pot synthesis of TiO_2 /graphene nanocomposite for visible light photocatalysis based on chemical exfoliation method (Sch. Mat. Sci., JAIST) ○TON, Nhan Nu Thanh; TRINH, Dai Xuan; KATO, Kouichirou; IKENAGA, Takuma; TANIKE, Toshiaki

March 18th (Sat)

09:50–10:10 **3A8-06*** Mechanistic Analysis of Electrocatalytic Water Oxidation by Monodisperse 10-nm-Sized Mn Oxide Nanoparticles (RIKEN CSRS) ○HAYASHI, Toru; JIN, Kyoungsuk; SEO, Hongmin; BONNET-MERCIER, Nadège; HASHIMOTO, Kazuhito; NAM, Ki Tae; NAKAMURA, Ryuhei

11:20–11:30 **3A8-15** Photoelectrochemical water splitting using cadmium telluride photoelectrodes (Fac. Eng., The Univ. of Tokyo) ○SU, Jin; MINEGISHI, Tsutomu; DOMEN, Kazunari

13:20–13:30 **3A8-27** Evaluation of reaction intermediate species for the photocatalytic conversion of CO_2 by H_2O over $\text{Ag}/\text{SrNb}_2\text{O}_6$ (Grad. Sch. Eng., Kyoto Univ.) ○PANG, Rui; TERAMURA, Kentaro; ASAKURA, Hiroyuki; HOSOKAWA, Saburo; TANAKA, Tsunehiro

14:20–14:40 **3A8-33*** Development of Metal Oxide Photocatalysts with Wide Band Gaps for Highly Selective CO_2 Reduction Using Water as an Electron Donor (Fac. Sci., TUS) ○TAKAYAMA, Tomoaki; IWASE, Akihiko; KUDO, Akihiko

14:40–15:00 **3A8-35*** Enhancement of CO evolution by praseodymium-modified Ga_2O_3 for the photocatalytic conversion of CO_2 by H_2O (Grad. Sch. Eng., Kyoto Univ.) ○HUANG, Zeai; TERAMURA, Kentaro; ASAKURA, Hiroyuki; HOSOKAWA, Saburo; TANAKA, Tsunehiro

15:00–15:20 **3A8-37*** Visible-light-driven photocatalytic CO_2 reduction reaction using hybrid with an organic semiconductor and a Ru(II) binuclear complex (Sch. Sci., Tokyo Tech.) ○KURIKI, Ryo; YAMAKATA, Akira; ISHITANI, Osamu; MAEDA, Kazuhiko

16:10–16:20 **3A8-44** Photocatalytic reduction of CO_2 using H_2O as an electron donor over Ag-modified calcium titanate (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) ○ANZAI, Akihiko; FUKUO, Naoto; YAMAMOTO, Akira; YOSHIDA, Hisao

16:20–16:30 **3A8-45** Photocatalytic methane dry reforming over metal loaded gallium oxide (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) ○ITO, Yoji; YAMAMOTO, Akira; YOSHIDA, Hisao

17:00–17:10 **3A8-49** Direct cross-coupling between cyclohexane and heteroaromatic compounds over titanium oxide photocatalyst (Fac. Integrated Human Studies, Kyoto Univ.) ○NANIWA, Shimpei; OHARA, Tomoyuki; YAMAMOTO, Akira; YOSHIDA, Hisao

17:50–18:00 **3A8-54** Design of Pd@Graphene Oxide Framework nanocatalysts for Suzuki-Miyaura Cross-Coupling Reactions (Sch. Mat. Sci., JAIST) ○TRAN, Thuy Phuong Nhat; THAKUR, Ashutosh; TANIKE, Toshiaki

18:20–18:30 **3A8-57** Cycloaddition of Carbon Dioxide and Epoxides using TRIS and Halides as Dual Catalyst System (Grad. Sch. Sci., The Univ. of Tokyo) ○SARI, Laila Ambar; SASAKI, Takehiko

March 19th (Sun)

10:00–10:20 **4A8-07*** Theoretical Study of the Effect of SnO₂ on the Electronic Properties of Platinum Nanoparticles (Grad. Sch. Eng., Kyushu Univ.) ○RIVERA, David; ISHIMOTO, Takayoshi; KOYAMA, Michihisa

12:00–12:20 **4A8-19*** Development of Supported Ruthenium Catalysts for Green One-pot Transformation of Phenol Derivatives to Biphenols (Grad. Sch. Eng. Sci., Osaka Univ.) ○MAENO, Zen; MITSUDOME, Takato; MIZUGAKI, Tomoo; JITSUKAWA, Koichiro

12:20–12:40 **4A8-21*** Mechanistic Studies on Biomass Conversion to Five-membered Lactone Based on Computational and Experimental Analysis (Interdisciplinary Grad. Sch. Sci. and Eng., Tokyo Tech.) ○YAMAGUCHI, Sho; DEGUCHI, Hikaru; KAWAUCHI, Susumu; MOTOKURA, Ken; MIYAJI, Akimitsu; BABA, Toshihide

Room A9 (Fourth Building, [A], J425)

March 16th (Thu)

13:40–14:00 **1A9-29*** Novel ester metathesis reaction catalyzed by organometallic ruthenium complexes (OIST) ○KHASKIN, Eugene

16:30–16:40 **1A9-46** Dehydrogenative Silylation of Ethanol over Immobilized Rhodium Complex Catalysts (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) ○NAKATANI, Kouhei; YAMAMOTO, Akira; YOSHIDA, Hisao

16:40–16:50 **1A9-47** Effect of surface modification on the activity of supported gold catalyst for ethanol silylation (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) ○HASEGAWA, Ryuto; YAMAMOTO, Akira; YOSHIDA, Hisao

17:10–17:20 **1A9-50** Selective hydrogenation of unsaturated carbonyls with iso-propanol using rare earth oxides (Grad. Sch. Eng., Chiba Univ.) ○NATSIR, Taufik Abdillah; HARA, Takayoshi; ICHIKUNI, Nobuyuki; SHIMAZU, Shogo

March 17th (Fri)

13:50–14:10 **2A9-30*** Selective Oxidation of Benzene to phenol by Alkali- and Alkaline-Earth Metal/Zelite Catalysts (Innovation Res. Ctr. for Feul Cells, The Univ. of Electro-Communications) ○GHOSH, Shilpi; ACHARYYA, Shankha Shubhra; YOSHIDA, Yusuke; HIGASHI, Kotaro; KANEKO, Takuma; SASAKI, Takehiko; IWASAWA, Yasuhiro

15:50–16:10 **2A9-42*** Synthesis of Diarylamines through Supported Gold-Palladium Nanoparticles-Catalyzed Acceptorless Dehydrogenative Aromatization (The Univ. of Tokyo) ○TANIGUCHI, Kento; JIN, Xiongjie; YAMAGUCHI, Kazuya; NOZAKI, Kyoko; MIZUNO, Noritaka

16:30–16:40 **2A9-46** Catalytic cracking of squalene derived from algae-producing oil (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) ○SHIRAIISHI, Kazuma; KONDO, Takahiro; FUJITANI, Tadahiro; NAKAMURA, Junji

March 18th (Sat)

09:30–10:00 **3A9-04 Young Scholar Lectures of CSJ** Organic synthesis catalyzed by unique acid/base and redox properties of CeO₂ (Grad. Sch. Eng., Tohoku Univ.; PRESTO, JST) ○TAMURA, Masazumi

11:00–11:10 **3A9-13** Base Catalytic Activity of Hexatantalate (Grad. Sch. Sci., The Univ. of Tokyo; ESICB, Kyoto Univ.; CREST, JST) ○SASAKI, Naoto; HAYASHI, Shun; YAMAZOE, Seiji; TSUKUDA, Tatsuya

14:40–15:00 **3A9-35*** Theoretical study on conversion of methane to acetic acid and methanol by metal-MFI zeolite (IMCE, Kyushu Univ.) ○MORITA, Yoshitsugu; KAMACHI, Takashi; YOSHIZAWA, Kazunari

15:00–15:20 **3A9-37*** Automotive Three-Way Catalytic Reaction over Iron-Based Spinel-Type Oxide Catalysts (Grad. Sch. Eng., Nagoya Univ.) ○UEDA, Kakuya; OHYAMA, Junya; SATSUMA, Atsushi

15:50–16:10 **3A9-42*** Promoter effect of Pd species for oxygen storage capacity of Sr₃Fe₂O_{7-δ} (Grad. Sch. Eng., Kyoto Univ.; ESICB, Kyoto Univ.) ○BEPPU, Kosuke; HOSOKAWA, Saburo; ASAKURA, Hiroyuki; TERAMURA, Kentaro; TANAKA, Tsunehiro

16:30–17:00 **3A9-46 CSJ Award for Young Chemists** Development of Solid Catalyst-Solid Substrate Reactions for Efficient Utilization of Biomass (Inst. for Cat., Hokkaido Univ.) ○KOBAYASHI, Hirokazu

17:10–17:20 **3A9-50** Size Controllable Gold Nanoparticles on Functionalized SBA-15 for Transfer Hydrogenation of Nitroarenes (Grad. Sch. Sci., The Univ. of Tokyo) ○KUSUMAWATI, Ety Nurlia; SASAKI, Takehiko

17:40–18:00 **3A9-53*** CO₂ Reduction on Metallic Copper Cathode Modified by On-Surface Organic Networking (Grad. Sch. Sci., Hiroshima Univ.) ○KUME, Shoko

March 19th (Sun)

10:10–10:30 **4A9-08*** Amino Acid-aided Synthesis of High Surface Area Hexagonal SrMnO₃ and its Aerobic Oxidation Catalysis (MSL, Tokyo Tech.; PRESTO, JST) ○SUGAHARA, Kosei; KAMATA, Keigo; HARA, Michikazu

10:40–11:00 **4A9-11*** Photocatalytic activity enhancement of one-pot synthesized titania by facile non-thermal helium atmospheric plasma treatment (Grad. Sch. Eng., KUT) ○DURIYASART, Farkfun; OHTANI, Masataka; KOBIRO, Kazuya

[14. Colloid and Interface Chemistry]

Room B4 (Fourth Building, [A], J444)

March 16th (Thu)

- 13:00–13:20 **1B4-25*** Low temperature Adsorption Based Oxygen Isotope separation (X-Breed, Shinshu Univ.) ○ KUMAR, Sanjeev; FUTAMURA, Ryusuke; ITO, Hiromitsu; KANEKO, Katsumi
- 13:20–13:40 **1B4-27*** Effects of polarization on superionic state in nanopores between conductive carbon walls (X-Breed, Shinshu Univ.) ○ FUTAMURA, Ryusuke; IYAMA, Taku; SIMON, Patrice; SALANNE, Mathieu; GOGOTSI, Yury; KANEKO, Katsumi
- 13:40–14:00 **1B4-29*** Dynamic Response of Porous Coordination Crystal Surface Monitored by in-situ Atomic Force Microscopy (WPI-iCeMS, Kyoto Univ.) ○ HOSONO, Nobuhiko; KITAGAWA, Susumu
- 14:00–14:20 **1B4-31*** Graphene nanoribbon synthesis associated with a dissociation of carbon-fluorine bonds (Grad. Sch. Mat. Sci., NAIST; Advanced System Research & Development Unit, Fujitsu Limited) ○ HAYASHI, Hironobu; YAMAGUCHI, Jun-ichi; JIPPO, Hideyuki; SATO, Shintaro; YAMADA, Hiroko

