

Weijian Xu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

693
citations

759233

12
h-index

677142

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22
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22
docs citations

22
times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational design of self-supported WC/Co ₃ W ₃ N/Co@NC yolk/shell nitrogen-doped porous carbon catalyst for highly efficient overall water splitting. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163627.	5.5	8
2	Oxygen vacancy-rich ultrafine CoP/Co ₃ O ₄ nanoparticles as high-efficiency trifunctional electrocatalyst. <i>Electrochimica Acta</i> , 2022, 412, 140134.	5.2	13
3	Versatile quantitative biopsy: an approach for cost-effective detection of hydrogen peroxide in tissue specimens. <i>New Journal of Chemistry</i> , 2021, 45, 4311-4317.	2.8	3
4	N-, P-, and O-doped porous carbon: A trifunctional metal-free electrocatalyst. <i>Applied Surface Science</i> , 2021, 544, 148912.	6.1	44
5	Bimetal zeolite imidazolate framework derived Mo _{0.84} Ni _{0.16} -Mo ₂ C@NC nanosphere for overall water splitting in alkaline solution. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 349-357.	9.4	23
6	A photochromic salicylhydrazide based on perylene diimide and its application for ion sensor probes. <i>Journal of Luminescence</i> , 2021, 241, 118416.	3.1	1
7	A feasible and environmentally friendly method to simultaneously synthesize MoS ₂ quantum dots and pore-rich monolayer MoS ₂ for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 433-442.	7.1	24
8	Few-layer N-doped porous carbon nanosheets derived from corn stalks as a bifunctional electrocatalyst for overall water splitting. <i>Fuel</i> , 2020, 280, 118567.	6.4	50
9	Lipase-catalyzed Reactive Extrusion: Copolymerization of ϵ -Caprolactone and ϵ -Pentadecalactone. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000417.	3.9	7
10	Synthesis of nanoporous graphenes via decarboxylation reaction. <i>Chemical Communications</i> , 2020, 56, 6336-6339.	4.1	2
11	Ultra-low cobalt loading on N-doped carbon nanosheets by polymer pyrolysis strategy for efficient electrocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020, 518, 146239.	6.1	10
12	Lipase-catalyzed ring-opening copolymerization of ϵ -pentadecalactone and γ -valerolactone by reactive extrusion. <i>Green Chemistry</i> , 2020, 22, 662-668.	9.0	12
13	A novel MnO ₂ /MXene composite prepared by electrostatic self-assembly and its use as an electrode for enhanced supercapacitive performance. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 199-208.	6.0	68
14	Synthesis of a novel graphene-based gold nanocomposite using PVEIM-b-PNIPAM as a stabilizer and its thermosensitivity for the catalytic reduction of 4-nitrophenol. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 903-913.	6.0	21
15	Polyoxometalate-coupled MXene nanohybrid via poly(ionic liquid) linkers and its electrode for enhanced supercapacitive performance. <i>Nanoscale</i> , 2018, 10, 20043-20052.	5.6	73
16	Morphological patterns of controlled particle dispersion by photoisomerization of spiropyrans. <i>Materials Letters</i> , 2016, 180, 291-294.	2.6	6
17	Mutually Duplicated Templates and Their Versatile Applications. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600351.	3.7	1
18	Investigating and biomimicking the surface wetting behaviors of ginkgo leaf. <i>Soft Matter</i> , 2014, 10, 8800-8803.	2.7	22

#	ARTICLE	IF	CITATIONS
19	Durable superoleophobic fabric surfaces with counterintuitive superwettability for polar solvents. <i>AICHE Journal</i> , 2014, 60, 2752-2756.	3.6	64
20	Photoresponsive superhydrophobic surfaces for effective wetting control. <i>Soft Matter</i> , 2014, 10, 9187-9192.	2.7	57
21	Fabrication of a coumarin-driven switchable superhydrophobic silica surface by photochemistry. <i>Soft Matter</i> , 2012, 8, 7357.	2.7	20
22	Robust Fe ₃ O ₄ /SiO ₂ -Pt/Au/Pd Magnetic Nanocatalysts with Multifunctional Hyperbranched Polyglycerol Amplifiers. <i>Langmuir</i> , 2010, 26, 11217-11225.	3.5	164