

酒井健 (計画 A03 班)

学会発表

1. Ken Sakai, "Photocatalytic Water Splitting with Hybrid Molecular Systems", 26th IUPAC International Symposium on Photochemistry, (大阪, 日本, 2016 年 4 月)  
<http://web.apollon.nta.co.jp/iupac2016/>[Invite]
2. Ken Sakai, "Hybrid Molecular Photocatalysts for Hydrogen Generation from Water", UK-Japan Solar Driven Fuel Synthesis Workshop, (東京, 日本, 2016 年 6 月) [Invite]
3. Ken Sakai, "Molecular Catalysts and Photocatalysts for Water Splitting Reactions", Design and Characterization of Advanced Materials, (東京, 日本, 2016 年 6 月)  
<http://irelandjapanresearch.com/am/>[Invite]
4. Ken Sakai, "Hybrid Molecular Systems for Photocatalytic Water Oxidation and Reduction", 42nd edition of the International Conference on Coordination Chemistry (ICCC2016), (ブレスト, フランス, 2016 年 7 月)  
<https://iccc2016.sciencesconf.org/>[Invite]
5. Ken Sakai, "Hybrid Molecular Photocatalysts for Hydrogen Generation from Water", 5th International Symposium on Solar Fuels and Solar Cells (5th SFSC), (大連, 中国, 2016 年 10 月) [http://sfsc.dlut.edu.cn/meeting/index\\_en.asp?id=2611](http://sfsc.dlut.edu.cn/meeting/index_en.asp?id=2611)[Keynote]
6. Ken Sakai, "Molecular catalysts and photocatalysts towards solar water splitting reactions", Inorganic Chemistry Symposium, (福岡, 日本, 2016 年 10 月)  
<http://www.rsc.org/events/detail/22214/inorganic-chemistry-symposium>[Invite]
7. Ken Sakai, "Hybrid Molecular Photocatalysts for Hydrogen Generation from Water", 9th Asian Photochemistry Conference (APC2016), (シンガポール, シンガポール, 2016 年 12 月) <http://conference.ntu.edu.sg/apc2016/Pages/index.aspx>[Invite]
8. Ken Sakai, "Hydrogen Production from Water Photocatalyzed by Platinum-based Hybrid Molecular Systems", 9th Singapore International Chemistry Conference (SICC9), (シンガポール, シンガポール, 2016 年 12 月)  
<http://www.rsc.org/events/detail/24028/9th-singapore-international-chemistry-conference>[Keynote]
9. Ken Sakai, "Improving Robustness and TOF of Cobalt Porphyrin Water Oxidation Catalysts", 2nd Molecules and Materials for Artificial Photosynthesis Conference, (Cancun, Mexico, 2016 年 2 月) <https://www.fusion-conferences.com/conference40.php>[Invite]
10. Ken Sakai, "Photo-driven charge storage coupled with catalytic water reduction to hydrogen", Pacificchem2015, (Honolulu, USA, 2015 年 12 月)  
<http://www.pacificchem.org/>[Invite]

