

井上晴夫 (計画班 C01)

2019 年度 会議発表

1. 大崎穰・石田玉青・嶋田哲也・高木慎介・立花宏・井上晴夫, “Ti(IV) ポルフィリンによる水の酸化挙動”, 日本化学会第 100 春季年会, (野田市, 日本,)
2. 中里亮介・山本大亮・棟方裕一・金村聖志・嶋田哲也・石田玉青・高木慎介・立花宏・井上晴夫, “分子触媒/リチウムドープ酸化ニッケル複合系の可視光誘起 CO₂還元”, 日本化学会第 100 春季年会, (野田市, 日本)
3. Abin Sebastian, Fazalurahman Kuttassery, Yutaka Ohsaki, Keito Sano, Hiroshi Tachibana, Haruo Inoue, “Visible-Light-Induced H₂/H₂O₂ Water Splitting Using Metalloporphyrin Incorporated Molecular Catalyst Sensitized System”, 日本化学会第 100 春季年会, (野田市, 日本)
4. Fazalurhaman Kuttassery, Siby Mathew, 立花宏, 井上晴夫, “分子触媒による水の 2 電子酸化: 過酸化水素の生成”, 日本化学会第 100 春季年会, (野田市, 日本) 招待講演
5. 井上晴夫, “光エネルギーと物質変換: 人工光合成の現状と展望”, 創蓄省エネルギー技術の学理のインテグレーションによる独創的クリーンエネルギー生成技術の創出 JST-CREST 研究会, (東京都, 日本, 1/27/2020) 招待講演
6. Keito Sano, Fazalurahman Kuttassery, Tetsuya Shimada, Tamao Ishiada, Binsho Ohtani, Hiroshi Tachibana, Haruo Inoue, Shinsuke Takagi, “Synthesis of titania nanoparticle for molecular catalyst sensitized reaction”, 2019 光化学討論会, (名古屋市, 日本, 9/10/2019)
7. Abin Sebastian, Fazalurahman Kuttassery, Yutaka Ohsaki, Sebastian Nybin Remello, Hiroshi Tachibana, Haruo Inoue, “Hydrogen peroxide generation via two-electron water oxidation catalyzed by zinc-porphyrin”, 2019 光化学討論会, (名古屋市, 日本, v)
8. Yutaka Ohsaki, Arun Thomas, Fazalurahman Kuttassery, Siby Mathew, Tetsuya Shimada, Shinsuke Takagi, Hiroshi Tachibana, Haruo Inoue, “Hydrogen peroxide generation by two-electron oxidation of water with visible light using Sn-porphyrin/SnO₂ film”, 2019 光化学討論会, (名古屋市, 日本, 2019/9/10)
9. Haruo Inoue, “The Tip of the Iceberg of Polyhedral Research Interests for Energy Flow in Chemical Reactions and Supramolecular Systems”, 2019 光化学討論会, (名古屋市, 日本, 9/11/2019) ポーターメダル受賞講演
10. Haruo Inoue, “Two-electron oxidation of water to get through the bottle neck of four-electron process”, The 3rd Symposium of Advanced Lectures on Fundamentals for Solar Energy Conversion: Theory and Experiments, (大連市, 中国, 8/22/2019) 招待講演
11. Keito Sano, Fazalurahman Kuttassery, Akira Yamakata, Bunsho Ohtani, Tetsuya

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“Synthesis and identification of titanium oxide nanoparticle for molecular catalyst
sensitized artificial photosynthesis systems”, The 3rd ISF, ICARP 2019, (広島市, 日本,
11/22/2019)

12. Haruo Inoue, Fazalurahman Kuttassery, Shogo Sagawa, Siby Mathew, Yu Nabetani,
Akihide Iwase, Akihiko Kudo, Hiroshi Tachibana, “Water splitting through two-electron
conversion to form hydrogen peroxide and hydrogen by one-photon of visible light”,
The 3rd ISF, ICARP 2019, (広島市, 日本, 11/22/2019) 招待講演
13. Haruo Inoue, “Points for IC-5”, Mission Innovation Challenge 5 “Sunlight Conversion”
workshop, (広島市, 日本, 11/20/2019) 招待講演