March 17th (Fri)

- 09:50–10:10 **2B4-06*** Effects of chemical surface properties of metal substrates on adsorption MoDTC (NICHC, Tohoku Univ.; IMRAM, Tohoku Univ.; WPI-AIMR, Tohoku Univ.) ○ PHAN, Quynh Thi Nhu; MIZUKAMI, Masashi; TANABE, Tadao; KURIHARA, Kazue

March 18th (Sat)

- 09:00–09:20 **3B4-01*** Isolation and characterization of micrometer-sized water droplets coated with self-assembled fullerene films (Grad. Sch. Sci., The Univ. of Tokyo) ○ MADDALA, Sai; HARANO, Koji; NAKAMURA, Eiichi
- 09:20–09:40 **3B4-03*** Multi-Focal Characterization for Micro-Phase Separation Behavior of Liposome Membrane (Grad. Sch. Eng. Sci., Osaka Univ.) ○ SUGA, Keishi; BUI, Tham T; AKIZAKI, Kei; OKAMOTO, Yukihiro; UMAKOSHI, Hiroshi
- 09:40–10:00 **3B4-05*** Control of Orientation of Chlorophyll a on Lipid Bilayer Membrane and Its Photo-Function (Grad. Sch. Eng. Sci., Osaka Univ.) ○ TAGUCHI, Shogo; SUGA, Keishi; HAYASHI, Keita; OKAMOTO, Yukihiro; NAKAMURA, Hidemi; UMAKOSHI, Hiroshi
- 10:10–10:30 **3B4-08*** Direct measurement of blunt end stacking between DNA molecules by atomic force microscopy (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○ SEKINE, Taito; KANAYAMA, Naoki; OZASA, Kazunari; NYU, Takashi; HAYASHI, Tomohiro; MAEDA, Mizuo
- 11:50–12:10 **3B4-18*** Size and crystallinity control in hydrogen-bonded porous molecular nanosheets assembled at air/liquid interfaces (Grad. Sch. Eng., Osaka Pref. Univ.; PRESTO, JST) TANIGUCHI, Azusa; ○ MAKIURA, Rie

Room B5 (Fourth Building, [A], J445)

March 16th (Thu)

- 13:10–13:30 **1B5-26*** Formation and decomposition mechanisms of lustrous copper nanoparticle film and its electric conductivity (Fac. Sci. Eng., Chuo Univ.) ○ MIYAGAWA, Masaya; YONEMURA, Mari; OHNO, Kazuki; TANAKA, Hideki
- 13:30–13:50 **1B5-28*** Photoregulated Porosification of Au-Ag Alloy Nanoparticles Based on Photoelectrochemical Dealloying (IIS, The Univ. of Tokyo) ○ NISHI, Hiroyasu; TATSUMA, Tetsu
- 13:50–14:10 **1B5-30*** Hydrogen Adsorption Properties in Pd/Pt Core/Shell Nanoparticles: A DFT Study (Grad. Sch. Eng., Kyushu Univ.) ○ BINTI ZULKIFLI, Nor Diana; ISHIMOTO, Takayoshi; KOYAMA, Michihisa
- 14:20–14:40 **1B5-33*** Designing of Magnetic-Plasmonic Ternary Metallic Nanoparticles (Sch. Mat. Sci., JAIST) ○ MOHAN, Priyank; TAKAHASHI, Mari; KITAURA, Ryoichi; HIGASHIMINE, Koichi; MOTT, Derrick; MAENOSONO, Shinya
- 14:40–15:00 **1B5-35*** Synthesis and functionalisation of Chemically-Stable Water-Dispersable Iron Nanoparticles. (Sch. Mat. Sci., JAIST) ○ FAMIANI, Simone; MAENOSONO, Shinya; THANH, Nguyen T. K.
- 15:00–15:20 **1B5-37*** Analysis of stable structure of ruthenium nanoparticles (IFRC, Kyushu Univ.) ○ NANBA, Yusuke; ISHIMOTO, Takayoshi; KOYAMA, Michihisa
- 16:20–16:40 **1B5-45*** Strong Magnets by Total Control of Nanomagnetism (ICR, Kyoto Univ.) ○ TRINH, Thang Thuy; SATO, Ryota; MATSUMOTO, Kenshi; SAKUMA, Noritsugu; TERANISHI, Toshiharu
- 17:00–17:20 **1B5-49*** The Phase Transition Behavior and Ionic Conductivity of Silver Bromide Iodide Nanoparticles (Dep. Chem., Sch. Sci., Kyoto Univ.; PRESTO, JST; Grad. Sch. Eng., Kyushu Univ.; Grad. Sch. Sci., Osaka Pref. Univ.) ○ YAMAMOTO, Takayuki; KOBAYASHI, Hirokazu; YAMAMOTO, Tomokazu; MATSUMURA, Syo; KUBOTA, Yoshiki; KITAGAWA, Hiroshi
- 17:20–17:40 **1B5-51*** Structural characterization of ultrathin gold nanorods by high-resolution transmission electron microscopy (Grad. Sch. Sci., The Univ. of Tokyo) ○ TAKAHATA, Ryo; YAMAZOE, Seiji; KOYASU, Kiichirou; TSUKUDA, Tatsuya
- 17:40–18:00 **1B5-53*** Soft-Template Synthesis of Double-Helical Gold Nanowires with Chirality Control (Fac. Eng., TUS) ○ NAKAGAWA, Makoto; WAGA, Tomonori; IMURA, Yoshiro; WANG, Ke-hsuan; KAWAI, Takeshi

March 17th (Fri)

- 13:40–14:10 **2B5-29 Young Scholar Lectures of CSJ** Synthesis of Functional Particles Utilizing Various Interfacial Construction Strategies based on Polymer Synthetic Chemistry (Grad. Sch. Eng., Kobe Univ.) ○KITAYAMA, Yukiya
- 15:10–15:30 **2B5-38*** Atomically Precise Synthesis of Thiolate-Protected Metal Clusters Based on High-Resolution Separation (Grad. Sch. Chem. Sci. Technol., TUS) ○NIIHORI, Yoshiki; NEGISHI, Yuichi
- 15:30–15:50 **2B5-40*** Fabrication of High-Performance $L1_0$ -FePd/ α -Fe Nanocomposite Magnets (ICR, Kyoto Univ.; Adv. Mater. Eng. Div., Toyota Motor Corp.) ○MATSUMOTO, Kenshi; SATO, Ryota; TRINH, Thang Thuy; SAKUMA, Noritsugu; TERANISHI, Toshiharu
- 15:50–16:10 **2B5-42*** Investigation on long-lived charge separation in visible light-responsive Au_xS/ZnS heterostructured nanoparticles (Dep. Chem., Sch. Sci., Kyoto Univ.; ICR, Kyoto Univ.; Fac. Sci. and Tech., Tokushima Univ.) ○KIMURA, Masato; SAKAMOTO, Masanori; ADACHI, Hiroyuki; SUGIMOTO, Toshiki; HARUTA, Mitsutaka; WATANABE, Kazuya; FURUBE, Akihiro; KURATA, Hiroki; MATSUMOTO, Yoshiyasu; TERANISHI, Toshiharu
- 16:10–16:20 **2B5-44** Appearance of Surface Plasmon Resonance by Hydrogen Adsorption on Gold Clusters (Grad. Sch. Sci., The Univ. of Tokyo; ESICB, Kyoto Univ.; CREST, JST) ○ISHIDA, Ryo; HAYASHI, Shun; YAMAZOE, Seiji; TSUKUDA, Tatsuya
- 17:20–17:40 **2B5-51*** Metal Nanoparticles Covered with Metal–organic Framework for Hydrogen Storage/Catalysis Applications (Dep. Chem., Sch. Sci., Kyoto Univ.; PRESTO, JST; Grad. Sch. Eng., Kyushu Univ.) ○KOBAYASHI, Hirokazu; YAMAMOTO, Tomokazu; MATSUMURA, Syo; KITAGAWA, Hiroshi

March 18th (Sat)

- 09:30–09:40 **3B5-04** Synthesis of Au-Ru Solid-Solution Alloy Nanoparticles and Investigation of Their Catalytic Property (Dep. Chem., Sch. Sci., Kyoto Univ.) ○ZHANG, Quan; KUSADA, Kohei; YAMAMOTO, Tomokazu; MATSUMURA, Syo; KITAGAWA, Hiroshi
- 09:40–09:50 **3B5-05** Novel Synthesis of Ir-Cu Nanoparticles with Various Atomic Ratios for Catalytic Applications (Dep. Chem., Sch. Sci., Kyoto Univ.) ○WANG, Fenglong; KUSADA, Kohei; YAMAMOTO, Tomokazu; MATSUMURA, Syo; KITAGAWA, Hiroshi
- 11:20–11:30 **3B5-15** Facile synthesis of N-doped disordered TiO_2 with high photocatalytic activity under vis-NIR light irradiation (Grad. Sch. Sci., Hiroshima Univ.) ○WANG, Yufeng; SAITOW, Ken-ichi
- 12:10–12:20 **3B5-20** Synthesis of Eu(III) oxide nanocrystals using nonanuclear Eu(III) cluster (Sch. Eng., Hokkaido Univ.) ○KOIDE, Katsumasa; NAKANISHI, Takayuki; KITAGAWA, Yuichi; FUSIMI, Koji; HASEGAWA, Yasuchika
- 12:30–12:40 **3B5-22** Preparation of a transparent glass-film of epsilon iron oxide nanomagnets (Grad. Sch. Sci., The Univ. of Tokyo) ○YOSHIKIYO, Marie; NAMAI, Asuka; NAKAGAWA, Kosuke; OHKOSHI, Shin-ichi
- 12:40–12:50 **3B5-23** Iron oxide nanoparticles for High performance positive MRI contrast agents (Grad. Sch. Eng., The Univ. of Tokyo; RIKEN CEMS) ○TAKEUCHI, Toshiaki; SIM, Seunghyun; MIYAJIMA, Daigo; AIDA, Takuzo

Room B6 (Fourth Building, [A], J446)

March 16th (Thu)

