

# Yanhe Xiao

## List of Publications by Year in descending order

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44  
papers

1,121  
citations

430874

18  
h-index

414414

32  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1835  
citing authors

#	ARTICLE	IF	CITATIONS
1	An individual sandwich hybrid nanostructure of cobalt disulfide in-situ grown on N doped carbon layer wrapped on multi-walled carbon nanotubes for high-efficiency lithium sulfur batteries. Journal of Colloid and Interface Science, 2022, 610, 560-572.	9.4	13
2	Revealing the synergistic mechanism of multiply nanostructured V <sub>2</sub> O <sub>3</sub> hollow nanospheres integrated with doped N, Ni heteroatoms, in-situ grown carbon nanotubes and coated carbon nanolayers for the enhancement of lithium-sulfur batteries. Journal of Colloid and Interface Science, 2022, 612, 760-771.	9.4	11
3	Self-supported electrode based on two-dimensional NiPS <sub>3</sub> for supercapacitor application. Journal of Colloid and Interface Science, 2022, 616, 401-412.	9.4	13
4	Pore regulation of well-developed honeycomb-like carbon materials from Zizania latifolia for supercapacitors. Journal of Energy Storage, 2022, 52, 104910.	8.1	16
5	Novel Strategy toward Chromium-Based Thiospinel Multifunctional Magnetic Materials from Amorphous Chromites. Crystal Growth and Design, 2022, 22, 4277-4287.	3.0	2
6	Bi <sub>19</sub> S <sub>27</sub> I <sub>3</sub> nanorods: a new candidate for photothermal therapy in the first and second biological near-infrared windows. Nanoscale, 2021, 13, 5369-5382.	5.6	13
7	Giant Piezoresistive Effect of CdS@C Hybrid Nanobelts for Volatile Real-Time Sensor and Erasable Nonvolatile Memory to Stress. ACS Applied Materials & Interfaces, 2021, 13, 22785-22795.	8.0	0
8	Isomorphous Substitution Synthesis and Photoelectric Properties of Spinel AgInSn <sub>4</sub> Nanosheets. Chemistry of Materials, 2020, 32, 9713-9720.	6.7	12
9	Wurtzite CuNi <sub>2</sub> InS <sub>4</sub> Nanocrystals: A Quaternary Chalcogenide Magnetic Semiconductor. Inorganic Chemistry, 2019, 58, 15283-15290.	4.0	4
10	Trap-Related Nonvolatile Negative Photoconductivity in a Single Ag@Al <sub>2</sub> O <sub>3</sub> Hybrid Nanorod for a Photomemory with Light-Writing and Bias-Erasing. Advanced Optical Materials, 2019, 7, 1901154.	7.3	18
11	Nickel formate induced high-level in situ Ni-doping of g-C <sub>3</sub> N <sub>4</sub> for a tunable band structure and enhanced photocatalytic performance. Journal of Materials Chemistry A, 2019, 7, 22385-22397.	10.3	101
12	Ultrahigh stress response and storage properties in a single CdS nanobelt-based flexible device for an erasable nonvolatile stress sensing and memory effect. Journal of Materials Chemistry C, 2019, 7, 7654-7663.	5.5	5
13	Controllable switching properties in an individual CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> micro/nanowire-based transistor for gate voltage and illumination dual-driving non-volatile memory. Journal of Materials Chemistry C, 2019, 7, 4259-4266.	5.5	18
14	Enhanced visible light catalysis activity of CdS-sheathed SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> nanocomposites. Dalton Transactions, 2018, 47, 7941-7948.	3.3	13
15	A surface state-controlled, high-performance, self-powered photovoltaic detector based on an individual SnS nanorod with a symmetrical electrode structure. Journal of Materials Chemistry C, 2018, 6, 9071-9080.	5.5	21
16	Conversion of biomass waste to multi-heteroatom-doped carbon networks with high surface area and hierarchical porosity for advanced supercapacitors. Journal of Materials Science, 2018, 53, 14536-14547.	3.7	44
17	Light-Induced Anomalous Resistive Switches Based on Individual Organic-Inorganic Halide Perovskite Micro-Nanofibers. Advanced Electronic Materials, 2018, 4, 1800206.	5.1	26
18	Rewritable non-volatile stress information memory by bulk trap-induced giant piezoresistance effect in individual PbS micro/nanowires. Journal of Materials Chemistry C, 2017, 5, 229-237.	5.5	11

