

Yoshiyuki Takatsuji

List of Publications by Year in descending order

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17
papers

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569
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Electrodeposited Cu-Sn Alloy for Electrochemical CO ₂ Reduction to CO/HCOO ⁻ . <i>Electrocatalysis</i> , 2018, 9, 323-332. | 3.0 | 76 |
| 2 | Non-catalyzed one-step synthesis of ammonia from atmospheric air and water. <i>Green Chemistry</i> , 2016, 18, 4536-4541. | 9.0 | 73 |
| 3 | Contribution of Discharge Excited Atomic N, N ₂ [*] , and N ₂ ⁺⁺ to a Plasma/Liquid Interfacial Reaction as Suggested by Quantitative Analysis. <i>ChemPhysChem</i> , 2019, 20, 1467-1474. | 2.1 | 38 |
| 4 | Experimental and Theoretical Elucidation of Electrochemical CO ₂ Reduction on an Electrodeposited Cu ₃ Sn Alloy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3004-3010. | 3.1 | 28 |
| 5 | Solid-support immobilization of a α -swing α -fusion protein for enhanced glucose oxidase catalytic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 186-191. | 5.0 | 27 |
| 6 | Highly Selective Methane Production Through Electrochemical CO ₂ reduction by Electrolytically Plated Cu-Co Electrode. <i>Electrocatalysis</i> , 2019, 10, 29-34. | 3.0 | 16 |
| 7 | Nitrogen Fixation through the Plasma/Liquid Interfacial Reaction with Controlled Conditions of Each Phase as the Reaction Locus. <i>Electrochemistry</i> , 2020, 88, 190-194. | 1.4 | 16 |
| 8 | Reactive Oxygen Species Penetrate Persister Cell Membranes of Escherichia coli for Effective Cell Killing. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 496. | 3.9 | 15 |
| 9 | Efficient sterilization using reactive oxygen species generated by a radical vapor reactor. <i>Process Biochemistry</i> , 2017, 54, 140-143. | 3.7 | 14 |
| 10 | Dispersed-phase Interfaces between Mist Water Particles and Oxygen Plasma Efficiently Produce Singlet Oxygen (¹ O ₂) and Hydroxyl Radical (\bullet OH). <i>Electrochemistry</i> , 2015, 83, 721-724. | 1.4 | 13 |
| 11 | Gold Nanoparticles Functionalized with Peptides for Specific Affinity Aggregation Assays of Estrogen Receptors and Their Agonists. <i>Sensors</i> , 2012, 12, 4952-4961. | 3.8 | 12 |
| 12 | Electrochemical properties of honeycomb-like structured HFBI self-organized membranes on HOPG electrodes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 803-808. | 5.0 | 8 |
| 13 | Drastically Increase in Atomic Nitrogen Production Depending on the Dielectric Constant of Beads Filled in the Discharge Space. <i>ACS Omega</i> , 2021, 6, 29759-29764. | 3.5 | 6 |
| 14 | Sustainable process for functional group introduction onto HOPG by exposing OH and 1O ₂ using a radical vapor reactor (RVR) without any chemical reagents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 328-334. | 4.7 | 4 |
| 15 | Green Surface Cleaning in a Radical Vapor Reactor to Remove Organic Fouling on a Substrate. <i>Electrochemistry</i> , 2018, 86, 355-362. | 1.4 | 4 |
| 16 | Decreasing the Overpotential for Formate Production in Electrochemical CO ₂ Reduction Achieved by Anodized Sn Electrode. <i>Electrocatalysis</i> , 2022, 13, 72-80. | 3.0 | 4 |
| 17 | Quick and environmentally friendly sterilization process of dental instruments by radical vapor reactor. <i>Process Biochemistry</i> , 2022, 113, 22-26. | 3.7 | 0 |