- 13:00–13:20 **1B6-25*** Supramolecular hydrogels based on self-sorted nanofibers (1): Unique emergent properties derived from the orthogonal stimuli-responsiveness (Grad. Sch. Eng., Kyoto Univ.) ○SHIGEMITSU, Hajime; FUJISAKU, Takahiro; TANAKA, Wataru; KUBOTA, Ryou; HAMACHI, Itaru
- 13:30–13:50 **1B6-28*** enzyme-triggered self-assembly of small molecules inducing emission and its application for living cells (OIST) ○ZHENG, Yunhui; ZHANG, Ye
- 13:50–14:00 **1B6-30** Coassembly of Unbinding Molecules into Particles Driven by Photocleavage of Self-assembled Nanofibers (OIST) ○JI, Wei; ZHANG, Ye
- 14:10–14:30 **1B6-32*** Dimension-Controlled Assemblies Based on Genuine π -Electronic Ions (Coll. Life Sci., Ritsumeikan Univ.) ○HAKETA, Yohei; BANDO, Yuya; MAEDA, Hiromitsu
- 14:30–14:50 **1B6-34*** Modified Bipyrrrole Derivatives Providing Electric-Field-Responsive Liquid Crystals (Coll. Life Sci., Ritsumeikan Univ.) ○NAKAMURA, Kazuto; MAEDA, Hiromitsu
- 14:50–15:10 **1B6-36*** Fabrication and evaluation of photoluminescent property of liquid-crystalline mechanochromic composite substrate using dynamical composite formation (Univ. of Hyogo) YAMOTO, Taku; ○KONDO, Mizuho; KAWATSUKI, Nobuhiro
- 15:20–15:40 **1B6-39*** Anisotropic soft materials based on the electrostatic repulsion between charged nanosheets (1): Dynamic photonic structure and its spatiotemporal pattern formation (RIKEN CEMS) ○SANO, Koki; EBINA, Yasuo; SASAKI, Takayoshi; ISHIDA, Yasuhiro; AIDA, Takuzo
- 15:40–15:50 **1B6-41** Anisotropic soft materials based on the electrostatic repulsion between charged nanosheets (2): Hydrogel with extralarge mechanical anisotropy (RIKEN CEMS) ○SANO, Koki; ONUMA, Yuka; EBINA, Yasuo; SASAKI, Takayoshi; ISHIDA, Yasuhiro; AIDA, Takuzo
- 16:40–16:50 **1B6-47** Fixation of Living Cyanobacteria on a Plasmonic Substrate by Microbubble Formation (Grad. Sch. Sci., Osaka City Univ.) ○NAKA, Shota; SHOJI, Tatsuya; WAKISAKA, Yumi; MURAKOSHI, Kei; MIZOGUCHI, Tadashi; TAMIAMI, Hitoshi; TSUBOI, Yasuyuki

March 17th (Fri)

- 10:40–11:00 **2B6-11*** Design of metal-organic cages *exo*-functionalized with carbazole dendrons (iCeMS) ○OMOTO, Kenichiro; HOSONO, Nobuhiko; KITAGAWA, Susumu

- 11:00–11:20 **2B6-13*** Development of Stimuli-Responsive Fluorescent N-Heteroacene (Fac. Eng., Kagawa Univ.) ○ ISODA, Kyosuke
- 14:50–15:00 **2B6-36** Water-Dispersible Boronate Microparticles for Aiming at Preparation of Chemosensors with Multicolor Fluorescence Emission (Grad. Sch. Urban Environmental Sci., TMU) ○ PRATOMO, Uji; NISHIYABU, Ryuhei; KUBO, Yuji
- 16:50–17:10 **2B6-48*** Development of nanostructured coacervates based on double hydrophilic block copolymers and the behavior of site-selective incorporation of functional nanoparticles (Grad. Sch. Eng., Kyushu Univ.) ○ KISHIMURA, Akihiro; NAOYAMA, Kenshiro; HAMADA, Yujiro; MORI, Takeshi; KATAYAMA, Yoshiki
- 17:20–17:30 **2B6-51** Preparation of ribbon-like mesoporous silica nanofibers by using crystals of various quaternary ammonium-type surfactants (Sch. Advanced Sci. Eng., Waseda Univ.; Kagami Memorial Research Inst. Materials Sci. Tech., Waseda Univ.) ○ OZAWA, Kota; YAMAMOTO, Eisuke; TSUMURA, Takuya; SHIMOJIMA, Atsushi; WADA, Hiroaki; KURODA, Kazuyuki

March 18th (Sat)

- 11:30–11:50 **3B6-16*** Island growth of monometallic colloidal nanostructures (RIKEN; RIES, Hokkaido Univ.; Dep. of Chem., Univ. of California) ○ WANG, Guoqing; IJIRO, Kuniharu; MAEDA, Mizuo; YIN, Yadong
- 11:50–12:00 **3B6-18** Comparative study on hygroscopic properties of nanodiamonds (Shinshu Univ., CEES) ○ PIÑA SALAZAR, Elda Zoraida; SAKAI, Toshio; KANEKO, Katsumi
- 12:00–12:10 **3B6-19** Soft-template assisted synthesis and purification of gold nanowires using a stimuli-responsive long-chain amidoamine derivative (Fac. Ind. Sci. Technol., TUS) ○ WANG, Yung-chen; KAWAI, Takeshi
- 13:20–14:20 **3B6-27 CSJ Award for Creative Works** Biocompatible Moist Electronic Devices (Grad. Sch. Eng., Tohoku Univ.) ○ NISHIZAWA, Matsuhiko
- 15:10–15:20 **3B6-38** Simultaneous measurements of rheology/small-angle light scattering on the lamellar phase of a nonionic surfactant and re-entrant lamellar/onion transition with varying temperature (Grad. Sch. Sci. Eng., TMU) SUZUKI, Kento; KAWABATA, Youhei; ○ KATO, Tadashi

[15. Materials Chemistry]

Room E1 (Fourth Building Independence Wing, [Dokuritsu-kan], D301)

March 16th (Thu)

- 09:10–09:30 **1E1-02*** Preparation and electrocatalytic performance of Pt nanocluster - polymer - carbon nanotube composite catalysts (Grad. Sch. Sci., Nagoya Univ.) ○ MURATSUGU, Satoshi; ICHIHASHI, Kentaro; MIYAMOTO, Shota; SAKAMOTO, Kana; TADA, Mizuki
- 09:40–09:50 **1E1-05** Formation of porphyrin dimers on single-walled carbon nanotubes and their photophysical properties (Grad. Sch. Eng., Kyoto Univ.; WPI-iCeMS, Kyoto Univ.) ○ BAEK, Jinseok; UMEYAMA, Tomokazu; IMAHORI, Hiroshi
- 10:20–10:40 **1E1-09*** Formation of Graphene Nanoribbon Mediated by Coordination Nanospaces (Grad. Sch. Eng., Kyoto Univ.) ○ MACLEAN, Michael W. A.; KITAO, Takashi; HONGU, Ryoto; UEMURA, Takashi; KITAGAWA, Susumu
- 14:30–14:50 **1E1-34*** Space accommodation for enhanced narrow-pressure range storage in flexible MOF (Air Liquide Labo.) ○ LAVENN, Christophe; GINET, Patrick; BONNEAU, Mickaele; BARBIER, Françoise; HOSONO, Nobuhiko; KUSAKA, Shinpei; SATO, Yohei; SEN, Susan; MATSUDA, Ryotaro; KITAGAWA, Susumu
- 15:40–16:20 **1E1-41 CSJ Award for Technical Development** Development of reaction-induced nano-phase separated epoxy resin for high-performance carbon fiber-reinforced plastics (Toray Industries, Inc.) HONDA, Shiro; ○ HIRANO, Noriyuki; TOMIOKA, Nobuyuki; FUJIWARA, Takayuki; SAKATA, Hiroaki
- 18:20–18:30 **1E1-57** Application to a Light-Harvesting Material of POSS Derivatives Having Radially-Integrated Luminophores (Grad. Sch. Eng., Kyoto Univ.) ○ SATO, Keita; GON, Masayuki; TANAKA, Kazuo; CHUJO, Yoshiki

March 17th (Fri)

- 11:00–11:20 **2E1-13*** Development of New Alloy Nanomaterials for Catalytic Applications on the Basis of DOS Engineering (Dep. Chem., Sch. Sci., Kyoto Univ.) ○ KUSADA, Kohei; WU, Dongshuang; YAMAMOTO, Tomokazu; MATSUMURA, Syo; KITAGAWA, Hiroshi
- 11:20–11:40 **2E1-15*** Crystal-structure control of PdRu solid-solution nanoalloys and catalytic performance in oxygen evolution reaction (Dep. Chem., Sch. Sci., Kyoto Univ.) ○ WU, Dongshuang; KUSADA, Kohei; YAMAMOTO, Tomokazu; MATSUMURA, Syo; KOYAMA, Michihisa; KITAGAWA, Hiroshi
- 11:40–12:00 **2E1-17*** Crystalline Graphdiyne Nanosheets Produced at Liquid Interfaces (Grad. Sch. Sci., The Univ. of Tokyo) ○ MATSUOKA, Ryota; SAKAMOTO, Ryota; NISHIHARA, Hiroshi
- 16:10–16:20 **2E1-44** Exfoliation of Hexagonal Boron Nitride Nanosheet with Chlorin e6 and Application of the Composite to Cancer Photodynamic Therapy (Grad. Sch. Human and Environ. Stud., Kyoto Univ.) ○ MARUYAMA, Kyouhei; KOMATSU, Naoki

March 18th (Sat)

- 09:00–09:20 **3E1-01*** Adhesive hydrogel systems utilizing polymer network structures. (Fac. Eng., Niigata Univ.) ○ TAMESUE, Shingo; YAMAUCHI, Takeshi
- 09:20–09:40 **3E1-03*** An anomalous photovoltaic effect in a surface-stabilized π -conjugated ferroelectric liquid crystal (Fac. Eng., Kagawa Univ.) ○ SEKI, Atsushi; FUNAHASHI, Masahiro

- 09:40–10:00 **3E1-05*** Nematic-to-Columnar Liquid Crystalline Phase Transformation by Supramolecularly Polymerizable Discotic Dopant (Grad. Sch. Eng., The Univ. of Tokyo) ○YANO, Keiichi; ITOH, Yoshimitsu; ARAOKA, Fumito; AIDA, Takuzo
- 10:40–11:10 **3E1-11 Young Scholar Lectures of CSJ** Precise Supramolecular Polymerization (RIKEN CEMS) ○MIYAJIMA, Daigo
- 11:20–11:40 **3E1-15*** 2D sp^2 -Carbon Covalent Organic Frameworks (Sch. Physical Sci., SOKENDAI) ○JIN, Enquan; DONGLIN, Jiang
- 11:40–12:00 **3E1-17*** 2D Covalent organic frameworks for CO₂ capture and separation (Sch. Physical Sci., SOKENDAI) ○ZHAI, Lipeng; JIANG, Donglin
- 12:00–12:20 **3E1-19*** High-Rate Proton Conduction in Crystalline and Porous Covalent Organic Frameworks (Sch. Physical Sci., SOKENDAI) ○TAO, Shanshan; XU, Hong; JIANG, Donglin
- 13:30–13:50 **3E1-28*** A Two-dimensional COF for All Solid State Lithium Ion Conductivity (Sch. Physical Sci., SOKENDAI) ○XU, Qing; JIANG, Donglin
- 13:50–14:10 **3E1-30*** Angstrom-level molecular discrimination in covalent organic frameworks (Sch. Physical Sci., SOKENDAI) ○WANG, Ping; JIANG, Donglin
- 14:10–14:30 **3E1-32*** Amplified Sensing of Volatile Amines by Highly Emissive Covalent Organic Frameworks (Sch. Mat. Sci., JAIST) ○DALAPATI, Sasanka; JIANG, Donglin
- 16:30–16:50 **3E1-46*** Proton conductivity of polymer electrolyte membrane prepared by poly(acrylic acid)-b-polystyrene coated silica and polycarbonate (Grad. Sch. Sci., Eng., Yamagata Univ.) ○SHITO, Keiji; TAKAHASHI, Yuki; MASUHARA, Akito; ARITA, Toshihiko
- 17:30–17:50 **3E1-52*** Creation of Functional Fiber Materials by Direct Electrospinning of Cyclodextrin (Fac. Textile Sci. Technol., Shinshu Univ.) ○YOSHIDA, Hiroaki; KIKUTA, Ken; SUGIYAMA, Yuji; KIDA, Toshiyuki
- 18:00–18:10 **3E1-55** Stuering hydrogel networks utilizing liner macromolecule and application to artificial muscle (Fac. Eng., Niigata Univ.) ○ENDO, Takuo; TAMESUE, Shingo; YAMAUCHI, Takesi