11. Ken Sakai, "Molecular Catalysts for Ni,Co,Rh,Pt-based H<sub>2</sub> Evolution and Ru,Co-based O<sub>2</sub> Evolution", Pacificchem2015, (Honolulu, USA, 2015 年 12 月)  
<http://www.pacificchem.org/>[Invite]
12. Ken Sakai, "Molecular Catalysts for Solar-driven Water Splitting Reactions", 第 25 回日本 MRS 年次大会, (横浜, 日本, 2015 年 12 月) <https://www.mrs-j.org/meeting2015/jp/>[Invite]
13. Ken Sakai, "Hybrid Molecular Photocatalysts Driving H<sub>2</sub> Evolution from Water", 10th China-Japan Joint Symposium on Metal Cluster Compounds(CJSMCC-2015), (Fuzhou, China, 2015 年 10 月)  
[http://english.fjirsm.cas.cn/ns/ue/201508/t20150819\\_151486.html](http://english.fjirsm.cas.cn/ns/ue/201508/t20150819_151486.html)[Invite]
14. Ken Sakai, "Molecular Catalysis for Water Oxidation and Reduction", 2nd Japan-Germany Joint Symposium on Coordination Chemistry (JGJSCC2), (奈良, 日本, 2015 年 9 月) <http://supra.chem.nagoya-u.ac.jp/JGJSCC2/assets/fallback/index.html>[Invite]
15. Ken Sakai, "Co-based molecular water oxidation catalysts", 250th ACS National Meeting & Exposition, (Boston, USA, 2015 年 8 月)  
<https://www.acs.org/content/acs/en/meetings/fall-2015.html>[Invite]
16. Ken Sakai, "Hybrid Molecular Catalysts for Solar-driven Water Splitting", 5th Asian Conference on Coordination Chemistry (ACCC5), (Hong Kong, China, 2015 年 7 月) <http://www.chemistry.hku.hk/accc5/>[Keynote]
17. Ken Sakai, "Multifunctional Molecular Devices Enabling Photocatalytic Hydrogen Evolution from Water", 98th Canadian Chemistry Conference and Exhibition (CSC2015), (Ottawa, Canada, 2015 年 6 月) <http://www.csc2015.ca/>[Invite]
18. Ken Sakai, "Molecular Catalysts and Devices Driving Photoinduced Water Splitting Reactions", E-MRS 2014 SPRING MEETING, (Lille, France, 2014 年 5 月)  
<http://www.globaleventslist.elsevier.com/events/2014/05/e-mrs-2014-spring-meeting/>[Invite]
19. Ken Sakai, "Artificial Photosynthesis based on Molecular Photocatalysis of Water Splitting to Dihydrogen and Dioxygen", Nanomaterials for Alternative Energy Applications, (Vancouver, Canada, 2014 年 5 月) [Invite]
20. Ken Sakai, "Transition metal complexes for water splitting reactions", the 97th Canadian Chemistry Conference and Exhibition in Vancouver, (Vancouver, Canada, 2014 年 6 月) <http://www.csc2014.ca/>[Invite]
21. 酒井 健, "金属錯体を光触媒とする人工光合成系の開発", Zeolite forum 2014, (福岡県飯塚市, 日本, 2014 年 6 月)  
<https://www.shokubai.org/general/kaikoku/140620zeolite.pdf>[招待講演]

22. Ken Sakai, "Molecular Photocatalysis For Water Splitting Reactions", the 41st International Conference on Coordination Chemistry (ICCC-41), (, Singapore, 2014 年 7 月) <http://www.globaleventslist.elsevier.com/events/2014/07/41st-international-conference-coordination-chemistry/>[Keynote]
23. Ken Sakai, "Photosynthetic Molecular Devices for Hydrogen Generation from Water", Post-Symposium of ICCC-41, (, Singapore, 2014 年 7 月) [Invite]
24. Ken Sakai, "Light-Driven Water Splitting to Dioxygen and Dihydrogen Photocatalyzed by Transition Metal Complexes", International Symposium on Green/Life Innovation, (横浜, 日本, 2014 年 9 月)  
<http://www.chemistry.or.jp/event/calendar/2014/07/international-symposium-on-greenlife-innovation.html>[Invite]
25. 酒井 健, "水溶性金属単核錯体を触媒とする酸素発生反応の速度論的研究", 錯体化学会第 64 回討論会, (東京, 日本, 2014 年 9 月)  
[http://www.sakutai.jp/html\\_page/64sympo/64symposium.url.html](http://www.sakutai.jp/html_page/64sympo/64symposium.url.html)[招待講演]
26. Ken Sakai, "Multifunctional molecular devices for photoinduced hydrogen evolution from water", ICARP2014, (兵庫県淡路市, 日本, 2014 年 11 月) <http://artificial-photosynthesis.net/ICARP2014/>[Invite]
27. 酒井 健, "Hydrogen Generation Photocatalyzed by Platinum(II)-Based Molecular Systems", 第 24 回日本 MRS 年次大会, (横浜, 日本, 2014 年 12 月)  
<https://www.mrs-j.org/meeting2014/jp/>[招待講演]
28. Ken Sakai, "Molecular Catalysts and Devices for Artificial Photosynthesis", MANA International Symposium 2015, (つくば, 日本, 2014 年 3 月)  
<http://www.nims.go.jp/mana/2015/>[Invite]
29. Ken Sakai, "Photocatalysis of molecular systems in water splitting reactions", 245th ACS National Meeting & Exposition, (New Orleans, USA, 2013 年 4 月)  
<http://www.acscinf.org/content/245th-acs-national-meeting-exposition>[Invite]
30. 酒井 健, "光酸素発生デバイスの構築と光機能界面への応用", 新学術領域研究「配位プログラム」第 9 回全体会議, (東京, 日本, 年 月) [招待]
31. Ken Sakai, "Molecular Catalysis for Solar Light-induced Water Splitting Reactions towards Development of Artificial Photosynthesis", 1st International Symposium on Chemical Energy Conversion Processes (ISCECP-1), (福岡, 日本, 2013 年 6 月)  
<http://www.scc.kyushu-u.ac.jp/Sakutai/Conferences/i2cner2013/pages/>[Invite]
32. Ken Sakai, "Photoinduced Hydrogen Evolution from Water using Pt(II),Ru(II)-Centered Molecular Photocatalysts", 20th International Symposium on the Photophysics and Photochemistry of Coordination Compounds (ISPPCC), (Traverse city, USA, 2013 年 7 月) [Invite]

