

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	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 $^{18}\text{O}_2$. ACS Catalysis, 2022, 12, 1977-1985.	11.2	7
2	Study of the pore size effect on the charge storage of hydrous RuO_2 nanoparticles supported within the pores of activated carbon. Solid State Sciences, 2021, 111, 106472.	3.2	5
3	Freestanding interconnected nanocluster textiles for efficient oxygen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 25061-25072.	10.3	3
4	Relationship Between OER Activity and Annealing Temperature of Sputter-Deposited Flat IrO_2 Thin Films. Catalysis Letters, 2020, 150, 1976-1984.	2.6	19
5	CO oxidation activity of non-reducible oxide-supported mass-selected few-atom Pt single-clusters. Nature Communications, 2020, 11, 1888.	12.8	76
6	Towards dense single-atom catalysts for future automotive applications. Nature Catalysis, 2019, 2, 590-602.	34.4	300
7	A dry chemical method for dispersing Ir nanoparticles in the pores of activated carbon and their X-ray absorption spectroscopy analysis. New Journal of Chemistry, 2019, 43, 17927-17931.	2.8	7
8	Enhanced Efficiency of Cd-Free $\text{Cu}(\text{In,Ga})(\text{Se,S})_2$ Minimodule Via $(\text{Zn,Mg})\text{O}$ Second Buffer Layer and Alkali Metal Post-Treatment. IEEE Journal of Photovoltaics, 2017, 7, 1773-1780.	2.5	98
9	Composites of a Prussian Blue Analogue and Gelatin-Derived Nitrogen-Doped Carbon-Supported Porous Spinel Oxides as Electrocatalysts for a Zn-Air Battery. Advanced Energy Materials, 2016, 6, 1601052.	19.5	98
10	Avoiding short circuits from zinc metal dendrites in anode by backside-plating configuration. Nature Communications, 2016, 7, 11801.	12.8	286
11	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.)	19.5	98
12	Ether-functionalized ionic liquid electrolytes for lithium-air batteries. Journal of Power Sources, 2013, 243, 19-23.	7.8	74
13	Evaluation and analysis of Li-air battery using ether-functionalized ionic liquid. Journal of Power Sources, 2013, 240, 14-17.	7.8	49
14	Cathode reaction mechanism of non-aqueous Li-O_2 batteries with highly oxygen radical stable electrolyte solvent. Journal of Power Sources, 2013, 228, 47-56.	7.8	80
15	Determination of a $(4\sqrt{3}\times 4)$ structure formed on a $\text{Cu}(001)$ surface by adsorption of calcium. Surface Science, 2009, 603, 659-663.	1.9	1
16	Surface alloy model of $\text{p}(2\sqrt{2}\times 2)\text{Sb}/\text{Cu}(001)$ from LEED I/V data. Surface Science, 2008, 602, 2473-2477.	1.9	4
17	Growth of Ultra-Thin MnSi Films on $\text{Si}(111)$ Surface: Monte Carlo Simulation. E-Journal of Surface Science and Nanotechnology, 2008, 6, 276-280.	0.4	0
18	Surface structures formed by individual adsorption and coadsorption of Mn and Bi on $\text{Cu}(001)$, studied by LEED. Surface Science, 2006, 600, 591-597.	1.9	8

#	ARTICLE	IF	CITATIONS
19	Equivalent ordered-mixed-surface-structures of p(4Å-4)-p4gm formed on Cu(001) by coadsorptions of Bi+Mg and Sb+Mg. Surface Science, 2005, 588, 167-174.	1.9	4