March 19th (Sun)

- 09:40–10:00 **4E1-05*** Wearing Noble Metals on Cu Nanotemplates: From Core-Shell Nanocrystals to 3D-Open Nanoframes toward Energy-Conversion Reactions (Inst. of Chem., Academia Sinica) ○KURO, Chun-hong
- 10:10–10:30 **4E1-08*** Coordination Polymers as Precursors for Helical Metal Sulfide (Fac. Sci., Hokkaido Univ.) ○HIRAI, Kenji; YEOM, Bongjun; SADA, Kazuki
- 10:30–10:50 **4E1-10*** Size selective synthesis and size dependency for CO oxidation reaction of tin oxide clusters containing divalent and tetravalent tin sites (Lab. Chem. Life Sci., Tokyo Tech.; ERATO, JST) ○INOMATA, Yusuke; ALBRECHT, Ken; YAMAMOTO, Kimihisa
- 11:50–12:00 **4E1-18** Preparation of Mesoporous Silica Nanoparticles with Closed Pores through Hydrothermal Treatment (Sch. Advanced Sci. Eng., Waseda Univ.) ○CHENG, Lulu; MORI, Seiya; YAMAMOTO, Eisuke; SHIMOJIMA, Atsushi; WADA, Hiroaki; KURODA, Kazuyuki
- 12:00–12:10 **4E1-19** Selective preparation of Janus-type colloidal mesoporous silica nanoparticles by using organoalkoxysilanes with aromatic groups (Sch. Advanced Sci. Eng., Waseda Univ.) ○ISHIKAWA, Yukino; YAMAMOTO, Eisuke; SHIMOJIMA, Atsushi; WADA, Hiroaki; KURODA, Kazuyuki
- 12:20–12:30 **4E1-21** Mesoporous Gold Film electrode for high performance non-enzymatic glucose detection (Grad. Sch. Advanced Sci. Eng., Waseda Univ.; MANA, NIMS) ○NUGRAHA, Asep; LI, Cuiling; YAMAUCHI, Yusuke; ASAHI, Toru

[16. Functions of Materials]

Room E7 (Fourth Building Independence Wing, [Dokuritsu-kan], D309)

March 16th (Thu)

- 09:20–09:30 **1E7-03** Bovine Serum Albumin Conjugated Nano-prodrugs and Their Anti-cancer Efficacy (IMRAM, Tohoku Univ.) ○TAEMAITREE, Farsai; KOSEKI, Yoshitaka; KASAI, Hitoshi
- 11:20–11:40 **1E7-15*** Polarization property of liquid crystal gratings fabricated by photopolymerization with moving light (Lab. Chem. Life Sci., Tokyo Tech.) ○AIZAWA, Miho; HISANO, Kyohei; SHISHIDO, Atsushi
- 12:10–12:30 **1E7-20*** Kamlet Taft parameter studies and COSMO-RS simulations for CST behaviors of ionic liquids (JAIST) ○GUPTA, Surabhi; VEDARAJAN, Raman; WATANABE, Masaki; ISHIKIRIYAMA, Mamoru; MATSUMI, Noriyoshi
- 13:40–14:40 **1E7-29 CSJ Award for Creative Works** Development of Highly Sensitive Photoresponsive Molecular Materials (Grad. Sch. Mat. Sci., NAIST) ○KAWAI, Tsuyoshi
- 16:00–16:20 **1E7-43*** Ultrafast internal conversion and S₁ state dynamics in the ring-opening reaction of a diarylethene derivative as revealed by time-resolved absorption and fluorescence spectroscopy (Grad. Sch. Eng. Sci., Osaka Univ.) ○SOTOME, Hikaru; UNE, Kanako; MIYASAKA, Hiroshi; KOBATAKE, Seiya; IRIE, Masahiro
- 17:50–18:00 **1E7-54** Synthesis and nanostructure studies of azobenzene/niobate hybrid nanoscrolls (Cent. Artificial Photosynthesis, TMU) ○HASSAN, Syed Zahid; NABETANI, Yu; UCHIKOSHI, Akino; MIYAJIMA, Souki; TACHIBANA, Hiroshi; INOUE, Haruo
- 18:30–18:40 **1E7-58** Fabrication of Cu-based delafossite Photocathodic p-Type Dye-Sensitized Solar Cells (Ins. of Chem., Academia Sinica; Ins. of Mater. Sci. Eng., Nat. Taipei Univ. of Tech.) ○ZHANG, Dai-ning; KUO, Chun-hong

March 17th (Fri)

- 10:40–10:50 **2E7-11** Helical naphthopyran dopant for photoresponsive cholesteric liquid crystal (RIES, Hokkaido Univ.) ○KIM, Yuna; FRIGOLI, Michel; VANTHUYNE, Nicolas; TAMAOKI, Nobuyuki
- 10:50–11:10 **2E7-12*** Dynamic Solid-State Materials with Tweezers-Like Molecular Scaffolds (Grad. Sch. Eng., The Univ. of Tokyo) ○SHIBUYA, Yoshiki; ITOH, Yoshimitsu; AIDA, Takuzo
- 11:20–11:50 **2E7-15 Young Scholar Lectures of CSJ** Rational Design of Highly Photoresponsive Molecular Orderings at 2-D Interface Based on Cooperative Self-Assembly (Grad. Sch. Eng., Kyoto Univ.) ○HIROSE, Takashi
- 13:30–13:50 **2E7-28*** Photochemical Property of Negative Photochromic Naphthalene-bridged Phenoxy-Imidazolyl Radical Complex (Coll. Sci. Eng., Aoyama Gakuin Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) ○MUTOH, Katsuya; KOBAYASHI, Yoichi; SOTOME, Hikaru; KOGA, Masafumi; MIYASAKA, Hiroshi; ABE, Jiro
- 14:40–14:50 **2E7-35** Photochemical behavior of Janus-faced Photochromic Molecules Composed of Negative and Positive Photochromic Moieties (Grad. Sch. Sci., Eng., Aoyama Gakuin Univ.) ○YONEKAWA, Izumi; MUTOH, Katsuya; KOBAYASHI, Yoichi; ABE, Jiro
- 15:00–15:10 **2E7-37** Stepwise Two-Photon Photochemical Reaction of a Bis(Phenoxy-Imidazolyl Radical Complex) (Grad. Sch. Sci., Eng., Aoyama Gakuin Univ.) ○TOSHIMITSU, Shota; MUTOH, Katsuya; KOBAYASHI, Yoichi; ABE, Jiro
- 15:20–15:40 **2E7-39*** Photo-switching of Circularly Polarized Luminescence Based on Photochromic Foldamer (Grad. Sch. Mat. Sci., NAIST) ○HASHIMOTO, Yuichiro; NAKASHIMA, Takuya; FUJIWARA, Kohei; YAMADA, Miku; YUASA, Junpei; KAWAI, Tsuyoshi

March 19th (Sun)

- 09:20–09:40 **4E7-03*** Multicolor fluorescence on/off switching of diarylethene nanoparticles accompanying photochromic reactions (Grad. Sch. Eng., Osaka City Univ.; Grad. Sch. Eng. Sci., Osaka Univ.) ○NAKAHAMA, Tatsumoto; KITAGAWA, Daichi; SOTOME, Hikaru; ITO, Syoji; MIYASAKA, Hiroshi; KOBATAKE, Seiya
- 14:00–14:20 **4E7-31*** Photon upconversion based on triplet sensitization using perovskite nano particles (Grad. Sch. Eng., Kyushu Univ.; CMS, Kyushu Univ.; PRESTO, JST) ○MASE, Kazuma; YANAI, Nobuhiro; KIMIZUKA, Nobuo
- 14:40–15:00 **4E7-35*** Microwave synthesis of light emitting metal complex (Minerva Light Lab.) ○MATSUMURA, Takeko; MASUDA, Yoshitaka; YAMASHIAT, Kazunori

[17. Applications of Materials]

Room E4 (Fourth Building Independence Wing, [Dokuritsu-kan], D306)

March 17th (Fri)

- 10:50–11:10 **2E4-12*** Preparation of fluorinated oligomer/silica nanocomposites-encapsulated poly(styrene-co-butadiene): Application of these composites to the surface modification (Grad. Sch. Sci. Tech., Hirosaki Univ.; Fujikura Composites) ○RATCHA, Arissara; TAKAHASHI, Rika; SAWADA, Hideo
- 14:30–14:40 **2E4-34** Synthesis of a phenothiazine-dibenzo-BODIPY conjugate applicable to dye-sensitized solar cells (Solar Energ. Inst., Ege Univ.; Grad. Sch. Urban Environmental Sci., TMU) ERTEN-ELA, Sule; ASABA, Takuro; ○KUBO, Yuji
- 17:00–17:10 **2E4-49** Synthesis and properties of liquid pyrazine dyes (Grad. Sch. Fac. Env. and Info. Sci., Yokohama Natl. Univ.) ○LEE, Jaeyoung; MATSUMOTO, Shinya

March 18th (Sat)

- 09:00–09:10 **3E4-01** Design of a graphene-based waveguide-integrated photonic gas sensor (Grad. Sch. Sci., The Univ. of Tokyo) ○CHENG, Zhenzhou; XIAO, Ting-hui; GODA, Keisuke
- 14:40–15:00 **3E4-35*** Development of Phosphorescent Janus-Dendrimer: Organoiridium(III) Complex Bearing Hole- and Electron-Transporting Dendrons (Grad. Sch. Eng., Osaka Pref. Univ.) ○OKAMURA, Naoki; MAEDA, Takeshi; YAGI, Shigeyuki
- 16:50–17:10 **3E4-48*** Development of New Pt/Rh/SnO₂ Nanoparticle Catalysts for Complete Ethanol Oxidation Reaction (Grad. Sch. Eng., Osaka Pref. Univ.; Grad. Sch. Eng., Osaka Pref. Univ.) ○MAI, Phuong Tu; CHIKU, Masanobu; HIGUCHI, Eiji; INOUE, Hiroshi
- 17:20–17:40 **3E4-51*** Porous materials and their applications in Li-sulfur batteries (RCMS, Nagoya Univ.) ○ZHANG, Zhongyue; WU, Yang; AWAGA, Kunio
- 18:10–18:20 **3E4-56** Electrochemical property of LiNi_xMn_{1-x}O₂ thin films fabricated using molecular precursor method (Kogakuin Univ.) ○SANO, Ryo; NAGAI, Hiroki; SATO, Mitsunobu

[18. Resources Utilization Chemistry]

There are no presentations in English.