33. Ken Sakai, "Photoinduced Hydrogen Evolution from Water using Ru(II),Pt(II)-Centered Molecular Photocatalysts", 4th Asian Conference on Coordination Chemistry (ACCC4), (Jeju, Korea, 2013 年 11 月)  
<http://phome.postech.ac.kr/user/indexSub.action?codyMenuSeq=18830&siteId=accc4&menuUIType=top>[Invite]
34. 酒井 健, "水の分解を光で駆動する分子デバイスの開発", 新学術領域「配位プログラム」第 10 回 A03-A01 合同班会議, (香川, 日本, 年 月) [招待]
35. Ken Sakai, "Molecular Catalysts and Devices for Photo-Induced Water Splitting", 2nd Japan-France Coordination Chemistry Symposium 2013, (奈良, 日本, 2013 年 11 月)  
<http://www-bfc.mls.eng.osaka-u.ac.jp/JFCCS2013/Welcome.html>[Invite]
36. 酒井 健, "Water Splitting Reactions both Thermally and Photochemically Catalyzed by Transition-metal-based Molecular Systems", 第 23 回日本 MRS 年次大会, (神奈川, 日本, 2013 年 12 月) <http://www.mrs-j.org/meeting/2013/>[招待]
37. Ken Sakai, "Photoinduced water splitting reactions based on transition-metal-based molecular photocatalysts", International Symposium on Coordination Programming 2014 (ISCP2014), (東京, 日本, 年 月) [Invite]
38. Ken Sakai, "Water splitting reactions both thermally and photo chemically catalyzed by transition-metal based molecular systems", the 2014 International Conference on Hydrogen Production, (福岡, 日本, 2014 年 2 月) [Invite]
39. Ken Sakai, "MOLECULAR CATALYSTS AND DEVICES FOR PHOTOINDUCED WATER SPLITTING", the Molecules and Materials for Artificial Photosynthesis Conference, (Cancun, Mexico, 2014 年 2 月) <https://www.fusion-conferences.com/conference6.php>[Invite]
40. Ken Sakai, "Molecular Catalysts and Devices for Photoinduced Water Splitting", European Symposium on Current Challenges in Supramolecular Photocatalytic Water Splitting, (Jena, Germany, 2014 年 3 月) <http://www.perspect-h2o.eu/index.php/events/details/7-Symposium%20?Young-Researcher-Meeting=>[Invite]
41. Ken Sakai, "Molecular Catalysts and Devices for Photoinduced Water Splitting", Scottish Dalton Meeting, St. Andrews, (St. Andrews, UK, 年 月) [Invite]
42. Ken Sakai, "Photosynthetic Molecular Devices Driving Hydrogen Evolution from Water", "1st International Symposium for Molecular System Device Global Leader Education Program"~Future for Molecular System Devices -Education, Research and Industrialization--, (福岡, 日本, 2013 年 3 月) <http://molecular-device.kyushu-u.ac.jp/?p=2154>[招待]
43. 酒井 健, "分子性触媒を基盤とした水可視光分解系の開拓", 分子研研究会「金属錯体

