

Lin-Fei Zhang

List of Publications by Year in descending order

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27
papers

1,100
citations

430874

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501196

28
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docs citations

30
times ranked

2064
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of 2D anatase TiO ₂ with highly reactive facets by fluorine-free topochemical conversion of 1T-TiS ₂ nanosheets. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13884-13894.	10.3	7
2	2D MoSe ₂ /CoP intercalated nanosheets for efficient electrocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19246-19256.	7.1	32
3	Site-selective Bi ₂ Te ₃ FeTe ₂ Heterostructure as a Broadband Saturable Absorber for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900409.	8.7	43
4	A laser synthesis of vanadium oxide bonded graphene for high-rate supercapacitors. <i>Journal of Energy Chemistry</i> , 2020, 49, 174-178.	12.9	12
5	Enhanced Electrocatalytic Hydrogen Evolution Activity in Single-Atom Pt-Decorated VS ₂ Nanosheets. <i>ACS Nano</i> , 2020, 14, 5600-5608.	14.6	135
6	Defect-induced nucleation and epitaxial growth of a MOF-derived hierarchical Mo ₂ C@Co architecture for an efficient hydrogen evolution reaction. <i>RSC Advances</i> , 2020, 10, 13838-13847.	3.6	7
7	Phosphorous doped graphitic-C ₃ N ₄ hierarchical architecture for hydrogen production from water under visible light. <i>Materials Today Energy</i> , 2017, 5, 91-98.	4.7	27
8	Axial Modulation of Metal-Insulator Phase Transition of VO ₂ Nanowires by Graded Doping Engineering for Optically Readable Thermometers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24877-24885.	3.1	31
9	A laser irradiation synthesis of strongly-coupled VO _x -reduced graphene oxide composites as enhanced performance supercapacitor electrodes. <i>Materials Today Energy</i> , 2017, 5, 222-229.	4.7	13
10	Efficient coupling of a hierarchical V ₂ O ₅ @Ni ₃ S ₂ hybrid nanoarray for pseudocapacitors and hydrogen production. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17954-17962.	10.3	88
11	Three Dimensional Sculpturing of Vertical Nanowire Arrays by Conventional Photolithography. <i>Scientific Reports</i> , 2016, 6, 18886.	3.3	7
12	Y-shaped ZnO Nanobelts Driven from Twinned Dislocations. <i>Scientific Reports</i> , 2016, 6, 22494.	3.3	10
13	V ₂ O ₅ -C-SnO ₂ Hybrid Nanobelts as High Performance Anodes for Lithium-ion Batteries. <i>Scientific Reports</i> , 2016, 6, 33597.	3.3	31
14	Hierarchical ZnO Nanostructures with Blooming Flowers Driven by Screw Dislocations. <i>Scientific Reports</i> , 2015, 5, 8226.	3.3	14
15	Entropically Driven Formation of Ultralong Helical Mesostructured Organosilica Nanofibers. <i>Small</i> , 2014, 10, 888-894.	10.0	3
16	pH-controlled growth of ultrathin iron vanadium oxide (FeV ₃ O ₈) nanoplatelets with high visible-light photo-catalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14903.	10.3	23
17	Multifunctional Co _{0.85} Se/graphene hybrid nanosheets: controlled synthesis and enhanced performances for the oxygen reduction reaction and decomposition of hydrazine hydrate. <i>Nanoscale</i> , 2014, 6, 1782-1789.	5.6	78
18	Highly Branched Concave Au/Pd Bimetallic Nanocrystals with Superior Electrocatalytic Activity and Highly Efficient SERS Enhancement. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 645-649.	13.8	152

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19	Controlled growth of concave gold nanobars with high surface-enhanced Raman-scattering and excellent catalytic activities. <i>Nanoscale</i> , 2013, 5, 5794.	5.6	23
20	Dodecahedral Au@Pd nanocrystals with high-index facets and excellent electrocatalytic activity and highly efficient surface-enhanced Raman scattering enhancement. <i>Nanoscale</i> , 2013, 5, 6074.	5.6	33
21	Novel CeO ₂ yolk-shell structures loaded with tiny Au nanoparticles for superior catalytic reduction of p-nitrophenol. <i>Nanoscale</i> , 2012, 4, 6835.	5.6	86
22	Highly uniform CeO ₂ hierarchical microstructures: Facile synthesis and catalytic activity evaluation. <i>Applied Surface Science</i> , 2012, 263, 769-776.	6.1	13
23	Facile synthesis of concave decahedra enclosed by high-index facets and truncated decahedra with a large size. <i>Dalton Transactions</i> , 2012, 41, 4948.	3.3	6
24	Uniform and Porous Ce _{1-x} Zn _x O ₂ Solid Solution Nanodisks: Preparation and Their CO Oxidation Activity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13127-13132.	3.1	48
25	Terbium-based infinite coordination polymer hollow microspheres: preparation and white-light emission. <i>Journal of Materials Chemistry</i> , 2011, 21, 16574.	6.7	111
26	Gelatin-mediated hydrothermal synthesis of apple-like LaCO ₃ OH hierarchical nanostructures and tunable white-light emission. <i>CrystEngComm</i> , 2011, 13, 4151.	2.6	24
27	Mixed-solvothermal synthesis of CdS micro/nanostructures and their optical properties. <i>Applied Surface Science</i> , 2011, 257, 2599-2603.	6.1	20