

Toru Hatsukade

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

4,447
citations

430874

18
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

5975
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic Conversion of Carbon Dioxide to Methane and Methanol on Transition Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2014, 136, 14107-14113.	13.7	1,253
2	Understanding Selectivity for the Electrochemical Reduction of Carbon Dioxide to Formic Acid and Carbon Monoxide on Metal Electrodes. <i>ACS Catalysis</i> , 2017, 7, 4822-4827.	11.2	637
3	Improved CO ₂ reduction activity towards C ₂ + alcohols on a tandem gold on copper electrocatalyst. <i>Nature Catalysis</i> , 2018, 1, 764-771.	34.4	501
4	Insights into the electrocatalytic reduction of CO ₂ on metallic silver surfaces. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13814-13819.	2.8	455
5	Engineering Cu surfaces for the electrocatalytic conversion of CO ₂ : Controlling selectivity toward oxygenates and hydrocarbons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5918-5923.	7.1	311
6	Origin of Carbon Dioxide Evolved during Cycling of Nickel-Rich Layered NCM Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38892-38899.	8.0	193
7	Stabilizing Effect of a Hybrid Surface Coating on a Ni-Rich NCM Cathode Material in All-Solid-State Batteries. <i>Chemistry of Materials</i> , 2019, 31, 9664-9672.	6.7	174
8	Electrochemical CO ₂ reduction on Au surfaces: mechanistic aspects regarding the formation of major and minor products. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15856-15863.	2.8	124
9	Synthesis of thin film AuPd alloys and their investigation for electrocatalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20185-20194.	10.3	116
10	Lithium Lanthanum Titanium Oxides: A Fast Ionic Conductive Coating for Lithium-Ion Battery Cathodes. <i>Chemistry of Materials</i> , 2012, 24, 2744-2751.	6.7	115
11	Trends in the Catalytic Activity of Hydrogen Evolution during CO ₂ Electroreduction on Transition Metals. <i>ACS Catalysis</i> , 2018, 8, 3035-3040.	11.2	107
12	Gas Evolution in All-Solid-State Battery Cells. <i>ACS Energy Letters</i> , 2018, 3, 2539-2543.	17.4	100
13	The Critical Role of Fluoroethylene Carbonate in the Gassing of Silicon Anodes for Lithium-Ion Batteries. <i>ACS Energy Letters</i> , 2017, 2, 2228-2233.	17.4	97
14	A Precious-Metal-Free Regenerative Fuel Cell for Storing Renewable Electricity. <i>Advanced Energy Materials</i> , 2013, 3, 1545-1550.	19.5	80
15	Gas Evolution in Lithium-Ion Batteries: Solid versus Liquid Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20462-20468.	8.0	62
16	Carbon Dioxide Electroreduction using a Silver-Zinc Alloy. <i>Energy Technology</i> , 2017, 5, 955-961.	3.8	45
17	High-Throughput in Situ Pressure Analysis of Lithium-Ion Batteries. <i>Analytical Chemistry</i> , 2017, 89, 8122-8128.	6.5	42
18	Employing the Dynamics of the Electrochemical Interface in Aqueous Zinc-Ion Battery Cathodes. <i>Advanced Functional Materials</i> , 2021, 31, 2102135.	14.9	34

#	ARTICLE	IF	CITATIONS
19	Detection of protons using the rotating ring disk electrode method during electrochemical oxidation of battery electrolytes. <i>Electrochemistry Communications</i> , 2020, 120, 106785.	4.7	1