Yoshiyuki Takatsuji

List of Publications by Year
in descending order

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17	354	840776 11	940533 16
papers	citations	h-index	g-index

17	17	17	569
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Decreasing the Overpotential for Formate Production in Electrochemical CO2 Reduction Achieved by Anodized Sn Electrode. Electrocatalysis, 2022, 13, 72-80.	3.0	4
2	Quick and environmentally friendly sterilization process of dental instruments by radical vapor reactor. Process Biochemistry, 2022, 113, 22-26.	3.7	0
3	Drastically Increase in Atomic Nitrogen Production Depending on the Dielectric Constant of Beads Filled in the Discharge Space. ACS Omega, 2021, 6, 29759-29764.	3.5	6
4	Reactive Oxygen Species Penetrate Persister Cell Membranes of Escherichia coli for Effective Cell Killing. Frontiers in Cellular and Infection Microbiology, 2020, 10, 496.	3.9	15
5	Nitrogen Fixation through the Plasma/Liquid Interfacial Reaction with Controlled Conditions of Each Phase as the Reaction Locus. Electrochemistry, 2020, 88, 190-194.	1.4	16
6	Contribution of Discharge Excited Atomic N, N₂*, and N₂⁺ to a Plasma/Liquid Interfacial Reaction as Suggested by Quantitative Analysis. ChemPhysChem, 2019, 20, 1467-1474.	2.1	38
7	Experimental and Theoretical Elucidation of Electrochemical CO₂ Reduction on an Electrodeposited Cu₃Sn Alloy. Journal of Physical Chemistry C, 2019, 123, 3004-3010.	3.1	28
8	Highly Selective Methane Production Through Electrochemical CO2 reduction by Electrolytically Plated Cu-Co Electrode. Electrocatalysis, 2019, 10, 29-34.	3.0	16
9	Electrodeposited Cu-Sn Alloy for Electrochemical CO2 Reduction to CO/HCOOâ^'. Electrocatalysis, 2018, 9, 323-332.	3.0	76
10	Green Surface Cleaning in a Radical Vapor Reactor to Remove Organic Fouling on a Substrate. Electrochemistry, 2018, 86, 355-362.	1.4	4
11	Efficient sterilization using reactive oxygen species generated by a radical vapor reactor. Process Biochemistry, 2017, 54, 140-143.	3.7	14
12	Sustainable process for functional group introduction onto HOPG by exposing OH and 1O2 using a radical vapor reactor (RVR) without any chemical reagents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 328-334.	4.7	4
13	Non-catalyzed one-step synthesis of ammonia from atmospheric air and water. Green Chemistry, 2016, 18, 4536-4541.	9.0	73
14	Dispersed-phase Interfaces between Mist Water Particles and Oxygen Plasma Efficiently Produce Singlet Oxygen (¹O₂) and Hydroxyl Radical (•OH). Electrochemistry, 2015, 83, 721-724.	1.4	13
15	Electrochemical properties of honeycomb-like structured HFBI self-organized membranes on HOPG electrodes. Colloids and Surfaces B: Biointerfaces, 2014, 123, 803-808.	5.0	8
16	Solid-support immobilization of a â€œswingâ€•fusion protein for enhanced glucose oxidase catalytic activity. Colloids and Surfaces B: Biointerfaces, 2013, 112, 186-191.	5.0	27
17	Gold Nanoparticles Functionalized with Peptides for Specific Affinity Aggregation Assays of Estrogen Receptors and Their Agonists. Sensors, 2012, 12, 4952-4961.	3.8	12