

CURROCVLUM VITAE (28 March, 2023)

Kazuaki Ishihara

Graduate School of Engineering, Nagoya University
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BIRTH

Born at Aichi Prefecture, Japan on April 26, 1963.

EDUCATION

1982–1986: Bachelor of Engineering (under the supervision of Professor Hisashi Yamamoto), Department of Applied Chemistry, School of Engineering, Nagoya University
1986–1988: Master of Engineering (under the supervision of Professor Hisashi Yamamoto), Department of Applied Chemistry, Graduate School of Engineering, Nagoya University
1988–1991: Doctor of Engineering (under the supervision of Professor Hisashi Yamamoto), Department of Applied Chemistry, Graduate School of Engineering, Nagoya University
Thesis Title: “Studies on Stereoselective Reactions of Acetals”
[Visiting scholar under the supervision of Professor Clayton H. Heathcock at Department of Chemistry, University of Berkeley, California, USA for three months in 1987.]

POSITIONS HELD

1991–1992 Postdoctoral Fellow under the supervision of Professor E. J. Corey at Department of Chemistry, Harvard University, Cambridge, Massachusetts, USA
1992–1994 Assistant Professor, Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Japan
1994–1997 Assistant Professor, Department of Biotechnology, Graduate School of Engineering, Nagoya University, Japan
1997–2001 Associate Professor, Research Center of Waste and Emission Management, Nagoya University, Japan
2001–2002 Associate Professor, Department of Biotechnology, Graduate School of Engineering, Nagoya University, Japan
2002–present Full Professor, Department of Biotechnology, Graduate School of Engineering, Nagoya University, Japan

HONORS & AWARDS

- (1) JSPS Fellowship for Japanese Junior Scientists, 1988–1991
- (2) Yamada Science Foundation Fellowship for Studying Abroad, 1991–1992
- (3) The 10th Inoue Research Award for Young Scientists, 1994 (The Inoue Foundation for Science)
“Studies on stereoselective reactions of acetals”
- (4) The 45th Young Chemist Award from the Chemical Society of Japan, 1996 (The Chemical Society of Japan)

- “Development of high stereocontroller system of organic reactions using Brønsted acid–Lewis acid complexes”
- (5) Thieme Chemistry Journal Award, 2001 (Honorary One Year Subscription to Synlett)
 - (6) The 2nd Green & Sustainable Chemistry Award from the Minister of Education, Culture, Sports, Science and Technology, 2003 (The Green & Sustainable Chemistry Network, Japan)
“Highly efficient organic syntheses using environmentally benign catalysts”
 - (7) The 1st JSPS Prize, 2005 (Japan Society for the Promotion of Science)
“Development of Artificial Small-molecule Green Catalysts”
 - (8) BCSJ Award, 2005 (Bulletin of the Chemical Society of Japan)
“Facile Synthesis of Aryl- and Alkyl-bis(trifluoromethylsulfonyl)methanes”
 - (9) Asian Core Program Lectureship Award (from Coordinator (Taiwan), March 10, 2006)
“Rational Design of Small-molecule Artificial Enzymes Based on Acid-Base Combined Chemistry”
0th International Conference on Cutting-Edge Organic Chemistry in Asia, Nagoya Conference Hall, Nagoya University, Nagoya, Japan; JSPS Asian Core Program; March 8–12, 2006.
 - (10) Asian Core Program Lectureship Award (from Coordinator (Korea), March 10, 2006)
“Rational Design of Small-molecule Artificial Enzymes Based on Acid-Base Combined Chemistry”
0th International Conference on Cutting-Edge Organic Chemistry in Asia, Nagoya Conference Hall, Nagoya University, Nagoya, Japan; JSPS Asian Core Program; March 8–12, 2006.
 - (11) Japan/UK GSC Symposium Lectureship in Japan/UK Green Sustainable Chemistry Symposium, Kansai University, Osaka; March 27, 2007 (The Chemical Society of Japan)
“Design of dehydrative condensation catalysts based on acid–base combination chemistry”
 - (12) The 21st Japan IBM Science Prize, 2007 (IBM)
“Design of highly functional catalysts based on acid–base combination chemistry directed towards environmentally benign organic reactions”
 - (13) Asian Core Program Lectureship Award (from Coordinator (Hong Kong), October 22, 2008)
“2-Iodoxybenzenesulfonic acid (IBS) as an extremely active catalyst for the oxidation of alcohols to aldehydes, ketones, and carboxylic acids with oxone[®]”
3rd International Conference on Cutting-Edge Organic Chemistry in Asia, Liuying Hotel, Hangzhou, China, October 19–23, 2008.
 - (14) The 5th Mukaiyama Award (administered by the Society of Synthetic Organic Chemistry, Japan) (October 16, 2009)
“The rational design of highly functional acid–base combined catalysts”
 - (15) The 27th Inoue Prize for Science, 2011
“Design of highly functional dynamic complex catalysts based on acid-base combination chemistry”
 - (16) Fellow of the Royal Society of Chemistry (January 11, 2013)
 - (17) SSOCJ Daiichi-Sankyo Award for Medicinal Organic Chemistry 2012 (The Society of Synthetic Organic Chemistry, Japan, February 19, 2013)
“Development of Selective Organic Transformation Reactions Induced by Hypervalent Iodine Catalysts”
 - (18) The Yazaki Academic Award (Yazaki Memorial Foundation for Science & Technology, March 7, 2013)
 - (19) The Ichimura Prize (The New Technology Development Foundation, April 25, 2013)
 - (20) 2013–2014 AbbVie Lectureship in Organic Chemistry (Host: Professor Scott Denmark, University of Illinois at Urbana-Champaign) (September, 25, 2014)

- (21) The 2014/2015 Pacific Rim Frontiers in Chemistry Lectureship (Host: Professor Dennis Hall, University of Alberta) (2015)
- (22) Asian Core Program Lectureship Award (from Coordinator (Hong Kong), December 4, 2014) OP-21 “Catalytic enantioselective cyclization reaction to construct chroman skeletons,” The 9th International Conference on Cutting-Edge Organic Chemistry in Asia (ICCEOCA-9)/The 5th New Phase International Conference on Cutting-Edge Organic Chemistry in Asia (NICCEOCA-5), Eastin Hotel Petaling Jaya, Malaysia. December 1–4, 2014.
- (22) Asian Core Program Lectureship Award (from Coordinator (Taiwan), December 4, 2014) OP-21 “Catalytic enantioselective cyclization reaction to construct chroman skeletons,” The 9th International Conference on Cutting-Edge Organic Chemistry in Asia (ICCEOCA-9)/The 5th New Phase International Conference on Cutting-Edge Organic Chemistry in Asia (NICCEOCA-5), Eastin Hotel Petaling Jaya, Malaysia. December 1–4, 2014.
- (23) The SIS Award 2015 (from the Society of Iodine Science, September 15, 2015)
- (24) Synthetic Organic Chemistry Award, Japan (The Society of Synthetic Organic Chemistry (SSOCJ), Japan, February 18, 2016)
- (25) Asian Core Program / Advanced Research Network Lectureship Award (from Coordinator (Korea), October 30, 2016)
 PO-C15 “Enantioselective Carbon–Carbon Bond Formation Reactions Induced by Chiral BINSA-Derived Brønsted Acid Catalysts,” ACP-2016-Korea (The 11th International Conference on Cutting-Edge Organic Chemistry in Asia (ICCEOCA-11) & The 2nd Advanced Research Network on Cutting-Edge Organic Chemistry in Asia (ARNCEOCA-2), Fusion Hall, KI Institute (KAIST), Daejeon, Korea.
 October 27–30, 2016.
- (26) Prize for Science and Technology (Research Category) in the Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, April 19, 2017.
- (27) Asian Core Program / Advanced Research Network Lectureship Award (from Coordinator (Hong Kong), November 5, 2017)
 PO-B19 “Enantioselective Hydrocyanation of Ketones and α,β -Unsaturated *N*-Acylpyrroles Catalyzed by Chiral Lithium(I) Phosphoryl Phenoxide,” ACP-2017-China (The 12th International Conference on Cutting-Edge Organic Chemistry in Asia (ICCEOCA-12) & The 3rd Advanced Research Network on Cutting-Edge Organic Chemistry in Asia (ARNCEOCA-3), Xi’an, China.
 November 2–5, 2017.
- (27) JSPC Award for Excellence (The Japanese Society for Process Chemistry)
 Yushi Tabata, Manabu Hatano, and Kazuaki Ishihara*
 “Transesterification Reaction highly Active Catalyzed by Quaternary Ammonium Salts”
 Dec. 8, 2017, The Winter Symposium of JSPC 2017 (Nagasaki Brick Hall)
- (28) CSJ Award 2017 (The Chemical Society of Japan)
 “Rational Design of High Performance Acid–Base Combined Catalysts”
 March 21, 2018

EDITORIAL ADVISORY BOARD

- (1) 2007– Editorial Advisory Board of “**Letters in Organic Chemistry**”, Bentham Science Publishers Ltd., U.A.E.
<http://www.bentham.org/loc/index.htm>

- (2) 2021–2024 Editorial Board of “**Asian Journal of Organic Chemistry**”, Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim.
<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%292193-5815>
- (3) 2014– The board of Series Editors of “**Topics in Current Chemistry**”, Springer-Verlag GmbH, Heidelberg, Germany
<http://link.springer.com/bookseries/128>

PRINCIPLE AREAS OF RESERACH

- 1981–1991 Studies on stereoselective reactions of chiral acetals
 1991–1992 Design of asymmetric Diels–Alder catalysts
 1992– Design of chiral Brønsted acid–Lewis acid combined catalysts
 1995– Design of superacids
 1996– Design of dehydrative condensation catalysts
 1999– Design of artificial cyclases for synthesizing optically active polycyclic terpenoids
 2000– Design of recoverable and reusable catalysts
 2002– Design of acid–base combined catalysts
 2007– Design of hypervalent iodine cataslysts
 2009– Design of supramolecular acid–base combined catalysts

His current research is the development of catalytic organic reactions and processes directed towards green chemistry.

281 Original papers

135 Review articles

87 Patent applications

371 Lectures

Representative Papers

- (1) “Direct condensation of carboxylic acids with alcohols catalyzed by hafnium(IV) salts”
 Kazuaki Ishihara, Suguru Ohara, Hisashi Yamamoto
Science **2000**, 290(5494), 1140–1142. DOI: 10.1126/science.290.5494.1140 (Nov. 10)
- (2) “Enantioselective halocyclization of polyprenoids induced by nucleophilic phosphoramidites”
 Akira Sakakura, Atsushi Ukai, Kazuaki Ishihara
Nature **2007**, 455(7130), 900–903. DOI: 10.1038/nature05553 (Feb. 22)
- (3) “Quaternary ammonium (hypo)iodite catalysis for enantioselective oxidative cycloetherification”
 Muhammet Uyanik, Hiroaki Okamoto, Takeshi Yasui, Kazuaki Ishihara
Science **2010**, 328(5984), 1376–1379. DOI: 10.1126/science.1188217 (Jun. 11)
- (4) “High-turnover hypiodite catalysis for asymmetric synthesis of tocopherols”
 Muhammet Uyanik, Hiroki Hayashi, Kazuaki Ishihara
Science **2014**, 345(6194), 291–294. DOI: 10.1126/science.1254976 (July 18).
- (5) “Chemoselective oxidative generation of *ortho*-quinone methides and tandem transformations”
 Muhammet Uyanik, Kohei Nishioka, Ryutaro Kondo, Kazuaki Ishihara*
Nat. Chem. **2020**, 12(4), 353–362.
- (6) “Hypiodite-catalyzed oxidative umpolung of indoles for enantioselective dearomatization”
 Hiroki Tanaka, Naoya Ukegawa, Muhammet Uyanik,* Kazuaki Ishihara*
J. Am. Chem. Soc. **2022**, 144(13), 5756–5761.

Book

- (1) *Acid Catalysis in Modern Organic Synthesis*, Vols. 1, 2, Hisashi Yamamoto, Kazuaki Ishihara Eds.; Wiley-VCH Verlag, GmbH & Co. KGaA, Weinheim, 2008.
- (2) *Iodine Catalysis in Organic Synthesis*, Kazuaki Ishihara, Kilian Muñiz, Wiley-VCH: Weinheim, 2022 (432 pages), ISBN 9783527348299

