Weijian Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3280402/publications.pdf

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22	693	759233 12	677142 22
papers	citations	h-index	g-index

22	22	22	1081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robust Fe₃O₄/SiO₂-Pt/Au/Pd Magnetic Nanocatalysts with Multifunctional Hyperbranched Polyglycerol Amplifiers. Langmuir, 2010, 26, 11217-11225.	3.5	164
2	Polyoxometalate-coupled MXene nanohybridviapoly(ionic liquid) linkers and its electrode for enhanced supercapacitive performance. Nanoscale, 2018, 10, 20043-20052.	5.6	73
3	A novel MnO₂/MXene composite prepared by electrostatic self-assembly and its use as an electrode for enhanced supercapacitive performance. Inorganic Chemistry Frontiers, 2019, 6, 199-208.	6.0	68
4	Durable superoleophobic fabric surfaces with counterintuitive superwettability for polar solvents. AICHE Journal, 2014, 60, 2752-2756.	3.6	64
5	Photoresponsive superhydrophobic surfaces for effective wetting control. Soft Matter, 2014, 10, 9187-9192.	2.7	57
6	Few-layer N-doped porous carbon nanosheets derived from corn stalks as a bifunctional electrocatalyst for overall water splitting. Fuel, 2020, 280, 118567.	6.4	50
7	N-, P-, and O-doped porous carbon: A trifunctional metal-free electrocatalyst. Applied Surface Science, 2021, 544, 148912.	6.1	44
8	A feasible and environmentally friendly method to simultaneously synthesize MoS2 quantum dots and pore-rich monolayer MoS2 for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 433-442.	7.1	24
9	Bimetal zeolite imidazolate framework derived Mo0.84Ni0.16-Mo2C@NC nanosphere for overall water splitting in alkaline solution. Journal of Colloid and Interface Science, 2021, 592, 349-357.	9.4	23
10	Investigating and biomimicking the surface wetting behaviors of ginkgo leaf. Soft Matter, 2014, 10, 8800-8803.	2.7	22
11	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. Inorganic Chemistry Frontiers, 2019, 6, 903-913.	6.0	21
12	Fabrication of a coumarin-driven switchable superhydrophobic silica surface by photochemistry. Soft Matter, 2012, 8, 7357.	2.7	20
13	Oxygen vacancy-rich ultrafine CoP/Co3O4 nanoparticles as high-efficiency trifunctional electrocatalyst. Electrochimica Acta, 2022, 412, 140134.	5.2	13
14	Lipase-catalyzed ring-opening copolymerization of Ï‰-pentadecalactone and Î´-valerolactone by reactive extrusion. Green Chemistry, 2020, 22, 662-668.	9.0	12
15	Ultra-low cobalt loading on N-doped carbon nanosheets by polymer pyrolysis strategy for efficient electrocatalytic hydrogen evolution. Applied Surface Science, 2020, 518, 146239.	6.1	10
16	Rational design of self-supported WC/Co3W3N/Co@NC yolk/shell nitrogen-doped porous carbon catalyst for highly efficient overall water splitting. Journal of Alloys and Compounds, 2022, 902, 163627.	5.5	8
17	Lipaseâ€Catalyzed Reactive Extrusion: Copolymerization of Îµâ€Caprolactone and Ï‰â€Pentadecalactone. Macromolecular Rapid Communications, 2020, 41, e2000417.	3.9	7
18	Morphological patterns of controlled particle dispersion by photoisomerization of spiropyrans. Materials Letters, 2016, 180, 291-294.	2.6	6

#	Article	IF	Citations
19	Versatile quantitative biopsy: an approach for cost-effective detection of hydrogen peroxide in tissue specimens. New Journal of Chemistry, 2021, 45, 4311-4317.	2.8	3
20	Synthesis of nanoporous graphenes via decarboxylation reaction. Chemical Communications, 2020, 56, 6336-6339.	4.1	2
21	Mutually Duplicated Templates and Their Versatile Applications. Advanced Materials Interfaces, 2016, 3, 1600351.	3.7	1
22	A photochromic salicylhydrazide based on perylene diimide and its application for ion sensor probes. Journal of Luminescence, 2021, 241, 118416.	3.1	1