Zhi-Yu Jia

List of Publications by Year
in descending order

27 papers	1,832 citations	687363 13 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	2400 citing authors

#	Article	IF	Citations
1	Anchoring zero valence single atoms of nickel and iron on graphdiyne for hydrogen evolution. Nature Communications, 2018, 9, 1460.	12.8	781
2	Synthesis and Properties of 2D Carbonâ€"Graphdiyne. Accounts of Chemical Research, 2017, 50, 2470-2478.	15.6	420
3	An Alternative to the Classical Î±â€Arylation: The Transfer of an Intact 2â€Iodoaryl from ArI(O₂CCF₃)₂. Angewandte Chemie - International Edition, 2014, 53, 11298-11301.	13.8	102
4	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
5	Hexagonal boron nitride induces anion trapping in a polyethylene oxide based solid polymer electrolyte for lithium dendrite inhibition. Journal of Materials Chemistry A, 2020, 8, 9579-9589.	10.3	81
6	A method for controlling the synthesis of stable twisted two-dimensional conjugated molecules. Nature Communications, 2016, 7, 11637.	12.8	60
7	Bacterial Cellulose Composite Solid Polymer Electrolyte With High Tensile Strength and Lithium Dendrite Inhibition for Long Life Battery. Energy and Environmental Materials, 2021, 4, 434-443.	12.8	58
8	A New Hepta-Nuclear Ti-Oxo-Cluster-Substituted Tungstoantimonate and Its Catalytic Oxidation of Thioethers. Crystal Growth and Design, 2019, 19, 376-380.	3.0	30
9	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
10	In situ Generation of Hypervalent Iodine Reagents for the Electrophilic Chlorination of Arenes. European Journal of Organic Chemistry, 2019, 2019, 2812-2818.	2.4	23
11	Highly efficient and selective photocatalytic CO₂ reduction based on water-soluble CdS QDs modified by the mixed ligands in one pot. Catalysis Science and Technology, 2020, 10, 2821-2829.	4.1	21
12	Two new Cu-based borate catalysts with cubic supramolecular cages for efficient catalytic hydrogen evolution. Dalton Transactions, 2020, 49, 10156-10161.	3.3	16
13	Fabrication and Electroproperties of Nanoribbons: Carbon Eneâ€"Yne. Advanced Electronic Materials, 2017, 3, 1700133.	5.1	11
14	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
15	Synthesis and hard water resistance mechanism of polycarboxylate dispersant for pesticide water dispersible granules. Journal of Dispersion Science and Technology, 2020, 41, 1892-1901.	2.4	8
16	Graphdiyne oxide doped SnO₂electron transport layer for high performance perovskite solar cells. Materials Chemistry Frontiers, 2021, 5, 6913-6922.	5.9	7
17	Synthesis of two new copper-sandwiched polyoxotungstates and the influence of nuclear number on catalytic hydrogen evolution activity. New Journal of Chemistry, 2020, 44, 11035-11041.	2.8	6
18	Polyoxometalate-Based Metalâ€"Organic Frameworks as the Solid Support to Immobilize MP-11 Enzyme for Enhancing Thermal and Recyclable Stability. ACS Applied Bio Materials, 2022, 5, 1222-1229.	4.6	6

#	Article	IF	Citations
19	Interfacial Carrier-Transfer Channel Optimization Based on Hydrogen Bonds for High-Performance Organic Solar Cells. ACS Applied Energy Materials, 2021, 4, 3881-3890.	5.1	5
20	Syntheses, Structures and Characterizations of Two New Polyborates Containing Heptaborate Sub-clusters. Journal of Cluster Science, 2019, 30, 1139-1144.	3.3	4
21	Graphdiyne oxide-accelerated charge carrier transfer and separation at the interface for efficient binary organic solar cells. Science China Materials, 2022, 65, 2647-2656.	6.3	4
22	Composite clusters: Co_{5.7}Ni_{2.3}W₁₂O₄₂(OH)₄@fluoro-graphdiyne as a stable electrode for sustained electrochemical oxygen evolution under high current conditions. Materials Chemistry Frontiers, 2021, 5, 7666-7674.	5.9	3
23	Synthesis of Two New Ni 12 â€Cluster Substituted Sandwiched Phosphotungstates Organicâ€Cluster and their Magnetic Property. European Journal of Inorganic Chemistry, 2021, 2021, 2718-2723.	2.0	2
24	Cu2Oâ€“reduced graphene oxide composite as a high-performance electrocatalyst for oxygen evolution reaction in alkaline media. New Journal of Chemistry, 2021, 45, 19852-19857.	2.8	2
25	Architecting Pyrenyl-graphdiyne Nanowalls for High Capacity and Long-life Lithium Storage. Chemical Research in Chinese Universities, 0, , 1.	2.6	2
26	Polyoxometalate-based composite cluster with coreâ€“shell structure: Co₄(PW₉)₂@graphdiyne as stable electrocatalyst for oxygen evolution and its mechanism research. New Journal of Chemistry, 2022, 46, 11553-11561.	2.8	1
27	Surfactant template preparation of NiO nanocrystals using a gas-liquid diffusion method and electrochemical performance. Inorganic Chemistry Communication, 2021, 134, 109055.	3.9	0