

・研究論文 ※すべてレフリー付き論文(印刷中含む)

2016年

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“Site-selective deposition of binary Pt-Pb alloy nanoparticles on TiO₂ nanorod for acetic acid oxidative decomposition”
Journal of Catalysis, 340, 276-286, 2016. (Impact Factor=7.354)
- [2] T. Tanabe (責任著者), M. Hashimoto, K. Mibu, T. Tanikawa, T. Gunji, S. Kaneko, H. Abe, M. M., F. Matsumoto
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“The application of a water-based hybrid polymer binder to a high-voltage and high-capacity Li-rich solid-solution cathode and its performance in Li-ion batteries”
Journal of Applied Electrochemistry, 46 (3), 267-278, 2016. (Impact Factor=2.223)

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Applied Catalysis B: Environmental, 181, 475-480, 2016. (Impact Factor=8.328)
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- [11] **田邊豊和**, 伊藤拳人, 森田千絵, 金子信悟, 郡司貴雄, 松本太
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・解説記事：計2報

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・特許：計 6 件

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・その他の業績

プレスリリース

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「豊富・安価・低毒性な水分解光触媒物質を発見」(H26 年 3 月 24 日)
- [2] JST, 東北大 AIMR, NIMS から共同発表。共著者として触媒活性評価, 触媒キャラクターゼ
ーション担当
「貴金属、レアアースを使わない高性能排ガス触媒の開発に成功」(H28 年 2 月 3 日)

招待講演

- [1] 電気化学会関東支部夏の学校, 八王子セミナーハウス (H28 年)
「可視光水分解を指向した Sn 酸化物光触媒の創製と合金微粒子の反応サイト選択担持による反応高効率化」
- [2] 日本金属学会触媒材料研究会シンポジウム:「貴金属ポーラス体の微細構造と反応特性」
物質・材料研究機構(H25 年)
「Au のナノ粒子化を必要としない高活性ポーラス Au-Cu 合金の断面 TEM 観察」

受賞

- [1] 触媒学会夏の研修会ポスター賞(H17 年)
- [2] 箕野奨学基金「多元物質科学奨励賞」(H18 年)

学会実行委員

電気化学会第 82 回, 横浜国立大学 大会実行委員

学会座長

電気化学会第 82 回大会, 「光電気化学とエネルギーの変換」セッション (H27 春)
日本金属学会第 159 回大会, 「触媒材料」セッション (H28 秋)

外部特別講師

東京理科大学基礎工学部の「キャリアとしての基礎工学論」の外部特別講師として講義を担当。(H26, H27, H28 年)