

Shougo Higashi

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,119
citations

1040056

9
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

2069
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards dense single-atom catalysts for future automotive applications. <i>Nature Catalysis</i> , 2019, 2, 590-602.	34.4	300
2	Avoiding short circuits from zinc metal dendrites in anode by backside-plating configuration. <i>Nature Communications</i> , 2016, 7, 11801.	12.8	286
3	Composites of a Prussian Blue Analogue and Gelatin-Derived Nitrogen-Doped Carbon-Supported Porous Spinel Oxides as Electrocatalysts for a Zn-Air Battery. <i>Advanced Energy Materials</i> , 2016, 6, 1601052.	19.5	98
4	Enhanced Efficiency of Cd-Free Cu(In,Ga)(Se,S) ₂ Minimodule Via (Zn,Mg)O Second Buffer Layer and Alkali Metal Post-Treatment. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 1773-1780.	2.5	98
5	Cathode reaction mechanism of non-aqueous Li-O ₂ batteries with highly oxygen radical stable electrolyte solvent. <i>Journal of Power Sources</i> , 2013, 228, 47-56.	7.8	80
6	CO oxidation activity of non-reducible oxide-supported mass-selected few-atom Pt single-clusters. <i>Nature Communications</i> , 2020, 11, 1888.	12.8	76
7	Ether-functionalized ionic liquid electrolytes for lithium-air batteries. <i>Journal of Power Sources</i> , 2013, 243, 19-23.	7.8	74
8	Evaluation and analysis of Li-air battery using ether-functionalized ionic liquid. <i>Journal of Power Sources</i> , 2013, 240, 14-17.	7.8	49
9	Relationship Between OER Activity and Annealing Temperature of Sputter-Deposited Flat IrO ₂ Thin Films. <i>Catalysis Letters</i> , 2020, 150, 1976-1984.	2.6	19
10	Surface structures formed by individual adsorption and coadsorption of Mn and Bi on Cu(001), studied by LEED. <i>Surface Science</i> , 2006, 600, 591-597.	1.9	8
11	A dry chemical method for dispersing Ir nanoparticles in the pores of activated carbon and their X-ray absorption spectroscopy analysis. <i>New Journal of Chemistry</i> , 2019, 43, 17927-17931.	2.8	7
12	Insight for Designing Mass-Efficient Metal-Oxide-Supported Heterogeneous Catalyst from the Identification of the Catalytically Active Edge Sites Using Isotopically Labeled ¹³ CO and ¹⁸ O ₂ . <i>ACS Catalysis</i> , 2022, 12, 1977-1985.	11.2	7
13	Study of the pore size effect on the charge storage of hydrous RuO ₂ nanoparticles supported within the pores of activated carbon. <i>Solid State Sciences</i> , 2021, 111, 106472.	3.2	5
14	Equivalent ordered-mixed-surface-structures of p(4 \times 4)-p4gm formed on Cu(001) by coadsorptions of Bi+Mg and Sb+Mg. <i>Surface Science</i> , 2005, 588, 167-174.	1.9	4
15	Surface alloy model of p(2 \times 2)Sb/Cu(001) from LEED I/V data. <i>Surface Science</i> , 2008, 602, 2473-2477.	1.9	4
16	Freestanding interconnected nanocluster textiles for efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25061-25072.	10.3	3
17	Determination of a (4 \times 4) structure formed on a Cu(001) surface by adsorption of calcium. <i>Surface Science</i> , 2009, 603, 659-663.	1.9	1
18	Growth of Ultra-Thin MnSi Films on Si(111) Surface: Monte Carlo Simulation. <i>E-Journal of Surface Science and Nanotechnology</i> , 2008, 6, 276-280.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Zn-Air Batteries: Composites of a Prussian Blue Analogue and Gelatin-Derived Nitrogen-Doped Carbon-Supported Porous Spinel Oxides as Electrocatalysts for a Zn-Air Battery (Adv. Energy Mater.) Tj ETQq1 1 0.7843 14 rgBT /Over	1.7843	14