[19. Energy and Related Chemistry, Geo and Space Chemistry]

Room A6 (Fourth Building, [A], J422)

March 16th (Thu)

- 13:40–14:00 **1A6-29*** Quantitative evaluation of ammonia photosynthesis using plasmon photoanode (RIES, Hokkaido Univ.) ○OSHIKIRI, Tomoya; UENO, Kosei; MISAWA, Hiroaki
- 14:00–14:20 **1A6-31*** Plasmon-induced photocurrent generation using coupling between localized surface plasmon resonance and cavity mode (RIES, Hokkaido Univ.) ○SHI, Xu; OSHIKIRI, Tomoya; UENO, Kosei; SASAKI, Keiji; MISAWA, Hiroaki
- 14:20–14:40 **1A6-33*** Synthesis of Porous Coordination Polymers bearing NADH Model Compounds (WPI-iCeMS, Kyoto Univ.) ○KAJIWARA, Takashi; KITAGAWA, Susumu
- 15:00–15:10 **1A6-37** Novel Thermo-electrochemical Cells based on Proton-conjugated Electron Transfer in Aqueous pH-responsive Polymers (Grad. Sch. Eng., Kyushu Univ.) ○GAO, Fan; KAKU, Honsui; YAMADA, Teppei; HOSHINO, Yu; KIMIZUKA, Nobuo; MIURA, Yoshiko
- 15:20–15:30 **1A6-39** Electric power generation method using fuel cells for low carbon emission (Kyushu Univ.) ○TACHIKAWA, Yuya; MATSUZAKI, Yoshio; KAWABATA, Yasuharu; TANIGUCHI, Shunsuke; SASAKI, Kazunari

March 17th (Fri)

- 09:00–09:20 **2A6-01*** Synthesis of a novel gold cluster-modified LDH nanosheet and its application to oxygen evolution reaction (I₂CNER, Kyushu Univ.) ○KITANO, Sho; SADAKEYO, Masaaki; YAMAUCHI, Miho
- 09:20–09:40 **2A6-03*** Development of a Polymer Electrolyte Alcohol Electrosynthesis Cell (PEAEC) Continuously Producing Alcohols from Carboxylic Acids (I₂CNER, Kyushu Univ.) ○SADAKEYO, Masaaki; CUI, Xuedong; HATA, Shinichi; YAMAUCHI, Miho
- 14:40–15:00 **2A6-35*** Fabrication and characterization of a robust octahedral Pt_{Nix}/C electrocatalyst with remarkable performance and durability for oxygen reduction reactions (Innovation Res. Ctr. for Fuel Cells, The Univ. of Electro-Communications) ○ZHAO, Xiao; TAKAO, Shinobu; HIGASHI, Kotaro; KANEKO, Takuma; SAMJESKE, Gabor; SEKIZAWA, Oki; SAKATA, Tomohiro; YOSHIDA, Yoshiki; URUGA, Tomoya; IWASAWA, Yasuhiro
- 15:00–15:20 **2A6-37*** Key factors for promotion of oxygen reduction reaction activity of Pt/C in PEFC studied by electrochemical and in situ time-resolved XAFS methods (Innovation Res. Ctr. for Fuel Cells, The Univ. of Electro-Communications) ○SAMJESKE, Gabor; HIGASHI, Kotaro; TAKAO, Shinobu; SEKIZAWA, Oki; KANEKO, Takuma; YOSHIDA, Yusuke; SAKATA, Tomohiro; URUGA, Tomoya; IWASAWA, Yasuhiro
- 16:00–16:20 **2A6-43*** Covalent Organic Framework-graft-Polysulfide: A Novel Cathode Material for High-Performance Lithium-Sulfur Batteries (RCMS, Nagoya Univ.) ○WU, Yang; ZHANG, Zhongyue; AWAGA, Kunio

March 18th (Sat)

- 09:10–09:30 **3A6-02*** Development of a hybrid photoelectrochemical cell consisting of molecular and semiconductor photocatalysts for visible-light-driven CO₂ reduction using water as a reductant (Sch. Sci., Tokyo Tech.) ○KUMAGAI, Hiromu; SAHARA, Go; MAEDA, Kazuhiko; HIGASHI, Masanobu; ABE, Ryu; ISHITANI, Osamu
- 09:40–09:50 **3A6-05** Photoelectrochemical Visible Light Zero Bias Hydrogen Generation with Membrane-Based Cells Designed for Decreasing Overall Water Electrolysis Voltage and Water Dissociation (14) (Chem. Course, Dep. Chem. & Biochem., Fukushima College, NIT) MATSUDA, Honoka; USUI, Sayuri; SAKASHITA, Wakana; KATO, Ryoko; ENDO, Haruka; SATO, Masataka; ○SAKAMAKI, Kenji
- 09:50–10:00 **3A6-06** Visible light-induced water splitting with rhodanine containing dibenzo-BODIPY (Grad. Sch. Urban Environmental Sci., TMU; ReHES; Nippon Kayaku Co. Ltd.) ○SURYANI, Okta; HIGASHINO, Yuta; MULYANA, Yan Jacob; KUBO, Yuji; SHIGAKI, Koichiro; KANEKO, Masayoshi
- 10:20–10:30 **3A6-09** Plasmon-induced photocurrent generation using a photoelectrode composed of gold nanoparticles loaded inverse TiO₂ photonic crystals (RIES, Hokkaido Univ.) ○YANG, Xiaolong; SHI, Xu; OSHIKIRI, Tomoya; UENO, Kosei; GAO, Shuyan; MISAWA, Hiroaki
- 10:30–10:50 **3A6-10*** Silicon porphyrins for electrochemical water activation (Cent. Artificial Photosynthesis, TMU) ○REMELLO, Sebastian Nybin; KUTTASSERY, Fazalurahman; HIRANO, Takehiro; YAMAMOTO, Daisuke; ONUKI, Satomi; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 10:50–11:10 **3A6-12*** Quantum dot size dependent photovoltaic characteristics of PbS quantum dot/ZnO nanowire solar cells (RCAST, The Univ. of Tokyo; Grad. Sch. Arts and Sci., The Univ. of Tokyo) ○WANG, Haibin; NAKAZAKI, Jotaro; KUBO, Takaya; SEGAWA, Hiroshi
- 14:50–15:00 **3A6-36** Deep blue asymmetrical dyes: counterion-specific adsorption and integration in dye-sensitized solar cells (Grad. Sch. Sci., Osaka Pref. Univ.) ○HARLE, Jean-baptiste; FUJIWARA, Hideki; NGUYEN, Van Tay; MAEDA, Takeshi; NAKAZUMI, Hiroyuki
- 16:10–16:30 **3A6-44*** Cobalt Oxide (CoO_x) as an Efficient Hole-extracting Layer for High performance Inverted Planar Perovskite Solar Cells (RIES, Hokkaido Univ.) ○SHALAN, Ahmed Esmail; OSHIKIRI, Tomoya; NARRA, Sudhakar; ELSHANAWANY, Mahmoud M.; UENO, Kosei; WU, Hui-ping; NAKAMURA, Keisuke; SHI, Xu; DIAU, Eric Wei-guang; MISAWA, Hiroaki

- 17:30–17:40 **3A6-52** Two-Dimensionally Expanded Hole-Transporting Materials Based on Azulene Core for Efficient Perovskite Solar Cells: Effects of Lengths of Alkoxy Chains (ICR, Kyoto Univ.) ○LEE, Jaehyun; JUNG, Mina; OZAKI, Masashi; SHIMAZAKI, Ai; NISHIMURA, Hidetaka; WAKAMIYA, Atsushi; MURATA, Yasujiro
- 17:40–17:50 **3A6-53** Development of Light Transmissive Photovoltaic Solar Cell for Greenhouse Application (ICR, Kyoto Univ.) ○JUNG, Mina; OZAKI, Masashi; SHIMAZAKI, Ai; NAKAMURA, Tomoya; YAKUMARU, Shinya; WAKAMIYA, Atsushi; MURATA, Yasujiro
- 18:10–18:30 **3A6-56*** Substituent impact on the open-circuit voltage in organic solar cells prepared through a photoprecursor approach (Grad. Sch. Mat. Sci., NAIST) ○SUZUKI, Mitsuharu; TERAJ, Kengo; ARATANI, Naoki; YAMADA, Hiroko

[20. Environmental and Green Chemistry]

Room A5 (Fourth Building, [A], J421)

March 16th (Thu)

- 13:50–14:10 **1A5-30*** Distribution and spatial studies on pesticide residues in marine samples from Seto Inland Sea, Japan. (Graduate School of Biosphere Science) ○ABDEL-DAYEM, Sherif; CHIDYA, Russel; TAKEDA, Kazuhiko; SAKUGAWA, Hiroshi
- 14:10–14:20 **1A5-32** Evaluation of hydrolysis rates of hexafluoropropylene oxide (HFPO) by use of a closed-circulation reactor (AIST) ○KUTSUNA, Shuzo
- 14:40–14:50 **1A5-35** Synthesis of Quinazolinones via Cyclocondensation of β -Diketones with 2-Aminobenzamide by Solid Acid Catalyst (Sch. Mat. Sci., JAIST) ○YIN, Hongrong; NISHIMURA, Shun; EBITANI, Kohki
- 16:10–16:20 **1A5-44** Determination of Asbestos in Construction Materials Scattered by Kumamoto Earthquake and its Safety Treatment (Grad. Sch. Sci. Eng., Saga Univ.) ○TABATA, Masaaki; SHONO, Akifumi
- 16:30–16:40 **1A5-46** Prediction of ESI Vaporization Kinetics of Pesticide Transformation Products in Water Environments (Grad. Sch. Sci., Eng., Kagoshima Univ.) ○UEDA, Takehiko; TAKANASHI, Hirokazu; KADOKAWA, Jun-ichi

March 17th (Fri)

- 13:50–14:10 **2A5-30*** Earth-abundant aluminum porphyrins as molecular catalyst for water oxidation (Cent. Artificial Photosynthesis, TMU) ○KUTTASSERY, Fazalurahman; MATHEW, Siby; YAMAMOTO, Daisuke; ONUKI, Satomi; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 16:30–16:50 **2A5-46*** CO₂ Capture Using Amine Functionalized Ionic Liquids (Chemical Research Group, RITE) ○CHOWDHURY, Firoz Alam; KATO, Tsuguhiro

[21. Theoretical Chemistry, Chemoinformatics, and Computational Chemistry]

Room A7 (Fourth Building, [A], J423)

March 16th (Thu)

