

Zhi-Yu Jia

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,832
citations

687363

13
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552781

26
g-index

30
all docs

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docs citations

30
times ranked

2400
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyoxometalate-Based Metal-Organic Frameworks as the Solid Support to Immobilize MP-11 Enzyme for Enhancing Thermal and Recyclable Stability. <i>ACS Applied Bio Materials</i> , 2022, 5, 1222-1229.	4.6	6
2	Graphdiyne oxide-accelerated charge carrier transfer and separation at the interface for efficient binary organic solar cells. <i>Science China Materials</i> , 2022, 65, 2647-2656.	6.3	4
3	Polyoxometalate-based composite cluster with core-shell structure: $\text{Co}_4(\text{PW}_9)_2$ @graphdiyne as stable electrocatalyst for oxygen evolution and its mechanism research. <i>New Journal of Chemistry</i> , 2022, 46, 11553-11561.	2.8	1
4	Bacterial Cellulose Composite Solid Polymer Electrolyte With High Tensile Strength and Lithium Dendrite Inhibition for Long Life Battery. <i>Energy and Environmental Materials</i> , 2021, 4, 434-443.	12.8	58
5	Composite clusters: $\text{Co}_{5.7}\text{Ni}_{2.3}\text{W}_{12}\text{O}_{42}(\text{OH})_4$ @fluoro-graphdiyne as a stable electrode for sustained electrochemical oxygen evolution under high current conditions. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7666-7674.	5.9	3
6	Graphdiyne oxide doped SnO_2 electron transport layer for high performance perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6913-6922.	5.9	7
7	Interfacial Carrier-Transfer Channel Optimization Based on Hydrogen Bonds for High-Performance Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 3881-3890.	5.1	5
8	Synthesis of Two New Ni ₁₂ Cluster Substituted Sandwiched Phosphotungstates Organic Cluster and their Magnetic Property. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2718-2723.	2.0	2
9	Cu_2O -reduced graphene oxide composite as a high-performance electrocatalyst for oxygen evolution reaction in alkaline media. <i>New Journal of Chemistry</i> , 2021, 45, 19852-19857.	2.8	2
10	Surfactant template preparation of NiO nanocrystals using a gas-liquid diffusion method and electrochemical performance. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109055.	3.9	0
11	Synthesis and hard water resistance mechanism of polycarboxylate dispersant for pesticide water dispersible granules. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1892-1901.	2.4	8
12	Synthesis of two new copper-sandwiched polyoxotungstates and the influence of nuclear number on catalytic hydrogen evolution activity. <i>New Journal of Chemistry</i> , 2020, 44, 11035-11041.	2.8	6
13	Two new Cu-based borate catalysts with cubic supramolecular cages for efficient catalytic hydrogen evolution. <i>Dalton Transactions</i> , 2020, 49, 10156-10161.	3.3	16
14	Hexagonal boron nitride induces anion trapping in a polyethylene oxide based solid polymer electrolyte for lithium dendrite inhibition. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9579-9589.	10.3	81
15	Highly efficient and selective photocatalytic CO_2 reduction based on water-soluble CdS QDs modified by the mixed ligands in one pot. <i>Catalysis Science and Technology</i> , 2020, 10, 2821-2829.	4.1	21
16	Syntheses, Structures and Characterizations of Two New Polyborates Containing Heptaborate Sub-clusters. <i>Journal of Cluster Science</i> , 2019, 30, 1139-1144.	3.3	4
17	In situ Generation of Hypervalent Iodine Reagents for the Electrophilic Chlorination of Arenes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2812-2818.	2.4	23
18	A New Hepta-Nuclear Ti-Oxo-Cluster-Substituted Tungstoantimonate and Its Catalytic Oxidation of Thioethers. <i>Crystal Growth and Design</i> , 2019, 19, 376-380.	3.0	30

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19	Anchoring zero valence single atoms of nickel and iron on graphdiyne for hydrogen evolution. Nature Communications, 2018, 9, 1460.	12.8	781
20	Low temperature, atmospheric pressure for synthesis of a new carbon Ene-yne and application in Li storage. Nano Energy, 2017, 33, 343-349.	16.0	92
21	Fabrication and Electroproperties of Nanoribbons: Carbon Ene-Yne. Advanced Electronic Materials, 2017, 3, 1700133.	5.1	11
22	Synthesis and Properties of 2D Carbon-Graphdiyne. Accounts of Chemical Research, 2017, 50, 2470-2478.	15.6	420
23	New method for the synthesis of a highly-conjugated acene material and its application in Perovskite solar cells. Materials Chemistry Frontiers, 2017, 1, 2261-2264.	5.9	8
24	Controlling the Interface Areas of Organic/Inorganic Semiconductor Heterojunction Nanowires for High-Performance Diodes. ACS Applied Materials & Interfaces, 2016, 8, 21563-21569.	8.0	26
25	A method for controlling the synthesis of stable twisted two-dimensional conjugated molecules. Nature Communications, 2016, 7, 11637.	12.8	60
26	An Alternative to the Classical $\text{I}^{\text{+}}\text{Ar}^{\text{-}}$ Arylation: The Transfer of an Intact 2-Iodoaryl from $\text{Ar}(\text{O})_2\text{CCF}_3$. Angewandte Chemie - International Edition, 2014, 53, 11298-11301.	13.8	102
27	Architecting Pyrenyl-graphdiyne Nanowalls for High Capacity and Long-life Lithium Storage. Chemical Research in Chinese Universities, 0, , 1.	2.6	2