Communications and full papers

- (1) “Reductive cleavages of α,β -alkynyl acetals. New route to optically pure propargylic alcohols”
Kazuaki Ishihara, Atsunori Mori, Isao Arai, Hisashi Yamamoto
Tetrahedron Lett. **1986**, 27(4), 983–986. DOI: 10.1016/S0040-4039(00)84155-6
- (2) “Reductive cleavages of chiral acetals using Lewis acid-hydride system”
Atsunori Mori, Kazuaki Ishihara, Hisashi Yamamoto
Tetrahedron Lett. **1986**, 27(8), 987–990. DOI: 10.1016/S0040-4039(00)84156-8
- (3) “Reductive cleavages of homochiral acetals: Inversion of the stereochemistry”
Atsunori Mori, Kazuaki Ishihara, Isao Arai, Hisashi Yamamoto
Tetrahedron **1987**, 43(4), 755–764. DOI: 10.1016/S0040-4020(01)90009-2
- (4) “Stereoselective reduction of bicyclic acetals. A method for reductive generation of heterocyclic ring systems”
Kazuaki Ishihara, Atsunori Mori, Hisashi Yamamoto
Tetrahedron Lett. **1987**, 28(52), 6613–6616. DOI: 10.1016/S0040-4039(00)96927-2
- (5) “Diastereoselective aldol synthesis using acetal templates”
Kazuaki Ishihara, Hisashi Yamamoto, Clayton H. Heathcock
Tetrahedron Lett. **1989**, 30(14), 1825–1828. DOI: 10.1016/S0040-4039(00)99590-X
- (6) “Chiral aryl Grignard reagents-generation and reactions with carbonyl compounds”
Makoto Kaino, Kazuaki Ishihara, Hisashi Yamamoto
Bull. Chem. Soc. Jpn. **1989**, 62(11), 3736–3738. DOI: 10.1246/bcsj.62.3736 (Nov.)
- (7) “Acyclic Stereoselection 50. New stereoselective propanal/propanpic acid synthons for aldol reactions”
Ichiro Mori, Kazuaki Ishihara, Clayton H. Heathcock
J. Org. Chem. **1990**, 55(3), 1114–1117. DOI: 10.1021/jo00290a060 (Feb. 2)
- (8) “Stereoselective reduction of bicyclic acetals. A method for reductive generation of heterocyclic ring systems”
Kazuaki Ishihara, Atsunori Mori, Hisashi Yamamoto
Tetrahedron **1990**, 46(13–14), 4595–4612. DOI: 10.1016/S0040-4020(01)85584-8
- (9) “Stereospecific Cyclization of vinyl ether alcohols. Facile synthesis of (–)-lardolure”
Makoto Kaino, Yuji Naruse, Kazuaki Ishihara, Hisashi Yamamoto
J. Org. Chem. **1990**, 55(23), 5814–5815. DOI: 10.1021/jo00310a007 (Nov. 9)
- (10) “Acyclic Stereoselection 52. On the mechanism of Lewis acid-mediated nucleophilic substitution reactions of acetals”
Ichiro Mori, Kazuaki Ishihara, Lee A. Flippin, Kyoko Nozaki, Hisashi Yamamoto, Paul A. Bartlett, Clayton H. Heathcock
J. Org. Chem. **1990**, 55(25), 6107–6115. DOI: 10.1021/jo00312a015 (Dec. 7)
- (11) “Highly selective acetal cleavage using new organoaluminum reagents”
Kazuaki Ishihara, Naoyuki Hanaki, Hisashi Yamamoto
J. Am. Chem. Soc. **1991**, 113(18), 7074–7075. DOI: 10.1021/ja00018a075 (Aug. 28)
- (12) “Highly enantioselective catalytic Diels-Alder addition promoted by a chiral bis(oxazoline)-magnesium complex”
E. J. Corey, Kazuaki Ishihara
Tetrahedron Lett. **1992**, 33(45), 6807–6810. DOI: 10.1016/S0040-4039(00)61781-1 (Nov. 3)
- (13) “Reductive cleavage of chiral acetals using new aluminum catalyst”
Kazuaki Ishihara, Naoyuki Hanaki, Hisashi Yamamoto
Synlett **1993**, (2), 127–129. DOI: 10.1055/s-1993-22373 (Feb.)
- (14) “An extremely simple, convenient, and selective method for acetylating primary alcohols”
Kazuaki Ishihara, Hideki Kurihara, Hisashi Yamamoto
J. Org. Chem. **1993**, 58(15), 3791–3793. DOI: 10.1021/jo00067a005 (Jul 16)
- (15) “Tris(pentafluorophenyl)boron as a new efficient, air stable, and water tolerant catalyst in the aldol-type and Michael reactions”
Kazuaki Ishihara, Naoyuki Hanaki, Hisashi Yamamoto
Synlett **1993**, (8), 577–579. DOI: 10.1055/s-1993-22535 (Aug.)
- (16) “Mechanistic studies of a CAB-catalyzed asymmetric Diels-Alder reaction”
Kazuaki Ishihara, Qingzhi Gao, Hisashi Yamamoto
J. Am. Chem. Soc. **1993**, 115(22), 10412–10413. DOI: 10.1021/ja00075a0088 (Nov. 3)

- (17) “Catalytic asymmetric aldol-type reactions using a chiral (acyloxy)borane complex”
Kazuaki Ishihara, Tohru Maruyama, Makoto Mouri, Qingzhi Gao, Kyoji Furuta, Hisashi Yamamoto
Bull. Chem. Soc. Jpn. **1993**, 66(11), 3483–3491. DOI: 10.1246/bcsj.66.3483 (Nov.)
- (18) “Highly diastereoselective acetal cleavages using novel reagents prepared from organoaluminum and pentafluorophenol”
Kazuaki Ishihara, Naoyuki Hanaki, Hisashi Yamamoto
J. Am. Chem. Soc. **1993**, 115(23), 10695–10704. DOI: 10.1021/ja00076a030 (Nov. 17)
- (19) “Enantioselective Diels-Alder reaction of α -bromo- α,β -enals with dienes under catalysis by CAB”
Kazuaki Ishihara, Qingzhi Gao, Hisashi Yamamoto
J. Org. Chem. **1993**, 58(24), 6917–6919. DOI: 10.1021/jo00076a070 (Nov. 19)
- (20) “Catalytic asymmetric allylation using a chiral (acyloxy)borane complex as a versatile Lewis acid catalyst”
Kazuaki Ishihara, Makoto Mouri, Qingzhi Gao, Tohru Maruyama, Kyoji Furuta, Hisashi Yamamoto
J. Am. Chem. Soc. **1993**, 115(24), 11490–11495. DOI: 10.1021/ja00077a054 (Dec. 1)
- (21) “Catalytic enantioselective Diels-Alder reactions using titanium complexes of *cis-N*-sulfonyl-2-amino-1-indanols”
E. J. Corey, T. D. Roper, Kazuaki Ishihara, G. Sarakinos
Tetrahedron Lett. **1993**, 34(52), 8399–8402. DOI: 10.1016/S0040-4039(00)61343-6 (Dec. 24)
- (22) “Asymmetric hetero Diels-Alder reaction catalyzed by stable and easily prepared CAB catalysts”
Qingzhi Gao, Kazuaki Ishihara, Tohru Maruyama, Makoto Mouri, Hisashi Yamamoto
Tetrahedron **1994**, 50(4), 979–988 (Jan. 24), and **1994**, 50(15), 4555–4555. DOI: 10.1021/ja00083a048 (April. 11)
- (23) “Brønsted acid-assisted chiral Lewis acid (BLA) catalyst for asymmetric Diels-Alder reaction”
Kazuaki Ishihara, Hisashi Yamamoto
J. Am. Chem. Soc. **1994**, 116(4), 1561–1562. DOI: 10.1021/ja00083a048 (Feb. 23)
- (24) “First application of hydrogen bonding interactions to the design of asymmetric acylation of *meso*-diols with optically active acyl halides”
Kazuaki Ishihara, Manabu Kubota, Hisashi Yamamoto
Synlett **1994**, (8), 611–614. DOI: 10.1055/s-1994-22945 (Aug.)
- (25) “Tris(pentafluorophenyl)boron as an efficient catalyst in the aldol-type reaction of ketene silyl acetals with imines”
Kazuaki Ishihara, Miyuki Funahashi, Naoyuki Hanaki, Mayumi Miyata, Hisashi Yamamoto
Synlett **1994**, (11), 963–964. DOI: 10.1055/s-1994-23065 (Nov.)
- (26) “A new chiral promoter for asymmetric aza Diels-Alder and aldol-type reactions of imines”
Kazuaki Ishihara, Mayumi Miyata, Kouji Hattori, Hisashi Yamamoto, Toshiji Tada
J. Am. Chem. Soc. **1994**, 116(23), 10520–10524. DOI: 10.1021/ja00192a019 (Nov. 16)
- (27) “Lewis acid assisted chiral Brønsted acid (LBA) for enantioselective protonation of silyl enol ethers and ketene bis(trialkylsilyl) acetals”
Kazuaki Ishihara, Masanobu Kaneeda, Hisashi Yamamoto
J. Am. Chem. Soc. **1994**, 116(24), 11179–11180. DOI: 10.1021/ja00103a052 (Nov. 30)
- (28) “A concise synthesis of (+)-(*S*)-dihydroperiphylline”
Kazuaki Ishihara, Yoshichika Kuroki, Hisashi Yamamoto
Synlett **1995**, (1), 41–42. DOI: 10.1055/s-1995-4855 (Jan.)
- (29) “Scandium trifluoromethanesulfonate as an extremely acylation catalyst”
Kazuaki Ishihara, Manabu Kubota, Hideki Kurihara, Hisashi Yamamoto
J. Am. Chem. Soc. **1995**, 117(15), 4413–4414. DOI: 10.1021/ja00120a030 (Apr. 19)
- (30) “Highly regio- and stereo-selective annulation-elimination reaction of 1-cycloalkenyl 3-hydroxypropyl ethers: A novel approach to 2-substituted δ -lactones, macrocyclic oxolactones, and bicyclic hydroxyethers”
Kazuaki Ishihara, Naoyuki Hanaki, Hisashi Yamamoto
J. Chem. Soc., Chem. Commun. **1995**, (11), 1117–1118. DOI: 10.1039/c39950001117 (Jun. 7)
- (31) “Tris(pentafluorophenyl)boron as an efficient, air stable, and water tolerant Lewis acid catalyst”
Kazuaki Ishihara, Naoyuki Hanaki, Miyuki Funahashi, Mayumi Miyata, Hisashi Yamamoto
Bull. Chem. Soc. Jpn. **1995**, 68(6), 1721–1730. DOI: 10.1246/bcsj.68.1721 (Jan. 27)
- (32) “Tris(pentafluorophenyl)boron as an efficient catalyst in the stereoselective rearrangement of epoxides”
Kazuaki Ishihara, Naoyuki Hanaki, Hisashi Yamamoto

- Synlett* **1995**, (7), 721–722. DOI: 10.1055/s-1995-5049 (Jul.)
- (33) “Stereospecific annulation of hydroxy vinyl ethers. Synthetic application to polyfunctionalized cyclic compounds”
Naoyuki Hanaki, Kazuaki Ishihara, Makoto Kaino, Yuji Naruse, Hisashi Yamamoto
Tetrahedron **1996**, 52(21), 7297–7320. DOI: 10.1016/0040-4020(96)00253-0 (May 20)
- (34) “Antimony-templated macrolactamization of tetraamino esters. Facile synthesis of macrocyclic alkaloids, (±)-Buchnerine, (±)-Verbacine, (±)-Verbaskine, (±)-Verbascenine
Kazuaki Ishihara, Yoshichika Kuroki, Naoyuki Hanaki, Suguru Ohara, Hisashi Yamamoto
J. Am. Chem. Soc. **1996**, 118(6), 1569–1570. DOI: 10.1021/JA953541A (Feb. 14)
- (35) “Enantioselective protonation of ketene bis(trimethylsilyl) acetals derived from α -aryl- α -haloacetic acids using LBA”
Kazuaki Ishihara, Shingo Nakamura, Hisashi Yamamoto
Croat. Chem. Acta **1996**, 69(2), 513–517 (*Surprise Festschrift in Honour of Professor Vladimir Prelog*). (Apr.)
- (36) “A new powerful and practical BLA catalyst for highly enantioselective Diels-Alder reaction: An extreme acceleration of reaction rate by Brønsted acid
Kazuaki Ishihara, Hideki Kurihara, Hisashi Yamamoto
J. Am. Chem. Soc. **1996**, 118(12), 3049–3050. DOI: 10.1021/JA954060U (Mar. 27)
- (37) “Scandium trifluoromethanesulfonate as an extremely active Lewis acid catalyst in Mukaiyama esterification system”
Kazuaki Ishihara, Manabu Kubota, Hideki Kurihara, Hisashi Yamamoto
J. Org. Chem. **1996**, 61(14), 4560–4567. DOI: 10.1021/JO952237X (Jul. 12)
- (38) “A new scandium complex as an extremely active acylation catalyst”
Kazuaki Ishihara, Manabu Kubota, Hisashi Yamamoto
Synlett **1996**, (3), 265–266. DOI: 10.1055/s-1996-5376 (Mar.)
- (39) “3,4,5-Trifluorobenzeneboronic acid as an extremely active amidation catalyst”
Kazuaki Ishihara, Suguru Ohara, Hisashi Yamamoto
J. Org. Chem. **1996**, 61(13), 4196–4197. DOI: 10.1021/JO9606564 (Jun. 28)
- (40) “Scandium trifluoromethanesulfonimide and scandium trifluoromethanesulfonate as extremely active acetalization catalysts”
Kazuaki Ishihara, Yoshinori Karumi, Manabu Kubota, Hisashi Yamamoto
Synlett **1996**, (9), 839–841. DOI: 10.1055/s-1996-5594 (Sep.)
- (41) “Practical synthesis of α -tocopherol. Trifluoromethanesulfonimide as an extremely active Brønsted acid catalyst for the condensation of trimethylhydroquinone with isophytol”
Kazuaki Ishihara, Manabu Kubota, Hisashi Yamamoto
Synlett **1996**, (11), 1045–1046 (Nov.)
- (42) “First example of a highly enantioselective catalytic protonation of silyl enol ethers using a novel LBA system”
Kazuaki Ishihara, Shingo Nakamura, Masanobu Kaneeda, Hisashi Yamamoto
J. Am. Chem. Soc. **1996**, 118(50), 12854–12855. DOI: 10.1021/JA962414R (Dec. 18)
- (43) “First enantioselective catalytic Diels–Alder reaction of dienes and acetylenic aldehydes: Experimental and theoretical evidence for the predominance of exo-transition structure”
Kazuaki Ishihara, Shoichi Kondo, Hideki Kurihara, Hisashi Yamamoto, Shigenori Ohashi, Satoshi Inagaki
J. Org. Chem. **1997**, 62(10), 3026–3027. DOI: 10.1021/JO970171V (May 16)
- (44) “Diarylborinic acids as efficient catalysts for selective dehydration of aldols”
Kazuaki Ishihara, Hideki Kurihara, Hisashi Yamamoto
Synlett, **1997**, (5), 597–599. DOI: 10.1055/s-1997-3207 (May)
- (45) “First enantioselective protonation of prochiral allyltrimethyltins using LBA”
Kazuaki Ishihara, Yuji Ishida, Shingo Nakamura, Hisashi Yamamoto
Synlett **1997**, (7), 758–760. DOI: 10.1055/s-1997-5758 (Jul)
- (46) “Bis(pentafluorophenyl)borinic acid as a highly effective Oppenauer oxidation catalyst for allylic and benzylic alcohols”
Kazuaki Ishihara, Hideki Kurihara, Hisashi Yamamoto
J. Org. Chem. **1997**, 62(17), 5664–5665. DOI: 10.1021/JO970959D (Aug. 22)

