

Zhaohui Xiao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1491401/publications.pdf>

Version: 2024-02-01

20
papers

5,644
citations

471061

17
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

6660
citing authors

#	ARTICLE	IF	CITATIONS
1	A Facile and Environmental-Friendly Approach to Synthesize S-doped Fe/Ni Layered Double Hydroxide Catalyst with High Oxygen Evolution Reaction Efficiency in Water Splitting. <i>ChemElectroChem</i> , 2022, 9, .	1.7	3
2	Recent advances in defect electrocatalysts: Preparation and characterization. <i>Journal of Energy Chemistry</i> , 2021, 53, 208-225.	7.1	98
3	A significant enhancement of bulk charge separation in photoelectrocatalysis by ferroelectric polarization induced in CdS/BaTiO ₃ nanowires. <i>RSC Advances</i> , 2021, 11, 26534-26545.	1.7	4
4	Operando Identification of the Dynamic Behavior of Oxygen Vacancy-Rich Co ₃ O ₄ for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 12087-12095.	6.6	736
5	Identifying the Intrinsic Relationship between the Restructured Oxide Layer and Oxygen Evolution Reaction Performance on the Cobalt Pnictide Catalyst. <i>Small</i> , 2020, 16, e1906867.	5.2	72
6	Identification of active sites for acidic oxygen reduction on carbon catalysts with and without nitrogen doping. <i>Nature Catalysis</i> , 2019, 2, 688-695.	16.1	423
7	Engineering the electronic structure of Co ₃ O ₄ by carbon-doping for efficient overall water splitting. <i>Electrochimica Acta</i> , 2019, 303, 316-322.	2.6	98
8	Defects-Induced In-Plane Heterophase in Cobalt Oxide Nanosheets for Oxygen Evolution Reaction. <i>Small</i> , 2019, 15, e1904903.	5.2	69
9	Low-temperature synthesis of small-sized high-entropy oxides for water oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24211-24216.	5.2	207
10	Bridging the Surface Charge and Catalytic Activity of a Defective Carbon Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1019-1024.	7.2	224
11	Bridging the Surface Charge and Catalytic Activity of a Defective Carbon Electrocatalyst. <i>Angewandte Chemie</i> , 2019, 131, 1031-1036.	1.6	41
12	Transforming Co ₃ O ₄ nanosheets into porous N-doped Co ₃ O ₄ nanosheets with oxygen vacancies for the oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2019, 35, 24-29.	7.1	98
13	3D Carbon Electrocatalysts In Situ Constructed by Defect-Rich Nanosheets and Polyhedrons from NaCl-Sealed Zeolitic Imidazolate Frameworks. <i>Advanced Functional Materials</i> , 2018, 28, 1705356.	7.8	233
14	Defect Engineering of Cobalt-Based Materials for Electrocatalytic Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15954-15969.	3.2	151
15	N-doped nanoporous Co ₃ O ₄ nanosheets with oxygen vacancies as oxygen evolving electrocatalysts. <i>Nanotechnology</i> , 2017, 28, 165402.	1.3	105
16	Filling the oxygen vacancies in Co ₃ O ₄ with phosphorus: an ultra-efficient electrocatalyst for overall water splitting. <i>Energy and Environmental Science</i> , 2017, 10, 2563-2569.	15.6	859
17	Plasma-Engraved Co ₃ O ₄ Nanosheets with Oxygen Vacancies and High Surface Area for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2016, 128, 5363-5367.	1.6	472
18	(E)-Propyl Î±-Cyano-4-Hydroxyl Cinnamylate: A High Sensitive and Salt Tolerant Matrix for Intact Protein Profiling by MALDI Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 709-718.	1.2	18

#	ARTICLE	IF	CITATIONS
19	Edge-selectively phosphorus-doped few-layer graphene as an efficient metal-free electrocatalyst for the oxygen evolution reaction. <i>Chemical Communications</i> , 2016, 52, 13008-13011.	2.2	87
20	Plasma-Engraved Co ₃ O ₄ Nanosheets with Oxygen Vacancies and High Surface Area for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5277-5281.	7.2	1,646