

Hideshi Ooka

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,407
citations

516710

16
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1635
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition between Hydrogen Evolution and Carbon Dioxide Reduction on Copper Electrodes in Mildly Acidic Media. <i>Langmuir</i> , 2017, 33, 9307-9313.	3.5	277
2	Enhancing the stability of cobalt spinel oxide towards sustainable oxygen evolution in acid. <i>Nature Catalysis</i> , 2022, 5, 109-118.	34.4	236
3	Stable Potential Windows for Long-Term Electrocatalysis by Manganese Oxides Under Acidic Conditions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5054-5058.	13.8	182
4	The Sabatier Principle in Electrocatalysis: Basics, Limitations, and Extensions. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	175
5	Enzyme Mimetic Active Intermediates for Nitrate Reduction in Neutral Aqueous Media. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9744-9750.	13.8	77
6	Shift of the Optimum Binding Energy at Higher Rates of Catalysis. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6706-6713.	4.6	68
7	Selective Electrocatalytic Reduction of Nitrite to Dinitrogen Based on Decoupled Proton-Electron Transfer. <i>Journal of the American Chemical Society</i> , 2018, 140, 2012-2015.	13.7	56
8	Evidence that Crystal Facet Orientation Dictates Oxygen Evolution Intermediates on Rutile Manganese Oxide. <i>Advanced Functional Materials</i> , 2018, 28, 1706319.	14.9	50
9	Stable Potential Windows for Long-Term Electrocatalysis by Manganese Oxides Under Acidic Conditions. <i>Angewandte Chemie</i> , 2019, 131, 5108-5112.	2.0	44
10	Legitimate intermediates of oxygen evolution on iridium oxide revealed by in situ electrochemical evanescent wave spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15199-15204.	2.8	40
11	Element strategy of oxygen evolution electrocatalysis based on in situ spectroelectrochemistry. <i>Chemical Communications</i> , 2017, 53, 7149-7161.	4.1	40
12	Efficiency of Oxygen Evolution on Iridium Oxide Determined from the pH Dependence of Charge Accumulation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17873-17881.	3.1	40
13	Non-Zero Binding Enhances Kinetics of Catalysis: Machine Learning Analysis on the Experimental Hydrogen Binding Energy of Platinum. <i>ACS Catalysis</i> , 2021, 11, 6298-6303.	11.2	28
14	<i>In situ</i> FTIR study of CO ₂ reduction on inorganic analogues of carbon monoxide dehydrogenase. <i>Chemical Communications</i> , 2021, 57, 3267-3270.	4.1	26
15	Electrochemistry at Deep-Sea Hydrothermal Vents: Utilization of the Thermodynamic Driving Force towards the Autotrophic Origin of Life. <i>ChemElectroChem</i> , 2019, 6, 1316-1323.	3.4	22
16	Atomic-scale evidence for highly selective electrocatalytic N ₂ coupling on metallic MoS ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31631-31638.	7.1	18
17	Enzyme Mimetic Active Intermediates for Nitrate Reduction in Neutral Aqueous Media. <i>Angewandte Chemie</i> , 2020, 132, 9831-9837.	2.0	13
18	Light-induced cell aggregation of <i>Euglena gracilis</i> towards economically feasible biofuel production. <i>RSC Advances</i> , 2014, 4, 20693-20698.	3.6	11

#	ARTICLE	IF	CITATIONS
19	Design Strategy of Multi-electron Transfer Catalysts Based on a Bioinformatic Analysis of Oxygen Evolution and Reduction Enzymes. <i>Molecular Informatics</i> , 2018, 37, e1700139.	2.5	2
20	Phase-selective Hydrothermal Synthesis of Metallic MoS ₂ at High Temperature. <i>Chemistry Letters</i> , 2019, 48, 828-831.	1.3	2