- (47) “Metal-templated macrolactamization of triamino and tetramino esters. Facile synthesis of macrocyclic spermidine and spermine alkaloids, (*S*)-(+)-Dihydroperiphylline, (±)-Buchnerine, (±)-Verbacine, (±)-Verbaskine, and (±)-Verbascenine”
 Yoshichika Kuroki, Kazuaki Ishihara, Naoyuki Hanaki, Suguru Ohara, Hisashi Yamamoto
Bull. Chem. Soc. Jpn. **1998**, 71(5), 1221–1230. DOI: 10.1246/dcsj.71.1221 (May)
- (48) “Synthesis of C_3 symmetric, optically active triamidoamine and protetraazaphosphatane”
 Kazuaki Ishihara, Yoshinori Karumi, Shoichi Kondo, Hisashi Yamamoto
J. Org. Chem. **1998**, 63(16), 5692–5695. DOI: 10.1021/JO9804689 (Aug. 7)
- (49) “Design of Brønsted acid-assisted chiral Lewis acid (BLA) catalysts for highly enantioselective Diels–Alder reactions”
 Kazuaki Ishihara, Hideki Kurihara, Masayuki Matsumoto, Hisashi Yamamoto
J. Am. Chem. Soc. **1998**, 120(28), 6920–6930. DOI: 10.1021/JA9810282 (Jul. 22)
- (50) “Highly regio- and stereoselective isomerization of silyl enol ethers catalyzed by LBA. A remarkable enantiomer discrimination of chiral LBA”
 Kazuaki Ishihara, Hiroko Nakamura, Shingo Nakamura, Hisashi Yamamoto
J. Org. Chem. **1998**, 63(19), 6444–6445. DOI: 10.1021/JO9812936 (Sep. 18)
- (51) “Rational design of a new chiral Lewis acid catalyst for enantioselective Diels–Alder reaction: Optically active 2-dichloroboryl-1,1'-binaphthyl”
 Kazuaki Ishihara, Kazato, Inanaga, Shoichi Kondo, Miyuki Funahashi, Hisashi Yamamoto
Synlett **1998**, (10), 1053–1056. DOI: 10.1055/s-1998-1860 (Oct.)
- (52) “The first enantioselective biomimetic cyclization of polyprenoids”
 Kazuaki Ishihara, Shingo Nakamura, Hisashi Yamamoto
J. Am. Chem. Soc. **1999**, 121(29), 4906–4907. DOI: 10.1021/JA984064+ (May 26)
- (53) “A new and extremely active Corey’s chiral oxazaborolidine catalyst”
 Kazuaki Ishihara, Shoichi Kondo, Hisashi Yamamoto
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 Manabu Hatano,* Xue Zhao, Takuya Mochizuki, Kyogo Maeda, Ken Motokura,* Kazuaki Ishihara*
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 (263) “Chemoselective transesterification of methyl (meth)acrylates catalyzed by sodium(I) or magnesium(II) aryloxides”
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 Muhammet Uyanik, Shinichi Ishizaki and Kazuaki Ishihara*
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ウヤヌクムハメット、石原一彰

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特別講演会 (帝人 (株) 東京研究センター)

- (7) 1998, 10, 3 依頼講演「ルイス酸複合型キラルブレンステッド酸触媒を用いるオレフィンのエナンチオ面選択的反応」
第29回中部化学関係学協会支部連合秋季大会（豊橋技術科学大学）
- (8) 1999, 7, 23 招待講演「ルイス酸複合型キラルブレンステッド酸(LBA)触媒を用いる不斉合成」
特別講演会（九州大学機能物質科学研究所）
- (9) 1999, 11, 3 招待講演 “Lewis Acid-Assisted Chiral Brønsted Acid Catalysts and Lewis Acid-Assisted Chiral Acetal Reagents”
International Symposium: Lewis Acid Catalysts for Selective Organic Synthesis（名古屋国際会議場）
- (10) 2000, 7, 14 招待講演 “Design of Chiral Brønsted-Lewis Acid Catalysts”
Seminar (University of Illinois at Chicago, USA)
- (11) 2000, 12, 8 招待講演 “夢の脱水縮合触媒を探し求めて”
特別講演会（東京工業大学資源化学研究所）
- (12) 2001, 4, 21 招待講演 “夢の脱水重縮合触媒を探し求めて,” 第95回 東海高分子研究会講演会（名古屋大学ベンチャー・ビジネス・ラボラトリー-3F, ベンチャーホール）
- (13) 2001, 5, 29 招待講演 “グリーンケミストリー指向型触媒的プロセスの開発,” 特別講演会（花王株式会社 和歌山 素材開発研究所）
- (14) 2001, 6, 29 依頼講演 “(-)-Ambrox®の全合成,” 第4回夏の勉強会「有機分子構築法」(京都薬科大学セミナーハウス)
- (15) 2001, 7, 19 招待講演 “Catalytic Organic Reactions and Processes Directed toward Green Chemistry,” Seminar (North Dakota State University, USA)
- (16) 2001, 7, 20 招待講演 “Catalytic Organic Reactions and Processes Directed toward Green Chemistry,” Seminar (Minnesota University, USA)
- (17) 2001, 9, 12 招待講演 “グリーンケミストリー指向型触媒的プロセスの開発,” 特別講演会（協和油化株式会社 四日市研究所）
- (18) 2003, 1, 24 招待講演 “生体酵素を凌駕するグリーン触媒の設計と高効率的合成プロセスへの展開,” 特別講演会（ファイザー製薬株式会社 武豊 中央研究所）
- (19) 2003, 2, 18 招待講演 “グリーン触媒を用いる高効率有機反応プロセスの開発,” 特別講演会（住友化学工業株式会社 宝塚 農業化学品研究所）
- (20) 2003, 3, 16 招待講演 “Highly efficient organic syntheses using environmentally benign catalysts,” Students and Young Scientists Forum on GSC (Sophia University, Tokyo)
- (21) 2003, 3, 20 日本化学会第83春季年会口頭発表 “シリルエノールエーテルの不斉プロトン化剤として有効なルイス酸複合型キラルブレンステッド酸の結晶構造”（早稲田大学、東京）
- (22) 2003, 4, 22 招待講演 “環境調和型触媒を用いる高効率有機合成への応用”
特別講演会（イハラケミカル工業静岡研究所、静岡）
- (23) 2003, 5, 16 招待講演 “環境に優しい触媒の設計と高効率合成プロセスへの展開”
特別講演会（京都大学再生医科学研究所、京都）
- (24) 2003, 7, 18 招待講演 “環境調和型触媒的高効率有機合成プロセスの開発,” 若手研究者のためのセミナー（有機合成化学協会東海支部、三重大学工学部多目的会議室）
- (25) 2003, 10, 3 招待講演 “環境調和型触媒的高効率有機合成プロセスの開発,” 特別講演会（竹本油脂株式会社、蒲郡）
- (26) 2003, 10, 10 特許流通フェア、技術シーズ発表会 “環境調和型触媒反応の開発：エステル、アミド、ニトリル、ビタミンEの合成,” 特別講演会（中部経済産業局産業技術課、名古屋市中小企業振興会館吹上ホール内講演会会場）
- (27) 2003, 11, 6 招待講演 “環境調和型触媒的高効率有機合成プロセスの開発,” 特別講演会（大日本インキ化学工業(株) 堺工場、大阪府高石市高砂）
- (28) 2003, 11, 7 依頼講演 “環境調和型触媒的高効率有機合成プロセスの開発,” 第4回テクノ・フェア名大2003（名古屋大学工学研究科、名古屋大学シンポジオンホール）
- (29) 2003, 11, 24 招待講演 “Highly Efficient Organic Syntheses Using Environmentally Benign Catalysts,” The 14th CRC International Symposium on “Molecular Catalysis of the Next Generation” (Conference Hall, Hokkaido University, Sapporo, Japan)

- (30) 2003, 11, 28 招待講演 “環境調和型触媒の高効率有機反応プロセスの開発,” 特別講演会 (萬有製薬 (株) 合成技術研究所 愛知県岡崎市)
- (31) 2003, 12, 19 依頼講演 “スーパーLewis酸触媒の設計,” 合同班会議: 特定領域研究「動的錯体の自在制御化学」 (大阪コスモスクエア 国際交流センター)
- (32) 2004, 3, 9 受賞講演 “環境調和型触媒の高効率有機合成プロセスの開発,” 第4回グリーン・サステイナブルケミストリーシンポジウム (グリーン・サステイナブルケミストリーネットワーク、学術総合センター・一ツ橋記念講堂 東京都千代田区一ツ橋)
- (33) 2004, 3, 9 依頼講演 “環境調和型高効率エステル縮合反応の開発,” 産学官テクノプラザ (財団法人中部科学技術センター、名古屋市工業研究所、名古屋市熱田区)
- (34) 2004, 6, 17 招待講演 “環境調和型触媒的脱水縮合反応プロセスの開発,” 有機合成化学講習会 (有機合成化学協会主催、日本薬学会長井記念ホール、東京都渋谷区)
- (35) 2004, 9, 7 招待講演 “Design of Esterification Catalysts Directed towards Green Processes,” The 1st SIOC-NU Joint Conference for Young Scientists (Shanghai Institute Technology, Shanghai, China)
- (36) 2004, 9, 18 招待講演 “グリーン触媒の分子設計” (中部化学関係学協会支部連合秋季大会、特別討論会: 先導的有機化学の探究: 発見と発明、中部化学関係学協会支部連合協議会、名古屋大学東山キャンパス)
- (37) 2004, 9, 27 招待講演 “エステル縮合触媒” (山形大学工学部、山形県米沢市)
- (38) 2004, 11, 26 招待講演 “グリーンケミカルプロセスを指向した小分子人工酵素の開発” (第2回有機化学者若手研究会、名古屋大学21世紀COEプログラム「物質科学の拠点形成: 分子機能の解明と創造」、名古屋大学野依物質科学研究館)
- (39) 2004, 12, 2 招待講演 “酵素を凌駕する小分子グリーン触媒の設計” (第10回グリーンケミストリーフォーラム、日本化学会グリーンケミストリー研究会主催、東京工業大学・百年記念館 フェライト会議室 (大岡山キャンパス))
- (40) 2005, 1, 7 招待講演 “グリーンケミストリーを指向した小分子人工酵素の設計” (第10回精密合成化学セミナー 有機合成における新展開、北海道大学大学院工学研究科分子化学専攻精密合成化学講座主催、北海道大学材料・化学棟大講義室MC030教室)
- (41) 2005, 1, 17 招待講演 “高効率有機反応プロセスを指向した複合酸触媒の設計” SORSTジョイントシンポジウム(2) 進化する有機合成化学、独立行政法人 科学技術振興機構(JST) 戦略的創造研究推進事業・継続課題(SORST)、コクヨホール (東京、品川)
- (42) 2005, 1, 28 招待講演 “Design of Reusable Ester Condensation Catalysts” The 3rd Symposium of Noguchi Fluorous Project, p. 34–35, 財団法人野口研究所、主婦会館プラザエフB2階クラルテ
- (43) 2005, 2, 4 招待講演 “脱水縮合触媒によるグリーンケミカルプロセスの開発” 21世紀COE「京都大学化学連携研究拠点」化学研究所 精密有機合成セミナー, p. 1-2, 京都大学化学研究所共同研究棟大セミナー室
- (44) 2005, 2, 15 招待講演 “酵素を凌駕する小分子グリーン触媒の設計” 三共アグロ株式会社農業科学研究所、滋賀県野洲市
- (45) 2005, 3, 8 招待講演 “酵素を凌駕する小分子グリーン触媒の設計” 先端技術講演会「グリーン・サステイナブルケミストリーへの招待」、旭化成ファインケム株式会社主催、向陽倶楽部ホール、宮崎県延岡市
- (46) 2005, 6, 9-10 特別セミナー “低環境負荷型触媒的有機合成反応プロセスの開発とノウハウ” 日本テクノセンター主催、東京都千代田区九段
- (47) 2005, 6, 21 Invited Lecture “Design of dehydrative condensation catalysts directed toward GSC” The 2nd International Conference on Green and Sustainable Chemistry, Hotel Washington, Washington, DC, USA.
- (48) 2005, 6, 23 Invited Lecture “Design of dehydrative condensation catalysts directed toward GSC” Duke University, North Carolina, USA.
- (49) 2005, 6, 24 Invited Lecture “Design of dehydrative condensation catalysts directed toward GSC” 2nd International Conference on Green and Sustainable Chemistry, The University of North Carolina at Chapel Hill, North Carolina, USA.