- 09:40–10:00 **1A7-05*** Density matrix renormalization group on the MOLCAS program package: Implementation and practical applications (Grad. Sch. Sci. Eng., TMU) ○NAKATANI, Naoki
- 11:50–12:10 **1A7-18*** Theoretical study on the non-statistical $F1/F2$ rotational fine-structure level distributions of CN fragments derived from A-band ICN photodissociation (Fac. Sci. Tech., Keio Univ.) ○KASHIMURA, Tatsuhiko; IKEZAKI, Tomoya; OHTA, Yusuke; YABUSHITA, Satoshi
- 13:30–13:50 **1A7-28*** Development and applications of integral equation theory for excited state calculation in solution (WPI-ITbM, Nagoya Univ.) ○DAISUKE, Yokogawa; NAOTO, Inai; KAYO, Suda; IRLE, Stephan
- 13:50–14:10 **1A7-30*** Theoretical study on the effect of applying external static electric field on nonlinear optical properties of π -stacking radical multimers (Sch. Eng. Sci., Osaka Univ.) ○MATSUI, Hiroshi; WATANABE, Koki; NAGAMI, Takanori; TAKAMUKU, Shota; KITAGAWA, Yasutaka; NAKANO, Masayoshi
- 14:10–14:30 **1A7-32*** Theoretical study on the electronic structures and stability of metal encapsulated C₈₀ fullerenes (Grad. Sch. Sci. Eng., TMU) ○VELLOTH, Archana; IMAMURA, Yutaka; KODAMA, Takeshi; HADA, Masahiko
- 14:40–15:00 **1A7-35*** Quantum chemical investigation of the mechanism of ion conduction in covalent organic frameworks (Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.; Sch. Mat. Sci., JAIST) ○HAYASHI, Taku; HIJIKATA, Yuh; JIANG, Donglin; IRLE, Stephan
- 16:10–16:30 **1A7-44*** Finding the key to determine the luminescent characteristics from the database of the quenching pathways of lanthanide luminescent materials (Fac. Sci. Eng., Kindai Univ.; PRESTO, JST) ○HATANAKA, Miho

March 17th (Fri)

- 14:10–14:30 **2A7-32*** An active site opening mechanism in ion pair of (pyridylamide)Hf(IV) catalyst: An associative mechanism (Grad. Sch. Info. Sci., Nagoya Univ.) ○MATSUMOTO, Kentaro; KARAKKADPARAMBIL SANKARAN, Sandhya; TAKAYANAGI, Masayoshi; KOGA, Nobuaki; NAGAOKA, Masataka

- 14:30–14:50 **2A7-34*** Linear-scaling quantum mechanical molecular dynamics simulations with divide-and-conquer density-functional tight-binding method (RISE, Waseda Univ.) ○NISHIMURA, Yoshifumi; SAKTI, Aditya Wibawa; NAKAI, Hiromi
- 16:40–17:00 **2A7-47*** Creating a Technetium-like alloy by DOS engineering: A DFT study (IFRC, Kyushu Univ.) ○ XIE, Wei; ISHIMOTO, Takayoshi; KOYAMA, Michihisa

[22. Organic Crystals]

Room C5 (Fourth Building, [B], J21)

March 17th (Fri)

- 10:00–10:20 **2C5-07*** Figuration of hydrogen-bonded porous organic frameworks based on triphenylene and its aza-derivatives (Grad. Sch. Eng., Osaka Univ.) ○HISAKI, Ichiro; IKENAKA, Nobuaki; TOHNAI, Norimitsu
- 10:30–10:50 **2C5-10*** Vapor Deposition of Molecular Porous Crystal Featuring C-H · · · N Bonding (Fac. Eng., The Univ. of Tokyo) ○YAMAGISHI, Hiroshi; AIDA, Takuzo
- 10:50–11:10 **2C5-12*** Molecular Design of Biradical Molecules Containing Localized Spin Center and Their Magnetic Interaction through Non-conjugated Framework (Fac. Sci. Tech., Keio Univ.) ○TAKAHASHI, Yusuke; NARUMI, Yusuke; MIURA, Youhei; YOSHIOKA, Naoki
- 11:10–11:30 **2C5-14*** Chiral Crystallization of Achiral Benzophenone Derivatives and Its Chirality Generation During Crystal Phase Transition (Fac. Sci., TUS) ○MATSUMOTO, Arimasa; KINO, Yoshimi; YOSHIOKA, Tokio; TSUCHIYA, Sumeru; SOAI, Kenso

Advanced Technology Program (ATP) (oral and poster)

[Chemistry for Energy Innovation]

Room D1 (Fourth Building Independence Wing, [Dokuritsu-kan], DB201)

March 18th (Sat)

- 14:50–15:20 **3D1-36 ATP Invited Lecture** Application of Transparent Carbon Nanotubes Electrodes in Organic and Perovskite Solar Cells (Grad. Sch. Eng., The Univ. of Tokyo) ○JEON, Il; KAUPPINEN, Esko; MARUYAMA, Shigeo; MATSUO, Yutaka



notes

Asian International Symposium (organized by CSJ divisions)

9 Categories

[International Symposium on Molecular Science - Physical Chemistry / Theoretical Chemistry, Chemoinformatics, Computational Chemistry - Cosponsored by Japan Society for Molecular Science]

Room B1 (Fourth Building, [A], J441)

March 18th (Sat)

- 09:00–09:10 **3B1-01** Opening Remarks
- 09:10–09:50 **3B1-02 Keynote Lecture** Binding, dynamics and function of membrane proteins by infrared spectroscopy (Universitat de Valencia) ○LORENZ-FONFRIA, Victor
- 09:50–10:10 **3B1-06 Invited Lecture** Nanoscale visualization of membrane proteins by high-speed atomic force microscopy (Kanazawa Univ.) ○Shibata, Mikihiro
- 10:10–10:30 **3B1-08 Invited Lecture** Electrophysiological studies of voltage sensing proteins (Osaka Univ.) ○Kawanabe, Akira
- 10:40–11:20 **3B1-11 Keynote Lecture** Confinement and crowding effects on Chromatins (DNAs): simulation studies using coarse-grained models (Ewha Womans Univ.) ○KIM, Jun Soo
- 11:20–11:40 **3B1-15 Invited Lecture** Drug extrusion mechanism of the multidrug transporter AcrB studied by molecular dynamics simulation (RIKEN) ○MATSUNAGA, Yasuhiro
- 11:40–12:00 **3B1-17 Invited Lecture** Molecular dynamics simulations for creation and disruption of amyloid fibrils (Institute for Molecular Science) ○OKUMURA, Hisashi
- 13:00–13:40 **3B1-25 Keynote Lecture** Towards controlling of Li_2O_2 structures for improvement of charging overpotential in lithium-oxygen batteries (Korea Advanced Institute of Science and Technology) ○BYON, Hye Ryung
- 13:40–14:00 **3B1-29 Invited Lecture** Reaction Mechanism at Interface in Electrochemical Energy Conversion (Ritsumeikan Univ.) ○ORIKASA, Yuki
- 14:00–14:20 **3B1-31 Invited Lecture** In-situ observation of potential-dependent restructuring behavior of ionic liquid/electrode interfaces: A surface-enhanced infrared study (Nagoya Institute of Technology) ○MOTOBAYASHI, Kenta
- 14:30–15:10 **3B1-34 Keynote Lecture** Structure, Solutes, and Surfaces in Ionic Liquids (University of Newcastle) ○Atkin, Rob
- 15:10–15:30 **3B1-38 Invited Lecture** Extremely biocompatible cellulose solvents What is the key structure of ionic liquids to satisfy both low toxicity and cellulose dissolution ability? (Kanazawa Univ.) ○Kuroda, Kosuke; Miyamura, Kyohei; Satria, Heri; Tsuge, Yota; Ninomiya, Kazuaki; Takahashi, Kenji
- 15:30–15:50 **3B1-40 Invited Lecture** Categorizing Molten Salt Complexes as Ionic Liquids and Their Applications to Battery Electrolytes (Yamaguchi Univ.) ○Ueno, Kazuhide
- 16:00–16:40 **3B1-43 Keynote Lecture** X-ray spectroscopy of metal nanoclusters and nanoparticles (Dalhousie University) ○Zhang, Peng
- 16:40–17:00 **3B1-47 Invited Lecture** Synthesis of Metal Encapsulating Silico-polyhedron M@Si_{16} based on Gas-phase Synthetic Approach (Keio Univ.) ○Tsunoyama, Hironori; Shibuta, Masahiro; Iwasa, Takeshi; Mizuhata, Yoshiyuki; Tokitoh, Norihiro; Nakajima, Atsushi
- 17:00–17:20 **3B1-49 Invited Lecture** Synthesis and structural study of metal cluster compounds (Hokkaido Univ.) ○Shichibu, Yukatsu
- 17:20–17:30 **3B1-51** Closing Remarks

[Asian International Symposium -Photochemistry-]

Room E7 (Fourth Building Independence Wing, [Dokuritsu-kan], D309)

March 18th (Sat)

- 13:10–13:20 **3E7-26** Opening Remarks (NAIST) ○Kawai, Tsuyoshi
- 13:20–13:50 **3E7-27 Keynote Lecture** Physicochemical Properties of Molecular Photoswitches under Confinement (Weizmann Institute of Science) ○Klajn, Rafal
- 13:50–14:10 **3E7-30 Invited Lecture** Extraction of Unique Emission and Absorption Characteristics by Stabilization of Triplet Excitons (Tokyo Tech) ○Hirata, Shuzo
- 14:10–14:30 **3E7-32 Invited Lecture** Fast Photochromic Reactions with Stepwise Two-Photon Absorption Processes (Aoyama Univ.) ○Kobayashi, Yoichi
- 14:40–15:10 **3E7-35 Keynote Lecture** Soluble and Stable Acene Based Molecules and Materials (National University of Singapore) ○Chi, Chunyan
- 15:10–15:30 **3E7-38 Invited Lecture** Flexible Fluorophore and Photoactive Soft Materials (Kyoto Univ.) ○Saito, Shohei

- 15:30–15:50 **3E7-40 Invited Lecture** From Nanographenes to Molecular Graphites (NAIST) ○Aratani, Naoki
 16:00–16:30 **3E7-43 Keynote Lecture** Strategies to Reduce the Rate of Charge Recombination (IISER-TVM) ○ Hariharan, Mahesh
 16:30–16:50 **3E7-46 Invited Lecture** Electrochemically triggered modulation of emission and coloration using fluoran derivatives (Chiba Univ.) ○Nakamura, Kazuki
 16:50–17:10 **3E7-48 Invited Lecture** Directed Self-Assembly of Quantum Dots (NAIST) ○Nakashima, Takuya
 17:10–17:20 **3E7-50 Closing Remarks** (Osaka Univ.) ○Miyasaka, Hiroshi

[Asian International Symposium -Inorganic Chemistry and Radiochemistry-]

Room G1 (Sixth Building, J612)

March 18th (Sat)

