

Yasuo Matubara

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

752
citations

758635

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h-index

794141

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21
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21
times ranked

1179
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic Aspects of Electrocatalytic CO ₂ Reduction in Acetonitrile and with an Ionic Liquid as Solvent or Electrolyte. ACS Catalysis, 2015, 5, 6440-6452.	5.5	162
2	Thermodynamic and Kinetic Hydricity of Ruthenium(II) Hydride Complexes. Journal of the American Chemical Society, 2012, 134, 15743-15757.	6.6	117
3	Electrocatalytic CO ₂ Reduction with a Homogeneous Catalyst in Ionic Liquid: High Catalytic Activity at Low Overpotential. Journal of Physical Chemistry Letters, 2014, 5, 2033-2038.	2.1	108
4	Photochemistry of fac-[Re(bpy)(CO) ₃ Cl]. Chemistry - A European Journal, 2012, 18, 15722-15734.	1.7	74
5	Standard Electrode Potentials for the Reduction of CO ₂ to CO in Acetonitrile-Water Mixtures Determined Using a Generalized Method for Proton-Coupled Electron-Transfer Reactions. ACS Energy Letters, 2017, 2, 1886-1891.	8.8	53
6	Striking Differences in Properties of Geometric Isomers of [Ir(tpy)(ppy)H] ⁺ : Experimental and Computational Studies of their Hydricities, Interaction with CO ₂ , and Photochemistry. Angewandte Chemie - International Edition, 2015, 54, 14128-14132.	7.2	51
7	Development of an Efficient and Durable Photocatalytic System for Hydride Reduction of an NAD(P) ⁺ Model Compound Using a Ruthenium(II) Complex Based on Mechanistic Studies. Journal of the American Chemical Society, 2010, 132, 10547-10552.	6.6	35
8	Unified Benchmarking of Electrocatalysts in Noninnocent Second Coordination Spheres for CO ₂ Reduction. ACS Energy Letters, 2019, 4, 1999-2004.	8.8	29
9	Reactivity of a fac-ReCl(â±-diimine)(CO) ₃ complex with an NAD ⁺ model ligand toward CO ₂ reduction. Chemical Communications, 2014, 50, 728-730.	2.2	22
10	Experimental Insight into the Thermodynamics of the Dissolution of Electrolytes in Room-Temperature Ionic Liquids: From the Mass Action Law to the Absolute Standard Chemical Potential of a Proton. ACS Omega, 2016, 1, 1393-1411.	1.6	16
11	Hydride Reduction of NAD(P) ⁺ Model Compounds with a Ru(II)-Hydrido Complex. Organometallics, 2015, 34, 5530-5539.	1.1	13
12	Quantitative Photochemical Formation of [Ru(tpy)(bpy)H] ⁺ . Inorganic Chemistry, 2009, 48, 10138-10145.	1.9	12
13	Formation of â±-Coordinated Dihydropyridine-Ruthenium(II) Complexes by Hydride Transfer from Ruthenium(II) to Pyridinium Cations. Organometallics, 2013, 32, 6162-6165.	1.1	11
14	A Bi-functional Second Coordination Sphere for Electrocatalytic CO ₂ Reduction: The Concerted Improvement by a Local Proton Source and Local Coulombic Interactions. Chemistry Letters, 2020, 49, 315-317.	0.7	11
15	A Small yet Complete Framework for a Potentiostat, Galvanostat, and Electrochemical Impedance Spectrometer. Journal of Chemical Education, 2021, 98, 3362-3370.	1.1	11
16	Thermodynamic Cycles Relevant to Hydrogenation of CO ₂ to Formic Acid in Water and Acetonitrile. Chemistry Letters, 2019, 48, 627-629.	0.7	9
17	Standard Electrode Potentials for Electrochemical Hydrogen Production, Carbon Dioxide Reduction, and Oxygen Reduction Reactions in N,N-Dimethylacetamide. Chemistry Letters, 2020, 49, 915-917.	0.7	5
18	A Small All-in-One Photon-Counting Device for Measuring Luminescence Decays to Determine the Lifetimes of Photoexcited Materials. Journal of Chemical Education, 2020, 97, 300-304.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Boundary Temperatures at Which Ionic Liquid Solutions Dissolving an Electroactive Ion Start to Exhibit a Colligative Behavior. <i>Chemistry Letters</i> , 2019, 48, 925-927.	0.7	0
20	Colloidal platinum nanoparticles dispersed by polyvinylpyrrolidone and poly(diallyldimethylammonium chloride) with high catalytic activity for hydrogen production based on formate decomposition. <i>Sustainable Energy and Fuels</i> , 0, , .	2.5	0