- (50) 2005, 9, 2 招待講演 “均一系脱水縮合触媒の設計と固定化” 第41回触媒フォーラム「固体触媒と均一触媒の融合をめざして」、p. 5-7、触媒学会主催、三井化学(株)袖ヶ浦センター シャープレスホール
- (51) 2005, 9, 16 招待講演 “低環境負荷型酸塩基複合触媒の精密設計” 特別講演会、万有製薬株式会社 合成技術研究所、岡崎
- (52) 2005, 10, 19 招待講演 “環境低負荷型脱水縮合反応プロセスを指向した均一系触媒の設計” 特別講演会、三菱レイヨン株式会社横浜技術研究所、横浜
- (53) 2005, 10, 27 招待講演 “酵素を凌駕する酸・塩基複合型小分子触媒の設計” 特別講演会、帝人ファーマ、東京研究センター、日野
- (54) 2005, 11, 22 依頼講演 “酵素を凌駕する酸塩基複合型小分子人工触媒の設計” 21世紀COEプログラム 東工大一名大材料系COE合同シンポジウム「自然に学ぶナノマテリアルの開拓」、東京工業大学21世紀COE及び名古屋大学21世紀COE、品川プリンスホテル新館17階
- (55) 2005, 12, 6 依頼講演 “フッ素化学を利用した脱水縮合触媒の開発”
平成17年度第1回フルオラス研究会、野口研究所 講義室、東京都板橋区
- (56) 2005, 12, 13 Invited Lecture “Design of dehydrative condensation catalysts” Joint US–Japan Workshop on Sustainable Chemical Synthesis, Sheraton Waikiki Hotel (Honolulu Room), Honolulu, Hawaii, USA.
- (57) 2005, 12, 19 Invited Lecture “Design of L-amino acid-derived small artificial enzymes: artificial acylases and Diels–Alderases” Organocatalyzed Asymmetric Synthesis, The 2005 International Chemical Congress of Pacific Basin Societies (PACIFICHEM), Hilton Hawaiian Village, Honolulu, Hawaii, USA
- (58) 2006, 1, 24 招待講演 “酵素を凌駕する酸・塩基複合型小分子触媒の設計” 特別講演会、富士写真フイルム、有機合成化学研究所、小田原
- (59) 2006, 3, 10 Invited Lecture “Rational design of small-molecule artificial enzymes based on acid–base combined chemistry” 0th Nagoya organic Chemistry Seminar, JSPS Asian Core Program Cutting Edge Organic Chemistry in Asia, Nagoya Conference Hall, Nagoya University, Nagoya
- (60) 2006, 3, 18 依頼講演 “カチオン- π 電子相互作用を利用した小分子不斉Diels–Alder触媒の設計” 「動的錯体の自在制御化学」第5回公開シンポジウム、講演要旨集p. 69–72、文部科学省 科学研究費補助金 特定領域研究 領域番号420 領域略称「動的錯体」、京都大学ローム記念館
- (61) 2006, 4, 25 依頼講演 TLO Academic Seminar: “環境低負荷型脱水縮合反応プロセスを指向した均一系触媒の設計：アミド、エステル、リン酸エステル” CPhI JAPAN 2006(国際医薬品原料・中間体展)、Exhibition Catalogue 2006, p. 8; 主催：化学工業日報、東京ビッグサイト
- (62) 2006, 7, 3 招待講演 “バイオミメティックポリエン環化反応の新展開” 第41回天然物化学談話会 北海道沙流郡日高町 国立日高青少年自然の家 平成18年7月3日–7月5日
- (63) 2006, 8, 4 依頼講演 “触媒的アシル化反応プロセスの新展開” 「酸・塩基複合型有機触媒の精密設計」第1回公開シンポジウム；日本学術振興会科学研究費補助金 基盤研究C（企画調査研究）、京都大学薬学研究科教育棟1階マルチメディア教室
- (64) 2006, 9, 12 Invited Lecture “Design of Small Artificial Catalysts Based on the Acid–Base Combination Chemistry” Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan, Republic of China
- (65) 2006, 9, 13 Invited Lecture “Design of Small Artificial Catalysts Based on the Acid–Base Combination Chemistry” Department of Chemistry, National Taiwan University, Taipei, Taiwan, Republic of China
- (66) 2006, 9, 14 Invited Lecture “Design of Small Artificial Catalysts Based on the Acid–Base Combination Chemistry” Department of Chemistry, National Taiwan Normal University, Taipei, Taiwan, Republic of China
- (67) 2006, 10, 6 招待講演 “低環境負荷型脱水縮合反応プロセスの開発” JST CREST環境ナノ触媒領域ワークショップ京都「グリーン有機合成の最前線」；主催：科学技術振興機構；JST研究成果活用プラザ京都（京都市西京区）

- (68) 2006, 10, 27 Invited Lecture “Rational Design of Small-molecule Artificial Enzymes Based on Acid–Base Combination Chemistry” The 16th Symposium on Optically Active Compounds, 光学活性化合物研究会主催、日本薬学会館長井記念ホール、Tokyo
- (69) 2006, 11, 2 招待講演 “エステル縮合触媒の基礎と応用” 特別講演会、東レ株式会社、繊維化学研究所、三島
- (70) 2006, 11, 12 招待講演 “酸・塩基複合化学に基づく精密分子触媒設計” 第37回中部化学関係協会支部連合秋季大会、愛知工業大学八千草キャンパス、2006年11月12-13日
- (71) 2006, 11, 21 Invited Lecture “Design of Highly Functional Small-molecule Catalysts Based on Acid–Base Combination Chemistry” Department of Chemistry, Yonsei University, Seoul, Korea
- (72) 2006, 11, 22 Invited Lecture “Design of Highly Functional Small-molecule Catalysts Based on Acid–Base Combination Chemistry” Department of Chemistry, POSTEC (Pohang University of Science and Technology), Pohang, Korea
- (73) 2006, 11, 23 Invited Lecture “Design of Highly Functional Small-molecule Catalysts Based on Acid–Base Combination Chemistry” Department of Chemistry, KAIST (Korea Advanced Institute of Science and Technology), Daejeon, Korea
- (74) 2006, 12, 12 依頼講演 “最小のサイズで最高の触媒機能を追求する精密有機合成触媒の開発” 第4回名古屋大学東京フォーラム、主催：名古屋大学、日本経済新聞社、経団連ホール、東京
- (75) 2006, 12, 16 Invited Lecture “Molybdenum(VI) Oxides as Highly Effective Dehydrative Cyclization Catalysts for the Synthesis of Oxazolines and Thiazolines” 2nd International Conference on Heterocyclic Chemistry, Dec. 16–19, 2006, Abstract: IL-4, Hotel Clark’s Amer, Jaipur, India
- (76) 2007, 1, 16 招待講演 “酸・塩基複合化学に基づく精密機能小分子触媒の設計” 主催：和光純薬工業株式会社、埼玉県川越市
- (77) 2007, 1, 17 依頼講演 “低環境負荷型触媒的脱水縮合反応プロセスの開発” 主催：日本サーファクタント工業株式会社、栃木県宇都宮市
- (78) 2007, 2, 15 依頼講演 “酸・塩基複合化学に基づく精密機能小分子触媒の設計：バイオミメティックハロポリエン環化反応” 主催：丸岡啓二、第一回有機触媒研究会、京都大学百周年時計台記念館 会議室111
- (79) 2007, 3, 27 Invited lecture “Design of dehydrative condensation catalysts based on acid–base combination chemistry” Abstract pp. 1–2, Japan/UK Green Sustainable Chemistry Symposium, Chemical Society of Japan & Royal Society of Chemistry, Kansai University, Osaka
- (80) 2007, 4, 17 招待講演 “酸・塩基複合化学を基盤とする機能触媒の設計” 特別講演会、万有製薬株式会社 創薬技術研究所、つくば市
- (81) 2007, 4, 18 依頼講演 TLO Academic Seminar: “有機金属求核剤の炭素–金属結合活性化を基盤とする高効率触媒反応の開発” CPhI JAPAN 2007(国際医薬品原料・中間体展)、Exhibition Catalogue 2007, pp. 10–11; 2007年4月18日～20日、主催：化学工業日報、東京ビッグサイト
- (82) 2007, 5, 18 招待講演 “酸・塩基複合化学を基盤とする機能触媒の設計” 東京農業工業大学(座長：長澤和夫)
- (83) 2007, 5, 19 招待講演 “バイオミメティックポリンエン環化反応” 有機合成化学協会中四国支部 第60回パネル討論会「有機合成化学の最前線 – 環をつくる」、要旨集pp. 1–6, 主催：高井和彦、有機合成化学協会中四国支部、岡山大学
- (84) 2007, 5, 29 Invited lecture “Biomimetic enantioselective haloiodocyclization of polyprenoids induced by nucleophilic phosphoramidites” International Conference on Asymmetric Organocatalysis, Scientific Research on Priority Areas Advanced Molecular Transformations of Carbon Resources, Abstract pp. 40–41, Otsu Prince Hotel, Shiga, Japan, May 28–29, 2007.
- (85) 2007, 6, 4 招待講演 “酸塩基複合化学を基盤とする触媒的エステル縮合反応の新展開” 主催：触媒学会ファインケミカルズ合成触媒研究会、名古屋大学ベンチャービジネスラボラトリー (ベンチャーホール)
- (86) 2007, 6, 7 Oral presentation: Kazuaki Ishihara,* Manabu Hatano, Eri Takagi, Sodium phexide–phosphine oxides as extremely active Lewis base catalysts for the Mukaiyama aldol reaction with ketones to generate vicinal quaternary carbon centers,” 8th International Symposium on Carbanion Chemistry (ISCC-8), Abstract pp. 66, Madison, WI, USA, June 6–10, 2007.

- (87) 2007, 6, 12 招待講演、大学院講義・特別講演会“酸塩基複合化学を基盤とするグリーン触媒の設計”岐阜薬科大学（座長：伊藤彰近）、岐阜県
- (88) 2007, 6, 22 依頼講演、講演会“Serendipity”、座長：渡邊晃男教諭（進学指導担当）、滝高等学校（滝学園）、江南市
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- (141) 2010, 7, 5 Plenary Lecture “Hypervalent Iodine-Catalyzed Enantioselective Oxidative Cyclizations,” 3rd international Conference on Hypervalent Iodine Chemistry (ICHIC2010), Book of Abstracts PL1, University of Bordeaux, France, 4–7 July, 2010.
- (142) 2010, 9, 3 依頼講演 “医薬品・有機材料の合成に用いるグリーン触媒”、テクノフェア名大2010、名古屋大豊田講堂、名古屋市.
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- (145) 2010, 9, 22 招待講演 “有機触媒を用いるエナンチオ選択的カップリング反応” 第3回有機触媒シンポジウム、東北大学片平キャンパス、仙台.

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- (147) 2010, 11, 6 招待講演 “キラルヨウ素触媒を用いる不斉酸化的カップリング反応,” 第37回中部化学関係学協会支部連合秋季大会, 予稿集1E08, pp. 32, 豊橋技術科学大学, 2010年11月6-7日.
- (148) 2010, 12, 6 Invited Lecture “Hypervalent Iodine-catalyzed Enantioselective Oxidative Cyclizations,” The XIV Organic Chemistry Conference (OCC), The National Organic Symposium Trust (NOST), Cidade De Goa, India, 5–8 December, 2010.
- (149) 2010, 12, 16 Invited Lecture, Kazuaki Ishihara,* Manabu Hatano, Takahiro Horibe, “Enantioselective direct Mannich-type reaction catalyzed by chiral lithium complexes,” Pacificchem2010, Honolulu, Hawaii, USA, December 15–20, 2010.
- (150) 2010, 12, 18 Invited Lecture, Kazuaki Ishihara,* Muhammet Uyanik, Takeshi Yasui, Hiroaki Okamoto, “Hypervalent iodine-catalyzed enantioselective oxidative cycloetherification of 3-(2-hydroxyphenyl)propan-1-ones to 2,3-dihydrobenzofuran-2-carbonyl derivatives,” Pacificchem2010, Honolulu, Hawaii, USA, December 15–20, 2010.
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- (152) 2011, 1, 28 Invited Lecture “Hypervalent Iodine-catalyzed Enantioselective Oxidative Cyclizations,” hosted by Professor Thomas Wirth, Department of Chemistry, Cardiff University, Cardiff, UK.
- (153) 2011, 2, 1 Invited Lecture, “Hypervalent Iodine Catalyses,” The Symposium of Catalysis and Sensing for Health (CAS) 11, University of Bath, Bath, UK, 31 January, 2011–2 February, 2011.
- (154) 2011, 3, 17 Invited Lecture “Rational Design of Asymmetric Cu(II) Catalyses Based on π - or n -Cation Interactions,” Nagoya University Global COE-RCMS International Symposium on Organic Chemistry and the 7th Yoshimasa Hiarata Memorial Lecture, Nagoya University.
- (155) 2011, 6, 28 招待講演 “工学部が拓く道”、講堂、滝高等学校.
- (156) 2011, 7, 2 招待講演 “元素戦略に基づく酸・塩基複合触媒の精密設計,” 第23回万有札幌シンポジウム 有機化学の深化と多様化、北海道大学工学部オープンホール.
- (157) 2011, 7, 12 Invited lecture “Asymmetric Hypervalent Iodine Catalyses,” The 23rd International Symposium on Chiral Discrimination (ISCD 23), Abstract p. 35, Liverpool, United Kingdom, 10–13 July, 2011.
- (158) 2011, 7, 14 Invited Lecture “Hypervalent Iodine-catalyzed Enantioselective Oxidative Cyclizations,” hosted by Professor Mike Shipman, Department of Chemistry, The University of Warwick, Warwick, United Kingdom.
- (159) 2011, 9, 2 依頼講演 “人工酵素への挑戦：レディメイドからテーラーメイドへ”、テクノフェア名大2011、名古屋大学豊田講堂、名古屋市.
- (160) 2011, 9, 9 Invited Lecture “Asymmetric Hypervalent Iodine Catalyses,” hosted by Professor Hendrik Zipse, LMU Munich, Munich, Germany.
- (160) 2011, 9, 12 Plenary Lecture “Advanced Hypervalent Iodine Catalyses,” The 22nd French–Japanese Symposium of Medicinal and Fine Chemistry (FJS-2011), Book of Abstracts L-1, Rouen, France, 11–14 September, 2011.
- (161) 2011, 9, 15 Invited Lecture “Asymmetric Hypervalent Iodine Catalyses,” hosted by Professor Jieping Zhu, EPFL, Lausanne, Switzerland.
- (162) 2011, 10, 2 Invited Lecture “Asymmetric Hypervalent Iodine Catalyses,” The 15th Korea–Japan Seminar on Organic Chemistry, Proceedings pp. 61–62, Rose Hall, Gyeongju KyoYuk MunHwa HoeKwan, Gyeongju-si, Korea, 30 September–3 October, 2011.
- (163) 2011, 11, 11 依頼講演 “エステル、ラクトン、カルボン酸無水物の新しい触媒的製造法” 名古屋大学新技術説明会 医薬品・医薬中間体・農薬、科学技術振興機構JSTホール (東京・市ヶ谷) .
- (164) 2011, 11, 15 招待講演 “レディメイド小分子触媒からテーラーメイド超分子触媒への新展開” 第2回ものづくりを革新する新しい触媒研究会：有機分子触媒からクロスカップリング金属触媒まで (座長：柴田哲男教授)、公益財団法人 科学技術交流財団、名古屋工業大学19号館602号室 (名古屋市昭和区御器所町) .