- 13:00–13:10 **3G1-25** Opening Remarks (Kyoto Univ.) ○Tanaka, Katsuhisa
 13:10–13:40 **3G1-26 Keynote Lecture** Engineering stimulated emission with hyperbolic metamaterials (Purdue Univ.) ○Meng, Xiangeng
 13:40–14:00 **3G1-29 Invited Lecture** Catalytic ammonia decomposition over BaTiO₃-xHx-supported Ru catalysts (Kyoto Univ.) ○Tang, Ya; Kobayashi, Yoji; Tassel, Cedric; Yamamoto, Takafumi; Kageyama, Hiroshi
 14:00–14:20 **3G1-31 Invited Lecture** Borophosphonate cages as element-blocks: ab initio study of simple [HPO₃BH]₄ and synthesis of two novel polymerizable borophosphonate cages (Waseda Univ.) ○Zapico, Julian; Tanaka, Kazuyoshi; Sugahara, Yoshiyuki
 14:30–15:00 **3G1-34 Keynote Lecture** Strong Light-Matter Interactions in Atomically Thin Films (National Taiwan Univ.) ○Li, Shao-Sian
 15:00–15:20 **3G1-37 Invited Lecture** The Assembly of Fullerene Nanostructures and Their Properties (NIMS) ○ Zheng, Shushu; Lu, Xing; Osada, Minoru; Tsukagoshi, Kazuhito
 15:20–15:40 **3G1-39 Invited Lecture** Syntheses and Applications of Surface-Functionalized Monolayers through Exfoliation of Layered Composites (Keio Univ.) ○Oaki, Yuya
 15:50–16:20 **3G1-42 Keynote Lecture** Actinide Polyrotaxanes: From Hydrothermal Synthesis to Structural Regulation (Institute of High Energy Physics) ○Shi, Weiqun
 16:20–16:40 **3G1-45 Invited Lecture** Separation mechanism of Am(III) from Eu(III) based on chemical bonding (JAEA) ○Kaneko, Masashi
 16:40–17:00 **3G1-47 Invited Lecture** Extraction and precipitation experiments of element 104, Rf (Osaka Univ.) ○Kasamatsu, Yoshitaka
 17:00–17:20 **3G1-49 Invited Lecture** Measurement of the first ionization potential of lawrencium (Lr, Z = 103) (RIKEN) ○Sato, Nozomi
 17:20–17:30 **3G1-51** Closing Remarks

[Asian International Symposium -Coordination Chemistry, Organometallic Chemistry-]

Room G2 (Sixth Building, 614)

March 17th (Fri)

- 13:00–13:30 **2G2-25 Keynote Lecture** Coordination Controllable Single-Molecule Magnets with Enhanced Anisotropic Energy Barrier (Xi'an Jiaotong University) ○Zheng, Yan-Zhen
 13:30–13:50 **2G2-28 Invited Lecture** Controlled Assembly of Conducting Polymer Chains in MOFs (Kyoto Univ.) ○Uemura, Takashi
 13:50–14:10 **2G2-30 Invited Lecture** Surface Coordination and Catalysis with Metal Complexes (Nagoya Univ.) ○Tada, Mizuki
 14:10–14:30 **2G2-32 Invited Lecture** Tuneable Photoactivation of Hybrid Polyoxometalates Through Orbital Engineering (Tsukuba Univ.) ○Cameron, Jamie M.
 14:40–15:10 **2G2-35 Keynote Lecture** Catalytic Alkane Functionalizations and Related Reactions (Shanghai Institute of Organic Chemistry) ○Huang, Zheng
 15:10–15:30 **2G2-38 Invited Lecture** Synthesis, Structure, and Catalysis of Newly Designed Palladium Complexes Having a Heavier Group 13 Metalloligand (Tokyo Tech) ○Takaya, Jun
 15:30–15:50 **2G2-40 Invited Lecture** Catalyst Design for Polar Monomer Copolymerization (Univ. Tokyo) ○ Shingo, Ito
 16:00–16:20 **2G2-43 Invited Lecture** Artificial metalloenzyme using cupin protein as metal-binding platform (Osaka Univ.) ○Fujieda, Nobutaka
 16:20–16:40 **2G2-45 Invited Lecture** Hemoprotein engineered with unnatural cofactors toward artificial metalloenzymes (Osaka Univ. ; JST) ○Oohora, Koji
 16:40–17:00 **2G2-47 Invited Lecture** Iron Complexes of a Quadruply Fused Porphyrin: Synthesis, Structure and Redox Properties (Tsukuba Univ.) ○Ishizuka, Tomoya; Komamura, Keiyu; Saegusa, Yuta; Kojima, Takahiko

[Asian International Symposium -Organic and Green Chemistry-]

Room D3 (Fourth Building Independence Wing, [Dokuritsu-kan], D201)

March 18th (Sat)

- 13:00–13:10 **3D3-25** Opening Remarks (Gakushuin Univ.) ○Akiyama, Takahiko
13:10–13:40 **3D3-26 Keynote Lecture** Dual-Catalytic Asymmetric Radical Functionalization of Alkenes (South University of Science and Technology of China) ○Liu, Xin-Yuan
13:40–14:00 **3D3-29 Invited Lecture** Development of Extremely Active Nucleophilic Catalyst for Enantioselective Transformations (Okayama Univ.) ○Mandai, Hiroki
14:00–14:30 **3D3-31 Keynote Lecture** Prins Cyclization in Natural Product Synthesis (Shanghai Institute of Organic Chemistry) ○Li, Ang
14:40–15:10 **3D3-35 Keynote Lecture** Aza-heteroaromatic Zwitterions as the New Reactants of Cycloaddition Reactions (Kangwon National University) ○Yoo, Eun Jeong
15:10–15:30 **3D3-38 Invited Lecture** Asymmetric Copper Catalysis with Phenol-Carbene Chiral Ligands (Hokkaido Univ.) ○Ohmiya, Hirohisa
15:30–15:50 **3D3-40 Invited Lecture** A Study on Synthetic Transformations Exploiting Light as the Energy Source (Kyoto Univ.) ○Ishida, Naoki
16:00–16:30 **3D3-43 Keynote Lecture** Carbene Organic Catalysis: Toward New Activation Modes and Rapid Synthesis of Functional Molecules (Nanyang Technological University) ○Chi, Yonggui Robin
16:30–16:50 **3D3-46 Invited Lecture** Development and Application of Nucleophilic Addition to Amides (Keio Univ.) ○Sato, Takaaki
16:50–17:10 **3D3-48 Invited Lecture** Fine Design of Photoredox Systems for Catalytic Fluoromethylation (Tokyo Tech) ○Koike, Takashi
17:10–17:20 **3D3-50** Closing Remarks (Institute for Molecular Science) ○Uozumi, Yasuhiro

[Asian International Symposium -Natural Products Chemistry, Chemical Biology/ Biofunctional Chemistry and Biotechnology-]

Room C4 (Fourth Building, [B], J19)

March 18th (Sat)

- 13:00–13:10 **3C4-25 Remarks** Resent biosynthetic study of natural products (Tokyo Tech.) ○Kudo, Fumitaka
13:10–13:30 **3C4-26 Invited Lecture** Reconstitution of biosynthetic machinery of fungal secondary metabolites. (Hokkaido Univ.) ○Minami, Atsushi
13:30–14:00 **3C4-28 Keynote Lecture** Biosynthesis of fungal indole alkaloids. (Academia Sinica) ○Hsiao-Ching, Lin
14:00–14:20 **3C4-31 Invited Lecture** In vitro biosynthetic system for peptides with diverse modified backbones. (The Univ. of Tokyo) ○Goto, Yuki
14:30–14:50 **3C4-34 Invited Lecture** Post-translational prenylation of tryptophan. (The Univ. of Tokyo) ○Okada, Masahiro
14:50–15:20 **3C4-36 Keynote Lecture** Marine-derived bioactive natural products and novel biomaterials. (De La Salle Univ.) ○Rafael Attilo, Espiritu
15:20–15:40 **3C4-39 Invited Lecture** Nanopore sensing with stable lipid bilayers integrated in microdevices. (Tokyo Univ. of Agri. and Tech.) ○Kawano, Ryuji
15:40–16:00 **3C4-41 Invited Lecture** Design of synthetic polymer nanoparticles that function as molecular chaperones. (Kyushu Univ.) ○Hoshino, Yu
16:10–16:40 **3C4-44 Keynote Lecture** Water dehydration mediated underwater adhesion. (Pohang Univ. of Sci. and Tech.) ○Dong Soo, Hwang
16:40–17:00 **3C4-47 Invited Lecture** Hybrid fluorescence-Raman imaging to correlate biochemical information to protein expression. (The Univ. of Tokyo) ○Liang-da, Chiu
17:00–17:30 **3C4-49 Keynote Lecture** Smart nanoplatfoms for bioanalytics and disease theranostics. (National Chiao-Tung University) ○Hsin-Yun, Hsu
17:30–17:40 **3C4-52** Closing remarks. (Univ. of Tsukuba) ○Kojima, Takahiko

[Asian International Symposium -Polymer-]

Room A2 (Fourth Building, [A], J414)

March 18th (Sat)

- 13:00–13:20 **3A2-25 Invited Lecture** New Synthetic Approach for Optically Active Polymer via Asymmetric Polymerization (Osaka Univ.) ○Kanbayashi, Naoya
13:20–13:40 **3A2-27 Invited Lecture** Preparation of Multi-functional Hydrogels and Thin Films Using Poly(trimethylene carbonate) Bearing Oligoethylene Glycol Units (NAIST) ○Ajiro, Hiroharu
13:40–14:00 **3A2-29 Invited Lecture** Bio-based Wrinkled Surfaces Harnessed from Biological Design Principle of Wood (Tottori Univ.) ○Izawa, Hironori

- 14:00–14:30 **3A2-31 Keynote Lecture** Isolation and Functionalization of Nanocellulose from Lignocellulosic Fibres for Environmental Remediation and Sensor Applications (Universiti Kebangsaan Malaysia) ○Chin-Hua, CHIA
- 14:40–15:00 **3A2-35 Invited Lecture** New Insights into Spider Dragline Spinning (RIKEN) ○Numata, Keiji
- 15:00–15:20 **3A2-37 Invited Lecture** Role of Helicity of Metallosupramolecular Polymers on DNA Binding and Cytotoxicity (NIMS) ○Rana, Utpal
- 15:20–15:50 **3A2-39 Keynote Lecture** Keratin/chitosan UV-crosslinked Composite Induced Human Adipose Derived Stem Cells (hASCs) toward Osteogenesis (National Taiwan Univ.) ○Jiashing, Yu
- 16:00–16:20 **3A2-43 Invited Lecture** Development of Amphiphilic Incompletely Condensed Polyhedral Oligomeric Silsesquioxane Materials (KIT) ○Imoto, Hiroaki
- 16:20–16:40 **3A2-45 Invited Lecture** Controlled Radical Polymerization in Photo-curing toward Unique Graded Nanostructures (Waseda Univ.) ○Suga, Takeo
- 16:40–17:00 **3A2-47 Invited Lecture** Salt-responsive Hydration State and Interaction of Zwitterionic Sulfobetaine-based Polymer Brushes (Kyushu Univ.) ○Higaki, Yuji
- 17:00–17:30 **3A2-49 Keynote Lecture** Genetically Encoded Protein Chemistry: From Chemical Toolbox to Bioactive Materials (Peking Univ.) ○Wen-Bin, Zhang

[Asian International Symposium -Colloid and Surface Chemistry-]

Room B4 (Fourth Building, [A], J444)

March 17th (Fri)