- 機能の根源を探る～分子構造とそその変化様式の探求最前線」, (名古屋, 日本, 2013 年 3 月) <http://www.sakutai.jp/wp/?p=2538>[招待]
44. 酒井 健, “金属錯体複合化による水可視光分解系の開拓”, 青山学院大学 第 12 回機能物質化学講演会, (神奈川, 日本, 2013 年 2 月)  
<http://www.chem.aoyama.ac.jp/Chem/ChemHP/phys3/top/Seminar/20130215.pdf>[招待]
  45. 酒井 健, “分子性触媒を用いた人工光合成システムの開発 – 太陽光による水素エネルギー製造を夢見て –”, 理科・化学教育懇談会, (福岡, 日本, 2013 年 1 月) [招待]
  46. 酒井 健, “金属錯体を基盤とした人工光合成デバイスの創製”, 新学術領域研究「人工光合成」第 1 回公開シンポジウム, (東京, 日本, 2012 年 12 月)  
<http://www.ritsumeai.ac.jp/file.jsp?id=72500>[招待]
  47. 酒井 健, “光酸素発生分子デバイスの合成と機能評価”, 新学術領域研究「配位プログラミング」A03 班- A01 班 第 7 回合同班会議, (福岡, 日本, 2012 年 月) [招待]
  48. Ken Sakai, “Hydrogen Evolution from Water Catalyzed by Pt(II)-based Molecular Systems”, Germany-Japan Bilateral Meeting on Coordination Programming, (Munster, ドイツ, 2012 年 10 月) [Invite]
  49. 酒井 健, “金属錯体を基盤とした水可視光分解系の構築”, 太陽光エネルギーによる物質変換に関するシンポジウム, (新潟, 日本, 2012 年 9 月) [招待]
  50. 酒井 健, “水の可視光分解を指向した光分子デバイスの開発”, 錯体化学会第 62 回討論会, (富山, 日本, 2012 年 9 月) <http://www3.u-toyama.ac.jp/sakuto62/>[招待]
  51. Ken Sakai, “Water Splitting Reactions Using Transition-Metal-Based Molecular Systems”, The 3rd International Symposium on Solar Cells and Solar Fuels, (大連, 中国, 2012 年 9 月) [http://www.canli.dicp.ac.cn/News/news20120528\\_en.html](http://www.canli.dicp.ac.cn/News/news20120528_en.html)[Invite]
  52. Ken Sakai, “Catalysis of Metal Complexes in Water Splitting Reactions”, 2nd International Conference on Molecular and Functional Catalysis (ICMFC-2), (Biopolis, シンガポール, 2012 年 7 月) <http://www.catalysis.org.sg/index.php/news-and-events?id=38>[Invite]
  53. Ken Sakai, “Water Splitting Reactions Catalyzed by Transition Metal Complexes”, 95th Canadian Chemistry Conference and Exhibition (CSC 2012), (Calgary, カナダ, 年 5 月) <http://blogs.rsc.org/dt/2012/06/06/95th-canadian-chemistry-conference-and-exhibition/>[Invite]
  54. Ken Sakai, “Water Splitting Reactions Catalyzed by Transition Metal Complexes”, Symposium on Solar Energy Conversion, (Montreal, カナダ, 2012 年 月) [Invite]
  55. Ken Sakai, “Molecular Catalysis for Solar Light-induced Water Splitting Reactions towards Development of Artificial Photosynthesis”, 12th EURASIA CONFERENCE ON CHEMICAL SCIENCES -EuAsC2C-1, (Corfu, ギリシャ, 2012 年 4 月)

<http://www.facs-as.org/a48.html>[Invite]