- (165) 2011, 11, 17 招待講演 “酵素を凌駕する動的超分子触媒の設計” 千葉大学理学部4号館1階マルチメディア1、ホスト：荒井孝義教授（千葉・西千葉）。
- (166) 2011, 12, 30 “Asymmetric Hypervalent Iodine Catalyses,” 8th AFMC International Medicinal Chemistry Symposium (AIMECS11) “Frontier of Medicinal Science”, Organized by: Asian Federation for Medicinal Chemistry (AFMC), Keio Plaza Hotel Tokyo, 29 November–2 December, 2011.
- (167) 2011, 12, 19 招待講演 “超原子価ヨウ素触媒,” 第22回万有仙台シンポジウム 有機合成化学における新物質・新手法・新思想、要旨集pp. 10–16、仙台国際センター。
- (168) 2011, 12, 20 招待講演 “酵素を凌駕する動的超分子触媒の設計” 積水メディカル岩手工場、花巻、岩手県。
- (169) 2012.1.31 Plenary lecture “Conformationally Flexible Supramolecular Catalysts,” AstraZeneca Excellence in Chemistry Award 2011 – Symposium, Ulf Widengren Auditorium, AstraZeneca India Pvt Ltd, Bangalore, India.
- (170) 2012.2.1 Invited lecture “Conformationally Flexible Supramolecular Catalysts,” hosted by Prof. Santanu Mukherjee, Department of Organic Chemistry, Indian Institute of Science (IISc), Bangalore, India.
- (171) 2012.2.2 Invited lecture “Asymmetric Hypervalent Iodine Catalyses,” Ulf Widengren Auditorium, AstraZeneca India Pvt Ltd, Bangalore, India.
- (172) 2012.2.3 Invited lecture “Conformationally Flexible Supramolecular Catalysts,” hosted by Prof. Choon Hong Tan, National University of Singapore, Singapore.
- (173) 2012.3.19 招待講演（理研セミナー）“配座柔軟性を活かした超分子不斉触媒の設計” 理化学研究所基幹研究所物質棟S-507会議室、埼玉県和光市（ホスト：袖岡有機合成化学研究室）。
- (174) 2012.3.23 招待講演 “超原子価ヨウ素触媒を用いる低環境負荷型有機変換反応の開拓,” プロセス化学セミナー, CPhI Japan（2012年3月21-23日、東京ビッグサイト）。
- (175) 2012.3.23 依頼講演 “デザイン型グリーン触媒：エステル交換、加水分解、脱水縮合、Baeyer-Villiger酸化、etc.,” TLO/大学知的財産本部技術移転セミナー, CPhI Japan（2012年3月21-23日、東京ビッグサイト）。
- (176) 2012.6.6 日本発！ヨウ素を触媒に用いる緑の合成化学 –ものづくりと環境技術–
第23回名大カフェ “Science, and Me”、会場：アルテゴ ドゥ ショウズ（名古屋市中区錦）
- (177) 2012.6.12 依頼講演 “テーラーメイド型超分子触媒の設計 – 酵素を凌駕する触媒活性、立体及び反応選択性制御を目指して,” CRESTプロセスインテグレーションに向けた高機能ナノ構造体の創出 研究領域 研究総括 立教大学 入江正浩 第2回公開シンポジウム –分子の世界からマクロの世界へ–, コクヨホール（品川）。
- (178) 2012.6.13 招待講演 “超原子価ヨウ素触媒を用いる緑の合成化学,” 大正製薬株式会社製薬技術研究所、さいたま市。
- (179) 2012.6.30 Invited lecture “Rational Design of Conformationally Flexible Supramolecular Catalysts,” hosted by Prof. Qingzhi Gao, Tianjin University (天津大学), Tianjin, China.
- (180) 2012.7.2 Invited lecture “Enantioselective Diels–Alder Reactions with Anomalous Endo/Exo-selectivities Using Conformationally Flexible Chiral Supramolecular Catalysts,” The 8th SINO–US Chemistry Professors Conference, July 1–4, 2012, EXPO-Garden Hotel, Kunming, China.
- (181) 2012.7.4 Invited lecture “Rational Design of Conformationally Flexible Supramolecular Catalysts,” hosted by Prof. Ying-Chun Chen, Sichuan University (四川大学), Chengdu (成都), China.
- (189) 2012.7.5 Invited lecture “Rational Design of Conformationally Flexible Supramolecular Catalysts,” hosted by Prof. Zhang-Jie Shi, Peking University (北京大学), Beign (北京), China.
- (190) 2012.7.6 Invited lecture “Rational Design of Conformationally Flexible Supramolecular Catalysts,” hosted by Prof. Weidong Li, Nankai University (南開大学), Tianjin (天津), China.
- (191) 2012.7.31 Invited lecture “Enantioselective Diels–Alder Reactions with Anomalous Endo/Exo-selectivities Using Conformationally Flexible Chiral Supramolecular Catalysts,” ○[Kazuaki Ishihara](#), Manabu Hatano, Tomokazu Mizuno, Atsuto Izumiseki, Ryota Usami, Takafumi Asai, Matsujiro Akakura, Abstract, pp. 80, 2nd International Conference on Molecular Catalysis (ICMFC-2), 30-31 July 2012, Biopolis, Singapore (Chairman: Prof. T. S. Andy Hor).

- (192) 2012.08.31 依頼講演 “環境に優しい縮合触媒の開発： ボロン酸触媒を用いるアミド、エステル、カルボン酸無水物合成法,” テクノフェア名大2012-未来を明日に近づける技術—、名古屋大学豊田講堂・シンポジオンホール
- (193) 2012.10.4 依頼講演 “鏡の国のサイエンス –アリスが見た分子の左右-,” あいちサイエンスフェスティバル2012、ジュンク堂書店ロフト名古屋店7階ブックサロン (名古屋市中区栄ナディアパーク)
- (194) 2012.10.10 Invited lecture “Hypervalent Iodine Catalyses,” The Fifth International Forum on Homogeneous Catalysis, State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry (SIOC), Shanghai, China, 9–12 October, 2012.
- (195) 2012.10.15 招待講演 “超原子価ヨウ素触媒を用いるエナンチオ選択的酸化的カップリング反応,” 第2回大塚有機合成シンポジウム、能力開発研究所・ヴェガホール、徳島県、2012年10月15–16日
- (196) 2012.10.23 招待講演 “酵素を凌駕する超分子触媒の開発を目指して,” ホスト: 小林進、東京理科大学薬学部 (千葉県野田市) .
- (197) 2012.12.4 招待講演 “超原子価ヨウ素触媒,” 有機合成化学協会東海支部総合講演会、信州大学繊維学部、総合研究等7階 ミーティングルーム1
- (198) 2012.12.9 Invited lecture “Hypervalent Iodine Catalyses,” 6th International Meeting on Halogen Chemistry (HALCHEM-VI), Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560012, India, December 8–11, 2012.
- (199) 2012.12.17 Invited lecture “Liphophilic ammonium pyrosulfate catalysts for esterification and hydrolysis under aqueous conditions,” First Japan–USA Organocatalytic Symposium, Waikiki Prince Hotel, Hawaii, USA, December 15-18, 2012.
- (200) 2013.1.21 招待講演 “超原子価ヨウ素触媒を用いる選択的カップリング反応,” 東京工業大学資源化学研究所 (ホスト: 岩本正和教授)
- (201) 2013.1.22 招待講演 “環境に優しい過酸化水素を用いる酸化反応の開発,” 三菱ガス化学株式会社東京研究所 (葛飾区新宿金町 東京テクノパーク)
- (202) 2013.1.25 招待講演 “超原子価ヨウ素触媒を用いる脱水素型有機変換反応の開発,” 住友化学株式会社健康・農業関連事業所(宝塚、大阪)
- (203) 2013.3.15 招待講演 “ハロゲンを利用する高選択的触媒反応の開発,” 住友化学株式会社 持田製薬株式会社総合研究所記念館会議室(静岡県御殿場市)
- (204) 2013.3.20 依頼講演 “夢の化学反応にかける学生たちの研究のはなし,” 名古屋大学オープンレクチャー2013、名古屋大学東山キャンパス (名古屋大学リサーチ・アドミニストレーション室主催) .
- (205) 2013.3.22 招待講演 “高機能ソフト超分子触媒の開発” 講演番号1S2-02、日本化学会第93春季年会、有機合成化学を起点とするものづくり戦略、立命館大学びわこ・くさつキャンパス
- (206) 2013.4.20 Invited lecture “L18 Rational Design of Chiral Supramolecular Catalysts,” 4th UK/Japan Conference in Catalytic Asymmetric Synthesis, UK/Japan CAS Organization Committee, Sendai International Centre, April 19–20, 2013
- (207) 2013.4.25 依頼講演 “超原子価ヨウ素触媒を用いる酸化的カップリング反応,” TLO/大学知的財産本部技術移転セミナー, CPhI Japan (2013年4月24–26日、東京ビッグサイト)
- (208) 2013.5.13 Plenary lecture “Rational Design of Chiral Supramolecular Catalysts Based on Acid–Base Combination Chemistry,” 7th International Symposium on Acid–Base Catalysis (ABC-7), Tokyo, Japan, May 12–15, 2013
- (209) 2013.5.23 Invited lecture “Rational Design of Chiral Supramolecular Catalysts for Endo/Exo- and Enantioselective Diels–Alder Reaction,” Nagoya Symposium 2013, ES Hall, Nagoya University, Nagoya, May 23, 2013.
- (210) 2013.6.13 Invited lecture “Rational Design of Chiral Supramolecular Catalysts Based on Acid–Base Combination Chemistry” hosted by Professor Shuli You, Shanghai Institute of Organic Chemistry, Chinese Academia Sciences (中国科学院・上海有機化学研究所), Shanghai, China, June 13, 2013

- (211) 2013.6.13 Invited lecture “Rational Design of Chiral Supramolecular Catalysts Based on Acid–Base Combination Chemistry” hosted by Professor Jian Zhou, East China Normal University (華東師範大学), Shanghai, China, June 13, 2013
- (212) 2013.6.14 Invited lecture “Rational Design of Chiral Supramolecular Catalysts Based on Acid–Base Combination Chemistry” hosted by Professor Wei Huang, Shanghai Institute of Materia Medica, Chinese Academia Sciences (中国科学院・上海薬物研究所), Shanghai, China, June 14, 2013
- (213) 2013.6.14 Invited lecture “Rational Design of Chiral Supramolecular Catalysts Based on Acid–Base Combination Chemistry” hosted by Professor Jie Wu, Fudan University (復旦大学), Shanghai, China, June 14, 2013
- (214) 2013.6.15 Invited lecture “Rational Design of Chiral Supramolecular Catalysts Based on Acid–Base Combination Chemistry” hosted by Professor Wei Wang, East China University of Science and Technology (華東理工大学), Shanghai, China, June 15, 2013
- (215) 2013.9.6 一般講演 “安全・安価なカルボン酸アミド合成法：ボロン酸触媒を用いる脱水縮合反応の新展開,” テクノ・フェア名大2013, 名古屋大学豊田講堂・シンポジオンホール
- (216) 2013.9.11 招待講演 “酸塩基複合触媒の精密設計,” ホスト：中田雅久、早稲田大学理工学院術院化学・生命化学科講演会、早稲田大学西早稲田キャンパス55号館
- (217) 2013.9.23 依頼講演 “大発見・大発明に大切なセレンディピティーのはなし,” 秋の名古屋大学オープンレクチャー2013, 2013.9.23/名古屋大学 理学南館1階坂田・平田ホール、他 (名古屋大学リサーチ・アドミニストレーション室主催)
- (218) 2013.9.25 Invited lecture SIL-15 “Unusual C-Selective and Diastereoselective Alkylation to α -Imino Esters with Zinc(II) Ate Reagent,” The 10th International Symposium on Carbanion Chemistry (ISCC-10), Kambaikan, Doshisha University, September 23-26, 2013.
- (219) 2013.9.29 Invited lecture “Nucleophilic Phosphorus Catalyst-induced Stereoselective Halocyclizations,” The 16th Japan–Korea Seminar on Organic Chemistry, Akiu Resort Hotel Crescent, Sendai, September 27–30, 2013.
- (220) 2013.10.31 招待講演 “酸塩基複合化学を基盤とする高機能触媒の開発,” ホスト：竹本佳司教授、京都大学薬学研究科特別講演会、京都大学薬学研究科
- (221) 2013.11.1 一般講演 “含フッ素亜リン酸エステル触媒を用いる位置及び立体選択的プロモポリエン環化反応,” 石原一彰、澤村泰弘、仲辻秀文、坂倉彰、フルオラス科学研究会第6回シンポジウム、岡山国際交流センター2F 国際会議場
- (222) 2013.11.07 受賞講演 “超原子価ヨウ素触媒を用いる高選択的有機変換反応の開発,” 第104回有機合成シンポジウム, 2013年11月6日–7日, 早稲田大学国際会議場
- (223) 2013.11.15 招待講演 “安価で高活性なランタン触媒の開発とエステル交換反応への展開,” 希土類 **2013.11**, No. 63, pp. 25–34, 日本希土類学会第31回講演会, ホテル ルブラ王山
- (224) 2013.12.23 依頼講演 “化学研究者・研究者育成のための魅力ある大学・大学院教育を目指して,” 第43回東海地区化学教育セミナー (主催 日本化学会東海支部 化学教育協議会), 名古屋大学工学研究科1号館121講義室
- (225) 2014.4.10 依頼講演 “TLO-11 高効率アミド合成：ボロン酸とDMAPOの協奏触媒による脱水縮合反応,” TLO/大学知的財産本部技術移転セミナー, CPhI Japan (2014年4月9–11日、東京ビッグサイト)
- (226) 2014.5.9 Plenary “PL5 Stereoselective halocyclization Catalyzed by Chiral Lewi Bases,” The 6th ORCA Meeting (The 6th Organocatalysis Meeting), The Hotel La Torre, Modello in Palermo, Italy, May 7th-10th, 2014
<http://portale.unipa.it/6th-ORCA---COST-Meeting-Welcome/>
- (227) 2014.6.3 依頼講演 “酸塩基複合化学を基盤とする機能触媒の設計(Design of functional catalysts based on acid–base combination chemistry),” CREST 「プロセスインテグレーションに向けた高機能ナノ構造体の創出」研究領域 第4回公開シンポジウム 高機能ナノ構造体 一分子の世界からマクロの世界へ (要旨集 page 7)、コクヨホール (品川)
- (228) 2014.6.17 Invited lecture “Rational design of High-performance Catalysts Based on Acid–Base Combination Chemistry,” A mini symposium hosted by Professor Ernst Peter Kündig, University of Geneva, Switzerland