- 13:00–13:30 **2B4-25 Keynote Lecture** Development of Lipid Bilayer Platforms for Performing Various Separation Processes to Purify Cell Membrane Bound Species (National Taiwan Univ.) ○Ling, Chao
- 13:30–13:50 **2B4-28 Invited Lecture** Self-Aggregation Properties of Diversely Functionalized Cationic Gemini Surfactants Containing Different Headgroups, Spacer and Alkyl Chain Lengths (TUS) ○Avinash, Bhadani
- 13:50–14:10 **2B4-30 Invited Lecture** Specific ion effects on counterion binding in surfactant adsorbed films studied through total reflection XAFS (Kyushu Univ.) ○Imai, Yosuke
- 14:10–14:30 **2B4-32 Invited Lecture** Scattering and spectroscopic study on the hydration and phase behavior of surfactant solutions (Lion corp.) ○Ogura, Taku
- 14:30–14:50 **2B4-34 Invited Lecture** Composition and Temperature Sensitive Conducting Viscoelastic Gel (NIMS) ○Rekha, G. Shrestha
- 15:10–15:40 **2B4-38 Keynote Lecture** Photoswitchable sugar surfactants: controlling self-assembly with light (Monash Univ.) ○Rico, Tabor
- 15:40–16:00 **2B4-41 Invited Lecture** Control of molecular machines at the interface (NIMS) ○Nakanishi, Waka
- 16:00–16:20 **2B4-43 Invited Lecture** Electrochromic Characteristics of a Three-Dimensional Nickel-Borate Thin Film (TUS) ○Ke-Hsuan, Wang
- 16:20–16:40 **2B4-45 Invited Lecture** Synthesis of sugar-derived hierarchical porous carbons and their potential applications (AIST) ○Kubo, Shiori
- 16:40–17:00 **2B4-47 Invited Lecture** Fabrication of Zinc Oxide Single Crystal Particles Using Amphiphiles (Chiba Inst. of Tech.) ○Shibata, Hirobumi

[Asian International Symposium -Organic Crystals-]

Room C5 (Fourth Building, [B], J21)

March 17th (Fri)

- 13:30–14:00 **2C5-28 Keynote Lecture** Quinoid-Type Optoelectronic Materials (Chinese Academy of Science) ○ Xiaozhang, Zhu
- 14:00–14:20 **2C5-31 Invited Lecture** Current-Induced Mutual Structural & Conductivity Change along Orthogonal Crystal Axes in an Ion-Radical Salt of Cyclophane-Type Donor (Nagoya Univ.) ○M. Matsushita, Michio
- 14:20–14:40 **2C5-33 Invited Lecture** Chiral Organic Salt-Based Supramolecular Hosts for Enantioselective Inclusion of Neutral Guest Compounds (Saitama Univ.) ○Kodama, Koichi
- 14:50–15:20 **2C5-36 Keynote Lecture** Mechanically Responsive Dynamic Molecular Crystals (Indian Institute of Science Education and Research) ○Chilla Malla, Reddy
- 15:20–15:40 **2C5-39 Invited Lecture** Development of an Organic Crystalline Material with Desired Functionality: Screening Approach (Hokkaido Univ.) ○Seki, Tomohiro
- 15:40–16:00 **2C5-41 Invited Lecture** Photomechanical Performance of Diarylethene Single Crystals (Rikkyo Univ.) ○Morimoto, Masakazu
- 16:10–16:30 **2C5-44 Invited Lecture** Porous Crystals as a Template of Network Polymers (Hokkaido Univ.) ○ Kokado, Kenta
- 16:30–16:50 **2C5-46 Invited Lecture** Auto-Oscillatory Flipping Motion of Azobenzene Containing Organic Co-crystal under Continuous Light Irradiation (Hokkaido Univ.) ○Kageyama, Yoshiyuki
- 16:50–17:10 **2C5-48 Invited Lecture** Dynamics of Evaporative Crystallization Probed by Fluorescence Color Changes (Shinshu Univ.) ○Ito, Fuyuki

CSJ Award Presentations

Room SA (Sixth Building, 613)

March 16th (Thu)

- 11:00–12:00 **1SA-01 CSJ Award Presentation** Creation of Organic Inorganic Hybrid Perovskite Solar Cell and Its High Efficiency Development (Grad. Sch. Eng., Toin Univ. of Yokohama) ○MIYASAKA, Tsutomu
13:00–14:00 **1SA-02 CSJ Award Presentation** Creation of Novel Molecular Spectroscopy in Electronic Vibrational Transition-Basic Studies, Development of Instruments, and Application to Chemistry (Sch. Sci. Tech., Kwansai Gakuin Univ.) ○OZAKI, Yukihiro
14:30–15:30 **1SA-03 CSJ Award Presentation** Development and Progress of Interdisciplinary Chemistry Based on Integration of Liquid Crystals and Conjugated Polymers (Grad. Sch. Eng., Kyoto Univ.) ○AKAGI, Kazuo
16:00–17:00 **1SA-04 CSJ Award Presentation** Development of a New Methodology for Bond Activation and its Application to New Catalytic Reactions (Grad. Sch. Eng., Osaka Univ.) ○CHATANI, Naoto

Room SB (Sixth Building, 623)

March 17th (Fri)

- 11:00–12:00 **2SB-01 CSJ Award Presentation** Construction, Fusion, and Functionalization of Liquid Crystals and Supramolecular Assemblies (Grad. Sch. Eng., The Univ. of Tokyo) ○KATO, Takashi

Room SA (Sixth Building, 613)

March 18th (Sat)

- 11:00–12:00 **3SA-01 CSJ Award Presentation** Development of Dynamic Molecular and Macromolecular Systems based on Interlocked Structures (Sch. Mater. & Chem. Tech., Tokyo Tech.) ○TAKATA, Toshikazu

Special Lectures (invited lectures by foreign speakers)

Room SB (Sixth Building, 623)

March 17th (Fri)

- 13:00–13:50 **2SB-02 Special Lecture** From Sugars to Carbocyclic SGLT2 Inhibitors (CUHK) ○Tony K. M. Shing
14:00–14:50 **2SB-03 Special Lecture** The Impact of Achiral Templates on Enantioselective Transformations (NDSU) ○SIBI, Mukund P.

Medium and Long-Term Program

□ Molecular Science for Complex Systems: Novel Functions of Soft Molecules Explored by Collaboration of Theory, Measurements and Synthesis

Room S2 (Fourth Building, [B], J24)

March 16th (Thu)

- 16:40–17:25 **1S2-24** Photosynthetic Light Harvesting: From Molecules to Membranes. (UC Berkeley) ○FLEMING, Graham

□ Ex vivo Biodevices - towards molecular understanding and application of cells and tissues and organs functions

Room S4 (Fourth Building, [B], 32)

March 18th (Sat)

- 13:40–14:15 **3S4-02** Organ-on-a-Chip: The new paradigm in physiologically relevant cell culture (MIMETAS) ○PAUL, Vulto

Special Sessions (organized by CSJ members)

□ Various battery technologies for creating the interdisciplinary science

Room S2 (Fourth Building, [B], J24)

March 19th (Sun)

- 10:40–11:10 **4S2-04** Electrochemical Energy Storage (NUS) ○LU, Li

Open Sessions (organized by CSJ committees)

□ The Chemical Record Lecture 2017

Organized by: CSJ & Wiley-VCH

Date: March 18th (SAT) 11:00–11:50

Venue: Room S9 (Fourth Building, Independence Wing [Dokuritsu-kan], D312)

11:00– Asymmetric Catalysis with Peptides and Other Bioinspired Catalysts
Prof. Helma Wennemers (ETH Zürich)

□ The 8th RSC-CSJ Joint Symposium

—Recent Developments in Plasmonics—

Organized by: The Chemical Society of Japan
Co-organized by: Royal Society of Chemistry

Date: March 18th (SAT) 09:00–17:00

Venue: Room S3 (Fourth Building, [B], J29)

09:00– Opening Remarks; Robert Parker (CEO, RSC)
09:10– Recent Developments in Plasmonics: Introduction (Institute for Molecular Science) Hiromi Okamoto
09:20– Site-selective Nanoscale-polymerization via Plasmon Induced Charge Separation (Kyushu Univ.) Yukina Takahashi
10:00– Investigating Functional Materials using Surface Plasmon Resonance Spectroscopy (Univ. of Bath) Petra J. Cameron
11:00– Spectral Properties of Plasmon-Molecule Hybrid States and Coupled Plasmonic Systems (Hokkaido Univ.) Kosei Ueno
11:40– Metamaterials for Reactive Plasmonic Applications (King's College London) Wayne Dickson
13:30– Space and Temporal Properties of Plasmons in a Single Metal Nanoplate Revealed by Scanning Near-field Optical Microscopy (Waseda Univ.) Kohei Imura
14:10– Photonics at the Biomedical Interface: Intracellular Surface-enhanced Raman Spectroscopy (Univ. of Southampton) Sumeet Mahajan
15:10– Alloy Plasmonic Materials for Sensor Applications (Yokohama National Univ.) Yoshiaki Nishijima
15:50– Chemical Applications of Nanophotonic: Probing the Structure of Soft Matter with Chiral Nanostructures (Univ. of Glasgow) Malcolm Kadodwala
16:30– Plasmonic Optical Tweezer toward Molecular Manipulation (Osaka City Univ.) Yasuyuki Tsuiboi
17:10– Closing Remarks; Hisashi Yamamoto (President, CSJ)

□ The 7th CCS-CSJ Joint Forum

—Frontier in Organic Synthesis toward Middle Molecular Strategy—

Organized by: The Chemical Society of Japan
Co-organized by: Chinese Chemical Society

Date: March 18th (SAT) 09:00–17:00

Venue: Room S2 (Fourth Building, [B], J24)

09:00 – Opening Remarks; Hisashi Yamamoto (President, CSJ)
09:05 – Introductory Talk (Osaka Univ.) Koichi Fukase
09:10 – Aromatic Molecules: Decarbonylative Coupling and Multiple Arylation (Waseda Univ.) Junichiro Yamaguchi
09:40 – C-H Functionalization Strategy for Chemical Synthesis of α -Amino Acids and Complex Peptides (Nankai Univ.) Gong Chen
10:20 – Synthesis and Biological Evaluation of Antibiotic Polyketides (Keio Univ.) Yoko Saikawa
10:50 – Natural Product Synthesis Facilitated by Ligand Design (Shanghai Institute of Organic Chemistry) Wenjun Tang
11:20 – Synthesis of Monomers for Spectomycin B1, A Middle Size SUMOylation Inhibitor Molecule (Kyushu Univ.) Go Hirai
13:10 – Remote Activation of O/S-Benzyl Glycosides in Latent-Active Glycosylation (Huazhong Univ. of Science and Technology) Qian Wan
13:40 – Development of the Novel Cancer Immunotherapy Utilizing α -Gal (Osaka Univ.) Yoshiyuki Manabe
14:10 – Type II Intramolecular [5 + 2] Cycloaddition (South Univ. of Science and Technology of China) Chuang-Chuang Li
14:50 – Aryl Fluorides: a Versatile Synthetic Platform for Natural Product Synthesis (Tokyo Institute of Technology) Ken Ohmori
15:20 – Total Synthesis of Bioactive Natural Products: Efficiency and Diversity (East China Normal Univ.) Shuanhu Gao

- 16:00– Development of Chemical Assembly Lines Generating Skeletally Diverse Natural Products and Their Variants (Tokyo Univ. of Agriculture and Technology) Hiroki Oguri
16:30– Complex Natural Product as a Driving Force for Discovery in Organic Synthesis and Chemical Biology (Peking Univ.) Xiaoguang Lei
17:00– Closing Remarks; (Shanghai Institute of Organic Chemistry) Biao Yu



notes