- <https://www.unige.ch/sciences/chiorg/conferences?dept=chiorg>
- (229) 2014.6.21 Invited lecture “(IL26) Catalytic Enantioselective Iodolactonization of 4-Substituted 4-Pentenoic Acids Promoted through Halogen Bonding,” 1st International Symposium on Halogen Bonding (ISXB-1), Le Dune Suite Hotel, Porto Cesareo, Italy, June 18-22, 2014
- (230) 2014.6.24 Invited lecture “Rational design of High-performance Catalysts Based on Acid-Base Combination Chemistry,” hosted by Professor Pier Giorgio Cozzi, University of Bologna, Italy
- (231) 2014.7.10 招待講演 “酵素機能を指向する酸塩基複合触媒の設計,” 創薬懇話会2014 in 岐阜, 2014年7月10-11日、長良川温泉ホテルパーク (岐阜市)
<http://www.gifu-pu.ac.jp/lab/souyaku/>
- (232) 2014.7.23 Invited lecture “Enantioselective 1,3-Dipolar Cycloaddition of Azomethine Imines with Propioloylpyrazoles Induced by Chiral π -Cation Catalysts”, (Chair: Dr. He-Kuan Luo) 4th International Conference on Coordination Chemistry (ICCC-41), Suntec Singapore Convention & Exhibition Centre, Singapore, July 21–25, 2014.
<http://www.iccc41.org/>
- (233) 2014.7.31 招待講演 “I-5 プロセス化学を指向した酸塩基複合触媒の開発,” 座長：貴志直文 (第一三共), 2014年7月31日-8月1日, 日本プロセス化学会2014サマーシンポジウム, タワーホール船堀 (東京都江戸川区)
<http://www.cdsympo.com/process2014/>
- (234) 2014.9.12 Invited lecture “Design of High-performance Catalysts Based on Halogen Chemistry,” hosted by Prof. Wanbin Zhang, Shanghai Jiao Tong University (上海交通大学), Shanghai (上海), China.
- (235) 2014.9.13 Invited lecture “Design of High-performance Catalysts Based on Halogen Chemistry,” hosted by Prof. Chuanying Li, Zhejiang Sci-Tech University (浙江理工大学), Hangzhou (杭州), China.
- (236) 2014.9.13 Invited lecture “Design of High-performance Catalysts Based on Halogen Chemistry,” hosted by Prof. Yi-Xia Jia, Zhejiang University of Technology (浙江工业大学), Hangzhou (杭州), China.
<http://www.ce.zjut.edu.cn/ShowNewsPageAction.do?newsID=2959&smallClassID=122&bigClassID=15>
- (237) 2014.9.15 Invited lecture “Design of High-performance Catalysts Based on Halogen Chemistry,” hosted by Prof. Bo Liu, College of Chemistry, Sichuan University (四川大学化学学院), Chengdu (成都), China.
- (238) 2014.9.15 Invited lecture “Design of High-performance Catalysts Based on Halogen Chemistry,” hosted by Prof. Yin-Chun Chen, West China School of Pharmacy, Sichuan University (四川大学华西药学院), Chengdu (成都), China.
- (239) 2014.9.17 Invited lecture “Design of High-performance Catalysts Based on Halogen Chemistry,” hosted by Prof. Jian Zhou, East China Normal University (華東師範大学), Shanghai (上海), China.
- (240) 2014.9.25 Invited AbbVie lecture “The Development of Catalytic Enantioselective Cyclizations Based on Iodine Chemistry,” hosted by Prof. Scott E. Denmark, 116 Roger Adams Laboratory, The University of Illinois at Urbana-Champaign, USA.
<http://illinois.edu/calendar/detail/1381?eventId=30461156&calMin=201409&cal=20140924&skinId=737>
- (241) 2014.10.1 依頼講演 “超分子触媒を用いるエナンチオ-, ジアステレオ-, レジオ-, 基質選択的Diels-Alder反応,” 戦略目標「プロセスインテグレーションによる次世代ナノシステムの創製」3研究領域第2回合同公開シンポジウム (科学技術振興機構) (要旨集 pp. 3-4), コクヨホール (品川) .
- (242) 2014.11.7 招待講演 “酸塩基複合化学を基盤とする触媒設計,” 特別講演会 (ホスト: 南方聖司教授)、大阪大学大学院工学研究科応用化学専攻
- (243) 2014.11.14 招待講演 “遷移金属の代替元素としてヨウ素を利用した触媒的酸化的カップリング反応の開発,” 座長: 伊藤俊幸教授、第24回グリーンケミストリーフォーラム、鳥取大学工学研究科大講義室
<http://www.chem.tottori-u.ac.jp/gsc/Seminar/2014-2p.pdf#search=%27GSC%E3%83%95%E3%82%A9%E3%83%BC%E3%83%A9%E3%83%A0%27>
- (244) 2014.12.1-4 Invited Lecture: OP-21 “Catalytic enantioselective cyclization reaction to construct chroman skeletons,” The 9th International Conference on Cutting-Edge Organic Chemistry in Asia (ICCEOCA-9)/The 5th New Phase International Conference on Cutting-Edge Organic Chemistry in Asia (NICCEOCA-5), Eastin Hotel Petaling Jaya, Malaysia.

- (245) 2014.12.12 招待講演 “酸塩基複合化学を基盤とする触媒設計,” 特別講演会 (ホスト: 国嶋崇隆教授)、金沢大学医薬保健研究領域薬学系
- (246) 2015.1.7 招待講演 “エステル・アミド縮合触媒の開発,” 株式会社大阪合成有機化学研究所本社、兵庫県西宮市
- (247) 2015.1.9–10 依頼講演 “トコフェロールの触媒的不斉合成,” 第26回ビタミンE研究会, 北里大学薬学部コンベンションホール <http://www.sunpla-mcv.com/vitaminE/nenkai.html>
- (248) 2015.1.13 招待講演 “酸塩基複合化学を基盤とする高機能触媒の開発,” 第一三共株式会社品川研究開発センター
- (249) 2015.3.21 依頼講演 “技が冴える分子世界の匠のはなし,” 名古屋大学オープンレクチャー2015,” 名古屋大学工学研究科1号館144講義室
<http://www.aip.nagoya-u.ac.jp/public/openlecture/index.html>
- (250) 2015.5.11 Invited Lecture: “Rational Design of High Performance Catalysts Based on Organoboronic Acids,” (Host: Professor Glenn Sammis), Location: Chemistry D215, University of British Columbia, Vancouver, Canada
<http://www.chem.ubc.ca/rational-design-high-performance-catalysts-based-organoboronic-acids>
- (251) 2015.5.13 Invited Lecture: “Rational Design of High Performance Catalysts Based on Organoboronic Acids,” (Host: Professor Dennis Hall), Location: CCIS L2 190, University of Alberta, Edmonton, Canada
http://uofa.ualberta.ca/science/events/chemistry/_6gq44e9o60pjb9o6gsj0b9k69136ba264r3aba4711jed9k74sj8hi68o
- (252) 2015.5.14 Invited Lecture: “Rational Design of High Performance Catalysts Based on Organoboronic Acids,” (Host: Professor Chang-Chun Ling), Location: SB 142, University of Calgary, Alberta, Canada
<http://www.ucalgary.ca/chem/event/2015-05-14/dr-kazuaki-ishihara-nagoya-university>
- (253) 2015.6.2 Invited lecture: “Rational Design of Supramolecular Acid–Base Catalysts,” (Host: Professor Man-kin Wong), Location: Y817, the Hong Kong Polytechnic University (香港理工大學), Hong Kong, China [2014 ACP Lectureship Award (from Hong Kong)].
- (254) 2015.6.3 Invited lecture: “Rational Design of Supramolecular Acid–Base Catalysts,” (Host: Professor Ken F. C. Leung), Location: SCT 909, the Hong Kong Baptist University (香港浸會大學), Hong Kong, China [2014 ACP Lectureship Award (from Hong Kong)].
<http://chem.hkbu.edu.hk/en/home/events&n=186>
- (255) 2015.6.4 Invited lecture: “Rational Design of Supramolecular Acid–Base Catalysts,” (Host: Professor Pauline Chiu), the University of Hong Kong (香港大學), Location: Lecture theatre P1, Hong Kong, China [2014 ACP Lectureship Award (from Hong Kong)].
- (256) 2015.6.5 Invited lecture: “Rational Design of Supramolecular Acid–Base Catalysts,” (Host: Profs. Jianwei Sun and Rongbiao Tong), the Hong Kong University of Science and Technology (香港科技大學), Location: Rm 4505, 4/F (Lift 25/26) Academic Building, Hong Kong, China [2014 ACP Lectureship Award (from Hong Kong)].
<http://ucalendar.ust.hk/cgi-bin/day.php?day=05&mon=06&yr=&mon2=05&yr2=2015&fmt=largeMonth>
- (257) 2015.6.15–16 招待講演: “酸塩基二重活性化を利用する高機能触媒の設計: アミド宿業反応及び不斉ヘテロ環化反応への展開,” 平成27年度前期 (春季) 有機合成化学講習会, (公社) 日本薬学会会長井記念館長井記念ホール (東京、渋谷)
<https://www.ssocj.jp/event/kousyukai/2015spring.php>
- (258) 2015.7.6–9 Invited lecture: “[C-3] Design of Supramolecular Catalysts for the Enantio-, Diastereo-, Regio-, and Substrate-Selective Diels–Alder Reaction,” 第39回内藤コンファレス The chemistry of organocatalysts 「有機分子触媒の化学」, シャトレーゼ ガトーキングダム サッポロ 札幌市北区東茨戸132番地
- (259) 2015.9.1–2 招待講演: “酸塩基複合化学を鍵とするキラル金属塩触媒の設計,” 有機合成夏期セミナー 「明日の有機合成化学」、有機合成化学協会関西支部主催, 大阪科学技術センター8F 中・小ホール
<http://www.soc-kansai.org/event/2015/2015summer.html>

- (260) 2015.9.3-6 Invited lecture: “[L-15] Enantioselective halocyclizations induced by chiral base–acid cooperative catalysis,” HALCHEM VII (7th International Meeting on Halogen Chemistry), the Jan Długosz University in Częstochowa, Poland
http://212.87.235.14/halchem7/viewpage.php?page_id=1
- (261) 2015.9.16 受賞講演: “ヨウ素触媒及び反応剤を用いる高選択的有機変換反応の開発,” 第18回ヨウ素学会シンポジウム, 千葉大学西千葉キャンパス総合校舎
<http://fiu-iodine.org/wp/wp-content/uploads/2015/08/2d4cf153dc4d9c076c0b307d4bcfd78a1.pdf>
- (262) 2015.9.26 招待講演: “酸塩基複合化学を鍵とする触媒活性と選択性の制御,” 第9回北里化学シンポジウム, 北里大学白金キャンパス
<http://www.pharm-kitasato-u-orgsyn.com/2015akps/>
- (263) 2015.10.2 口頭発表: “O-3 アミド脱水縮合反応に有効なフッ素含有フェニルボロン酸触媒: 新たな展開へ”
 石原一彰、魯彦会
 フルオラス科学研究会第8回シンポジウム、清水テルサ (静岡市東部勤労者福祉センター) 7階会議室
- (264) 2015.10.13 Invited lecture: “Rational Design of Supramolecular Acid–Base Catalysts,” National Sun Yat-sen University (國立中山大學) (Host: Prof. Mi-Ju Wu), Kaohsiung, Taiwan, 2015 Asian Core Program Lectureship Award on Cutting-Edge Organic Chemistry in Asia (by Coordinator of Taiwan)
- (265) 2015.10.14 “Rational Design of Supramolecular Acid–Base Catalysts,” National Taiwan Normal University (國立師範大學) (Host: Hsyueh-Liang Wu), Taipei, Taiwan, 2015 Asian Core Program Lectureship Award on Cutting-Edge Organic Chemistry in Asia (by Coordinator of Taiwan)
- (266) 2015.10.15 “Rational Design of Supramolecular Acid–Base Catalysts,” Academia Sinica (中央研究院) (Host: Rong-Jie Chein), Taipei, Taiwan, 2015 Asian Core Program Lectureship Award on Cutting-Edge Organic Chemistry in Asia (by Coordinator of Taiwan)
- (267) 2015.11.5 依頼講演「大学は人生の通過点に過ぎない。その先の夢に向かって、今すべきことを。」プチカー (大学・学部を知るワークショップ) 愛知県立丹羽高等学校
- (268) 2015.11.18 Plenary Lecture: “Rational Design of Chiral Acid–Base Combined Catalysts,” (Chair: prof. Shinichi Saito), 14th Symposium on Chemical Approach to Chirality, Morimoto Memorial Hall, Kagurazaka, Tokyo. <http://www.rs.kagu.tus.ac.jp/chiral/14thSympo.html>
- (269) 2015.12.16 ○Kazuaki Ishihara, Yanhui Lu
 Invited lecture: “ORGN 609: Boronic acid–DMAPO cooperative catalysis for dehydrative condensation of carboxylic acids with amines,” Organoboron Chemistry: Applications in Organic Synthesis, Biology, and Materials (#100) [1P], Tapa Tower, Tapa Ballrm 1 (Hilton Hawaiian Village), Pacificchem 2015, Honolulu, Hawaii, USA, December 15-20, 2015.
- (270) 2015.12.17 ○Kazuaki Ishihara, Hidefumi Nakatsuji
 Invited lecture: “ORGN 1172: Enantioselective iodocyclization induced by chiral base–acid cooperative catalysis,” Recent Trends in Organocatalysis (#122) [1A], Mid-Pacific Center, Coral 4 (Hilton Hawaiian Village), Pacificchem 2015, Honolulu, Hawaii, USA, December 15-20, 2015.
- (271) 2015.12.18 ○Kazuaki Ishihara, Manabu Hatano, Keisuke Nishikawa
 Oral: “ORGN 1728: Synthesis of 3,3'-Diaryl-1,1'-binaphthalene-2,2'-disulfonic Acids and Design of Chiral 3,3'-Ar₂-BINSA Salt Catalysts,” New Organosulfur Chemistry (#436) [3A], Mid-Pacific Center, Sea Pearl Suites 3 & 4 (Hilton Hawaiian Village), Pacificchem 2015, Honolulu, Hawaii, USA, December 15-20, 2015.
- (272) 2015.12.26 招待講演「非共有結合性相互作用を鍵とする高機能触媒の設計」
 日本薬学会関東支部第40回学術講演会「創薬イノベーションを支える最先端サイエンス」、長井記念館長井記念ホール、要旨集 pp. 5-7.
- (273) 2016.1.30 依頼講演「キラルピナフチルジスルホン酸(BINSA)を用いる超分子触媒の設計と反応開発」
 新学術領域研究「精密制御反応場」第1回公開シンポジウム 東京工業大学蔵前会館くらまえホール
- (274) 2016.2.18 受賞講演「酸塩基複合化学に立脚する高機能触媒の創製」、2015年度有機合成化学協会賞 (学術的) 受賞、如水会館スターホール
- (275) 2016.3.14 招待講演「エステル・アミド縮合触媒の開発」、第5回慶應義塾大学戦略的研究基盤形成支援事業シンポジウム 有機合成化学一効率化と環境調和性一、慶應義塾大学矢上キャンパス、厚生棟大会議室
- (276) 2016.4.22 招待講演「有機反応を自在に操るための酸塩基複合化学」、協和発酵キリン株式会社 富士リサーチパーク、静岡県駿東郡長泉町

- (277) 2016.6.2 招待講演「フッ素置換基を利用する触媒設計」、第13回フッ素相模セミナー、相模中央化学研究所 大会議室、神奈川県綾瀬市、2016年6月2日～3日
- (278) 2016.6.9 Keynote Lecture: KN09 “Cooperative Activation with Chiral Lewis Base Catalysts and N-Haloimides: Catalytic Enantioselective Iodocyclization,” 2nd International Symposium on Halogen Bonding (ISXB2), Gothenburg, Sweden, June 6-10, 2016
<http://www.isxb-2.eu/>
- (279) 2016.6.13 Invited Lecture: “Cooperative Activation with Chiral Lewis Base Catalysts and N-Haloimides: Catalytic Enantioselective Iodocyclization,” Stockholm University (Host: Berit Olofsson), Stockholm, Sweden
<http://www.organ.su.se/pdf/2016-06-1314.00.pdf>
- (280) 2016.6.28 Invited Lecture: “Enantioselective iodocyclization reactions induced by chiral Lewis acid–base catalysis,” Ruhr University Bochum, (Host: Professor Stephan M. Huber), Bochum, Germany
- (281) 2016.6.29 Invited Lecture: “Enantioselective iodocyclization reactions induced by chiral Lewis acid–base catalysis,” Westfälische Wilhelms-University Münster (Host: Prof. Frank Glorius), Germany
- (282) 2016.7.4 Invited Lecture: “IL-5 I(III)-Catalyzed Enantioselective Synthesis of Masked ortho-Benzoquinones and Related Reactions,” ICHIC 2016 (5th International Conference of Hypervalent Iodine Chemistry), Eurotel Victoria, Les Diablerets, Switzerland, 3–6, July, 2016.
- (283) 2016.7.21 招待講演「有機反応の立体化学を触媒で自在に制御する」、平成28年度有機合成化学協会東海支部若手研究者のためのセミナー、三重大学新産業創成研究拠点セミナー室、津市
- (284) 2016.8.8 模擬講義「分子の匠：分子を意のままにつくりたい」、2016年度名古屋大学オープンキャンパス 化学・生命工学科名古屋大学工学部1号館121講義室
- (285) 2016.9.12 招待講演「テーラーメイド触媒の設計」、高知大学理学部応用理学科（座長：市川善康教授）、理学部共通講義室4（情報科学棟1F）
- (286) 2016.11.8 Invited lecture “Enantioselective Addition Reactions of 3-Butynoyl-1H-pyrazole Catalyzed by Chiral π -Cu(II) Complexes,” Chiral India 2016 (5th International Conference and Exhibition), Holiday Inn, Mumbai, India, 8–9th Nov., 2016.
- (287) 2016.11.11 Invited lecture “Enantioselective Addition Reactions of 3-Butynoyl-1H-pyrazole Catalyzed by Chiral π -Cu(II) Complexes,” C&FC 2016 (Catalysis and Fine Chemicals 2016), Howard Civil Service International House, Taipei, Taiwan, 10–14th Nov., 2016.
- (288) 2016.11.14 依頼講演「強力な研究室を作るためのマネジメント」、化学ラボラトリーマネジメント ～ブレイクをめざす情報センリヤク～、CSJ化学フェスタ、タワーホール船堀、2016年11月11–16日
- (289) 2016.11.21 招待講演「酵素を凌駕するテーラーメイド触媒の開発を目指して」名古屋大学東山キャンパス理学南館大講堂（坂田・平田ホール）（独）日本学術振興会創造機能化学第116委員会東海地区講演会
- (290) 2016.12.19 Designated lecture “Enantioselective Addition Reactions of 3-Butynoyl-1H-pyrazole Catalyzed by Chiral π -Cu(II) Complexes,” The 1st M&M SYNTECH Unit International Meeting 2016 (Host: 最先端機能分子・材料合成技術ユニット（研究大学強化促進事業 最先端国際研究ユニット）), VBL Hall, Nagoya University
- (291) 2017.1.17 招待講演「第四級アンモニウム円触媒を用いるエステル交換反応」、共栄社化学株式会社奈良研究所
- (292) 2017.3.16 招待講演「触媒の鍵穴制御による高次選択的反応の開発」、特別企画講演1S6-04、分子空間化学に基づく精密有機合成・機能展開、日本化学会第97春季年会、慶應義塾大学、日吉キャンパス、2017年3月16–19日
- (293) 2017.4.26 Invited lecture “Rational Design of Chiral Brønsted Acid Catalysts Based on Acid–Base Combination Chemistry,” Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences (Host: Professor Shu-Li You), Shanghai, China
- (294) 2017.4.27 Invited lecture “Rational Design of Chiral Brønsted Acid Catalysts Based on Acid–Base Combination Chemistry,” East China Normal University (Host: Professor Xuefeng Jiang)
<http://www.ecnu.edu.cn/66/30/c1950a91696/page.htm>
- (295) 2017.4.27 Invited lecture “Rational Design of Chiral Brønsted Acid Catalysts Based on Acid–Base Combination Chemistry,” Shanghai Jiao Tong University (Host: Professor Wanbin Zhang)

<http://www.sjtu.edu.cn/xiaoli/xlactivitycontent.jsp?urltype=news.NewsContentUrl&wbtreeid=1251&wbnewsid=70368>

- (296) 2017.4.28 Invited lecture “Rational Design of Chiral Brønsted Acid Catalysts Based on Acid–Base Combination Chemistry,” Shanghai Institute of Organic Chemistry, Shanghai Institute of Materia Medica, Chinese Academy of Sciences (Host: Professor Ming-Hua Xu)
- (297) 2017.4.28 Invited lecture “Rational Design of Chiral Brønsted Acid Catalysts Based on Acid–Base Combination Chemistry,” East China University of Science and Technology (Host: Professor Wei-Ping Deng)
<http://pharmacy.ecust.edu.cn/2017/0426/c2590a63400/page.htm>
- (298) 2017.5.13 Designated Lecture OR-10 “Rational Design of Chiral Brønsted Acid Catalysts for Enantioselective Reactions,” 2nd International Symposium on Precisely Designed Catalysts with Customized Scaffolding, Hankyu Sanwa Hall, Ichō Kaikan, Osaka University Suita Campus
<http://precisely-designed-catalyst.jp/jpn/events/pdf/20170512Program-intl-sympo.pdf>
- (299) 2017.5.16 Invited lecture “Multiselective Diels–Alder Reaction Induced by Chiral Supramolecular Lewis Acid Catalysts,” Asian Core Program Lectureship to Korea 2016 (Host: Prof. Hee-Seung Lee), KAIST (Korea Advanced Institute of Science and Technology (韓国科学技術院)), Daejeon, Korea
- (300) 2017.5.17 Invited lecture “Multiselective Diels–Alder Reaction Induced by Chiral Supramolecular Lewis Acid Catalysts,” Asian Core Program Lectureship to Korea 2016 (Host: Prof. Duck-Hyung Lee), Sogang University (西江大学), Seoul, Korea
- (301) 2017.5.18 Invited lecture “Multiselective Diels–Alder Reaction Induced by Chiral Supramolecular Lewis Acid Catalysts,” Asian Core Program Lectureship to Korea 2016 (Host: Prof. Do Hyun Ryu), Sungkyunkwan University (成均館大学), Suwon, Korea
- (302) 2017.6.23 Invited lecture 「エステル・アミド縮合触媒及び酸化触媒の開発」、第2回「有機分子触媒による高度分子変換技術」講習会 主催：研究開発専門委員会「有機分子触媒による高度分子変換」、東京大学薬学部講堂
- (303) 2017.7.24–26 Oral Presentation “Chiral Nucleophilic Amidophosphate-catalyzed Enantioselective Iodocyclization,” 18th Tetrahedron Symposium Asia Edition, Melbourne, Australia, 24th July, 2017.
- (304) 2017.8.1 Invited lecture “Rational Design of Chiral Supramolecular Acid–Base Combined Catalysts,” Institute of Microbial Chemistry (微生物化学研究所), the Guest Seminar by Shibasaki laboratory (Host: Dr. Masakatsu Shibasaki, Chair: Dr. Naoya Kumagai)
- (305) 2017.10.9 招待講演「ハロゲンに魅せられて：次世代触媒の研究戦略」、あいちサイエンスフェスティバル2017「分子をつなぐキューピット！？」触媒が広げた化学の世界、名古屋大学東山キャンパス理学南館坂田・平田ホール
- (306) 2017.10.21 ショートプレゼンテーション「触媒で化学反応を意のままに操る」、有機・高分子化学専攻（化学生命工学科）、テクノ・フェア名大2017、IB電子情報館中棟1階、名古屋大学
- (307) 2017.11.7 Invited Lecture “Rational Design of Tunable Chiral Brønsted Acid Catalysts for Enantioselective Reactions,” Chiral India 2017, Mumbai, India, 7–8 Nov., 2017
- (308) 2017.11.20 Invited Lecture “Chiral Nucleophilic Amidophosphate-catalyzed Enantioselective Iodocyclization,” 1st Singapore Japan Germany Trilateral Symposium on Precision Synthesis & Catalysis, School of Physical and Mathematical Sciences, 20–21 Nov., 2017.
- (309) 2017.12.4 Designated lecture “Boronic Acid-Catalyzed Dehydrative Condensation Reaction Directed towards Peptide Synthesis,” The 2nd M&M SYNTHECH Unit International Meeting 2017, Venture Hall, Venture Business Laboratory, Nagoya University, 4 Dec., 2017.
- (310) 2018.3.12 Invited Lecture “Rational Design of High-Performance Catalysts Based on Acid–Base Combination Chemistry,” Peking University, Beijing, P. R. China (Host: Professor Zhi-Xiang Yu)
- (311) 2018.3.13 Awarded Lecture of Nankai University Lectureship on Organic Chemistry “Rational Design of High-Performance Catalysts Based on Acid–Base Combination Chemistry,” Nankai University, Tianjin, P. R. China (Host: Professor Gong Chen)
<http://skleoc.nankai.edu.cn/en/class/view?id=161>
- (312) 2018.3.14 Invited Lecture “Rational Design of High-Performance Catalysts Based on Acid–Base Combination Chemistry,” Tianjin University, Tianjin, P. R. China (Host: Professor Yunfei Du)

- (313) 2018.3.22 3S1-01 CSJ Award Presentation “Rational Design of High-Performance Acid–Base Catalysts”
The 98th CSJ Annual Meeting, Funabashi Campus, College of Science and Technology, Nihon University, Funabashi, Japan, March 20–23, 2018
- (314) 2018.5.15 Invited Lecture “Rational Design of High-Performance Acid–Base Catalysts,” Jiangxi Normal University (江西師範大学), Nanchang, P. R. China (Host: Professor Junfeng Zhao)
- (315) 2018.5.28 Invited lecture “Rational Design of High-Performance Acid–Base Catalysts,” Asian Core Program Lectureship to Hong Kong 2018 (Host: Prof. Ying Yeung Yeung), The Chinese University of Hong Kong (香港中文大学), Hong Kong
- (316) 2018.5.28 Invited lecture “Rational Design of High-Performance Catalysts Based on Acid Base Combination Chemistry,” Asian Core Program Lectureship to Hong Kong 2018 (Host: Prof. Hoi Lun Kwong), City University of Hong Kong (香港城市大学), Hong Kong
- (317) 2018.5.29 Invited lecture “Rational Design of High-Performance Catalysts Based on Acid Base Combination Chemistry,” Asian Core Program Lectureship to Hong Kong 2018 (Host: Prof. Ken Cham-Fai Leung, Hong Kong Baptist University (香港浸会大学), Hong Kong
- (318) 2018.5.29 Invited lecture “Rational Design of Amidation and Esterification Catalysts Based on Acid Base Combination Chemistry,” Asian Core Program Lectureship to Hong Kong 2018 (Host: Prof. Ying Yeung Yeung), The Chinese University of Hong Kong (香港中文大学), Hong Kong
- (319) 2018.6.11 Keynote “Cooperative System of Chiral Lewis Base Catalysts and Halo-Lewis Acids for Enantioselective Halocyclization,” ISXB3 (3rd International Symposium on Halogen Bonding), 2018.6.10–14, Hyatt Regency Hotel, Greenville, South Carolina, USA
- (320) 2018.6.15 Invited lecture “Rational Design of High Performance Catalysts Based on Acid–Base Combination Chemistry,” Special Organic Syntheses Lecture (Host: Prof. Scott A. Snyder), Searle Chemistry Laboratory, The University of Chicago, IL, USA
- (321) 2018.7.3 Invited lecture “IBS-Catalyzed Oxidation of Alcohols,” ICHIC 2018 (6th International Conference on Hypervalent Iodine Chemistry), 2018.7.1–4, Cardiff University, Cardiff, Wales, UK
- (322) 2018.7.6 Invited lecture “Rational Design of High-Performance Catalysts Based on Acid–Base Combination Chemistry,” The Mini-Symposium on Boron-catalysed Amidation: from Theory to Practice at Durham University, Durham University, Durham, England, UK
- (323) 2018.7.9 Invited lecture “Rational Design of High-Performance Catalysts Based on Acid–Base Combination Chemistry,” Seminar (Profs. Kilian Muñiz and Paolo Melchiorre), ICIQ (The Institute of Chemical Research of Catalonia), Spain
- (324) 2018.9.11 招待講演「酸塩基複合化学を基盤とする高機能触媒の設計」、大日本住友製薬 大阪研究所
- (325) 2018.9.21 口頭発表O-1「 $B(C_6F_5)_3$ を触媒に用いる立体選択的Diels–Alder反応」、フルオラス科学研究会第11回シンポジウム(広島)、広島市立大学、要旨集p. 16.
- (326) 2018.10.3 非常勤講師 有機化学上級第五(医農薬化学)「酸塩基複合化学を基盤とする高機能触媒の設計(基礎編)」、東京工業大学理学院応用化学系(ホスト: 田中健教授)、大岡山キャンパス
- (327) 2018.10.3 一般講演会 有機化学上級第五(医農薬化学)「酸塩基複合化学を基盤とする高機能触媒の設計」、東京工業大学理学院応用化学系(ホスト: 田中健教授)、大岡山キャンパス
- (328) 2018.10.9 模擬講義「触媒をデザインして化学反応を自在に操る」、滝学園(窓口: 進学指導主任 井戸康貴)
- (329) 2018.10.20 ショートプレゼンテーション「触媒の匠工房」
セミナー 研究開発物語 「かたちあるプロトン酸(H⁺)触媒を分子設計する」
テクノフェア名大2018、名古屋大学IB電子情報館
- (330) 2018.11.8 豊西総合大学講座「分子を繋ぐ触媒をデザインする」、愛知県立豊田西高等学校(窓口: 進路指導部 辻井俊介)
- (331) 2018.11.15 OP-42 “Rational Design of High-Performance Catalysts Based on Acid–Base Combination Chemistry,” IKCOC-14 (The 14th International Kyoto Conference on New Aspects of Organic Chemistry), Rihga Royal Hotel Kyoto, Japan, November 12–16.

- (332) 2018.12.3 一般講演「ボロン酸触媒を用いるカルボン酸の活性化」、第11回有機触媒シンポジウム、学習院創立百周年記念会館、東京都豊島区目白、2018年12月3-4日
- (333) 2018.12.14 招待講演「ヨウ素触媒を用いる環境低負荷型酸化反応の開発」、グリーンプロセスインキュベーションコンソーシアム(GIC)平成30年度第59回研修セミナー、産業技術総合研究所東北センター
- (334) 2019.1.22 依頼講演「U字型キラル超分子触媒を用いるプロパルギルアルデヒドのマルチ選択的Diels-Alder反応の開発」、波多野学, 阪本竜浩, 水野智一, 後藤優太, 石原一彰、第6回公開シンポジウム、メルパルク京都、2019年1月21-22日
- (335) 2019.3.11 Keynote Presentation “Rational design of high-performance catalysts based on acid-base combination chemistry,” 3rd Edition of International Congress on Catalysis and Chemical Science, Village Hotel Changi, March 11-13, 2019, Singapore.
- (336) 2019.3.20 依頼講演「反応を自在に操る触媒づくりのはなし」、名古屋大学オープンレクチャー2019、坂田・平田ホール、工学研究科1号館
- (337) 2019.6.5 招待講演「ヨウ素を触媒や反応剤に用いる反応開発」、CIRICセミナー No.2「ハロゲン結合の化学 ～ヨウ素の高度利用をめざして～」、千葉大学 千葉ヨウ素資源イノベーションセンター1階 講義室
- (338) 2019.6.14 ○石原一彰、西村和揮、山川勝也
一般講演 OP-6「キラル π -Cu(II)触媒を用いるエナンチオ選択的 α -フッ素化反応 (Chiral π -copper(II) complex catalyzed enantioselective α -fluorination)」、モレキュラーキラリティーシンポジウム2019、金沢商工会議所
- (339) 2019.7.25 Invited lecture “Rational Design of High-Performance Catalysts on Acid-Base Combination Chemistry,” Gordon Research Conference, Organic Reactions and Processes, Syntheses and Methods for Efficient and Novel Organic Reactions and Processes, 2019.7.21-26/Stonehill College, Easton, MA, USA
- (340) 2019.8.22 Keynote 2. “Green Catalysis on Esterification, Amidation, and Oxidation,” TCIA 2019 Taiwan Chemistry Forum, Taipei International Convention Center, Taiwan
- (341) 2019.8.23 Invited lecture “Development of highly efficient catalytic esterification, amidation, and oxidation,” Organic Seminar (Host: Prof. Jeffrey Chi-Sheng Wu and TCIA), National Taiwan University
- (342) 2019.9.4 ○Kazuaki Ishihara, Kazuki Nishimura, Katsuya Yamakawa, Keynote lecture KL13 “Enantio- and site-selective α -fluorination of *N*-acyl-3,5-dimethylpyrazoles catalyzed by chiral π -Cu(II) complexes,” 1st International Conference of Noncovalent Interactions (ICNI), 2019.9.2-6, Lisbon, Portugal
- (343) 2019.9.26 ○Kazuaki Ishihara, Kazuki Nishimura, Katsuya Yamakawa, Invited lecture IL17 “Enantio- and site-selective α -fluorination of *N*-acyl-3,5-dimethylpyrazoles catalyzed by chiral π -Cu(II) complexes,” HALCHEM IX, 2019.9.23-26, Perugia, Italy
- (344) 2019.10.12 招待講演「中分子酸塩基複合触媒の合理的設計」、学術講演会、主催：神戸大学大学院工学研究科 界面科学コロキウム、共催：名大鏡友会関西支部、会場：神戸大学大学院工学研究科5W-301講義室（世話役：森敦紀先生）
- (345) 2019.10.18 ○石原一彰、西村和揮、山川勝也、O-1: キラル π -Cu(II)触媒によるエナンチオ選択的 α -フッ素化反応、フルオラス科学研究会第12回シンポジウム（名古屋）、会場：名城大学
- (346) 2019.10.19 招待講演「触媒の匠の挑戦：作れるモノから作りたいモノへ」、テクノフェア名大2019 市民公開セミナー、名古屋大学IB館
- (347) 2019.11.13 講義「酸塩基複合化学を基盤とする高機能触媒の設計（基礎編）」
講演「酸塩基複合化学を基盤とする高機能ハロゲン酸化触媒の設計」
東京工業大学 南4号館 S423 講義室
- (348) 2019.12.3 ○Kazuaki Ishihara, Manabu Hatano, Kenji Yamashita, **JO3**: “Chiral Macrocyclic O-Shaped Catalysts for Enantioselective Addition of Lithium Acetylides to Simple Ketones” 第4回精密制御反応場国際シンポジウム、東大寺総合文化センター 金鐘ホール、2019.12.3-5
- (349) 2020.3.26 依頼講演「ハロゲン結合を利用する触媒反応の開発」、日本薬学会第140年会、国立京都国際会館他、2020.3.25-28
- (350) 2020.9.9 依頼講演「「ヨウ素」の力」2020 GTR Seeds Seminar (Teamsによるオンライン開催) in ITbm/GTRコンソーシアム2020年度第5回ワークショップ
- (351) 2020.10.5 招待講演「酸塩基複合化学を基盤とする精密触媒の設計」（座長：石崎謙一）、東亜合成株式会社R&D総合センター、名古屋市
- (352) 2020.11.30-2020.12.1 大学院集中講義&公開講演会「酸塩基複合化学を基盤とする高機能触媒の設計」岡山大学大学院自然科学研究科（ホスト：坂倉彰教授）

- (353) 2020.12.3 Invited lecture "The Power of Oxidative Iodine Catalysis" in Chiral India 2020 "New pharmaceutical technologies: Shaping the future of drug development" (14:30 to 17:30, 2-4 December 2020). <http://www.chiralindia.com/Brochure.pdf>
- (354) 2020.12.16 口頭発表「キラル π -銅(II)触媒を用いるアシルピラゾールのエナンチオ選択的 α -ハロゲン化反応」分子性触媒による高度分子変換技術第184委員会講習会 (ZOOM) (座長: 秋山隆彦教授)
- (355) 2021.1.5 依頼講演「高機能触媒設計のための新結合様式の開拓」新春企画Zoom Webinar「新結合様式の開拓と機能の創製」 (座長: 荒井孝義教授)
- (356) 2021.3.19 口頭発表B講演 [A20-1am-04] Jie Qi Ng, Hiro Arima, Takuya Mochizuki, Kohei Toh, Kai Matsui, Manussada Ratanasak, Jun-Ya Hasegawa, Manabu Hatano, ○Kazuaki Ishihara, Chemoselective Transesterification of Methyl (Meth)acrylates Catalyzed by Sodium(I) or Magnesium(II) Aryloxides, 日本化学会第101春季年会 (zoom) 3/19~3/22
- (357) 2021.5.29 招待講演「環境に配慮した先進的機能触媒の開発を目指して」名大鏡友会講演会 (座長: 西山久雄名誉教授) (Zoom)
- (358) 2021.8.19 特別講演5「酸塩基複合化学を基盤とする不斉触媒の設計」第55回有機反応若手の会2021年8月18~20日 (座長: 網井秀樹教授) (Zoom)
- (359) 2021.10.16 ショートプレゼンテーション「【触媒の匠工房】環境に優しい触媒をデザインして、化学反応を自在に操る」テクノフェア名大2021 (動画)
- (360) 2021.11.10 依頼講演「2021年ノーベル化学賞の対象になった有機分子触媒とその先を見据えて」豊北ユニバーシティ、愛知県立豊田北高等学校
- (361) 2021.11.20 招待講演「高難度不斉触媒反応開拓」新学術領域研究「精密制御反応場」終了後公開シンポジウム「高難度物質変換反応のさらなる展開をめざして」 (Zoom)
- (362) 2021.11.22 招待講演「真に環境に優しい触媒の有機合成反応を目指して」第13回先端化学知の社会実装コロキウム (Zoom/早稲田大学研究開発センター)
- (363) 2021.12.18 Invited lecture "Catalytic selective transesterification reaction of methyl acrylates and methyl methacrylates" Pacifichem 2021 (Development of New Reactions and Technologies Adaptable to Process Chemistry (#366), Symposium organizers: S. Akai, T. Akiyama, Y. Hsiao, O. Onomura, H. Sajiki, S. You), Dec. 17–21, 2021 (zoom)
- (364) 2021.12.19 Invited lecture "Highly efficient oxidative reactions promoted by iodine-contained catalysts," Pacifichem 2021 (Iodine Chemistry at the Dawn of Its Third Century (#375), Symposium organizers: Tatsuo Kahiho, Nicolay Tsarevsky, Atsushi Goto), Dec. 17–21, 2021 (zoom)
- (365) 2021.12.19 Invited lecture "Recent advances in ammonium hypoiodite-catalyzed oxidative reactions" Pacifichem 2021 (New Aspects on Organocatalysts (#379), Symposium organizer: M. Terada, J. N. Johnston, C. Tan), Dec. 17–21, 2021 (zoom)
- (366) 2022.2.3 セミナー「ヨウ素を鍵とする環境に優しいモノづくり」 (Zoom)
アカデミックナイト 第18回 グリーン・サステイナブルケミストリー (主催: 一般社団法人中部圏イノベーション推進機構)
- (367) 2022.5.31 特別講演「環境に優しい有機合成法を目指して」第34回環境工学連合講演会、日本学術会議主催、日本学術会議、座長: 水川薫子 (東京農工大学助教)
- (368) 2022.7.4 Plenary lecture "Rational Design of High-Performance Catalysts Based on Acid-Base Combination Chemistry" BOSSXVII (17th Belgian Organic Synthesis Symposium), July 3–8, 2022, Namur, Belgium
- (369) 2022.7.22 招待講演「大学の化学は楽しい! 分子の世界: 知る、見る、触る、作る」
名古屋大学 学びの杜・学術コース、名古屋大学工学研究科1号館133講義室
- (370) 2022.9.6 Invited lecture (S02 IL-03) "Enantioselective α -halogenation of *N*-acylpyrazoles catalyzed by π -Cu(II) complexes," Kazuki Nishimura, Yanzhao Wang, Yoshihiro Ogura, and Katsuya Yamakawa, HALCHEM X (The 10th International Meeting on Halogen Chemistry), September 5–8, 2022/Lódź, Poland
- (371) 2022.11.7 Oral Presentation (O1) ○Kazuaki Ishihara, Kazuki Nishimura, Yanzhao Wang, Yoshihiro Ogura, Katsuya Yamakawa
"Halogen Bonding Effect on Enantioselective α -Halogenation Reaction Catalyzed by π -Cu(II) Complexes," ISXB5 (5th International Symposium on Halogen Bonding), 2022.11.6–10/Kazusa Arc, Kisarazu, Chiba, Japan
- (372) 2023.3.24 K705-3am-04 ○Kazuaki ISHIHARA, Lu YAO, Kazuki TAKEDA, Kaori ANDO, Natsuhisa OKA
"Enantioselective Aromatic Claisen Rearrangement of Allyl 2-Naphthyl Ethers Catalyzed by π -Cu(II) complexes," The 103rd CSJ Annual Meeting (2023), March 22–25, 2023, Noda Campus, Tokyuu University of Science, Chiba, Japan