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19	A Hierarchically Porous Hollow Structure of Layered Bi <sub>2</sub> TiO <sub>4</sub> F <sub>2</sub> for Efficient Photocatalysis. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1892-1899.	2.0	7
20	Direct growth of nickel terephthalate on Ni foam with large mass-loading for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19323-19332.	10.3	69
21	Enhanced Giant Piezoresistance Performance of Sandwiched ZnS/Si/SiO <sub>2</sub> Radial Heterostructure Nanotubes for Nonvolatile Stress Memory with Repeatable Writing and Erasing. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34648-34658.	8.0	10
22	Surface state controlled ultrahigh selectivity and sensitivity for UV photodetectors based on individual SnO <sub>2</sub> nanowires. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8399-8406.	5.5	43
23	Gate-Free Controlled Multibit Memories Based on Individual ZnO:In Micro/Nanowire Back-to-Back Diodes. <i>Advanced Electronic Materials</i> , 2016, 2, 1500395.	5.1	7
24	PMMA interlayer-modulated memory effects by space charge polarization in resistive switching based on CuSCN-nanopyramids/ZnO-nanorods p-n heterojunction. <i>Scientific Reports</i> , 2015, 5, 17859.	3.3	34
25	Ultrahigh performance negative thermal-resistance switching based on individual ZnO:K, Cl micro/nanowires for multibit nonvolatile resistance random access memory dual-written/erased repeatedly by temperature or bias. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12220-12229.	5.5	7
26	Carbon-encapsulated CdSe quantum dot inorganic hybrid nanobelts for high performance photoelectronic devices based on the efficient separation and transfer of photoinduced holes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2471-2478.	5.5	10
27	Space charge polarization-induced symmetrical negative resistive switching in individual p-type GeSe <sub>2</sub> :Bi superstructure nanobelts for non-volatile memory. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5207-5213.	5.5	21
28	A facile in situ reduction route for preparation of spinel CoCr <sub>2</sub> O <sub>4</sub> polycrystalline nanosheets and their magnetic properties. <i>CrystEngComm</i> , 2014, 16, 277-286.	2.6	21
29	Synthesis and magnetic properties of MNb <sub>2</sub> O <sub>6</sub> (M = Fe, Co, Ni) nanoparticles. <i>RSC Advances</i> , 2014, 4, 52740-52748.	3.6	19
30	Preparation and magnetic and microwave absorption properties of MnNb <sub>2</sub> O <sub>6</sub> ellipsoid-like hierarchical structures. <i>CrystEngComm</i> , 2014, 16, 7949-7955.	2.6	14
31	Individual Ohmic contacted ZnO/Zn <sub>2</sub> SnO <sub>4</sub> radial heterostructured nanowires as photodetectors with a broad-spectral-response: injection of electrons into/from interface states. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1808.	5.5	33
32	The ferromagnetic-antiferromagnetic properties of Ni-Cr <sub>2</sub> O <sub>3</sub> composite hollow spheres prepared by an in situ reduction method. <i>CrystEngComm</i> , 2014, 16, 1322-1333.	2.6	12
33	Spinel Indium Sulfide Precursor for the Phase-Selective Synthesis of Cu-In-S Nanocrystals with Zinc-Blende, Wurtzite, and Spinel Structures. <i>Chemistry of Materials</i> , 2013, 25, 2991-2997.	6.7	63
34	General synthesis of rare-earth orthochromites with quasi-hollow nanostructures and their magnetic properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11982.	10.3	64
35	Self-template formation and properties study of Cr <sub>2</sub> O <sub>3</sub> nanoparticle tubes. <i>Journal of Materials Chemistry</i> , 2012, 22, 1643-1651.	6.7	32
36	BaAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> Nanotube Synthesis by Heating Conversion of Homogeneous Coprecipitates and Afterglow Characteristics. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1708-1713.	3.1	43

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37	SrAl <sub>x</sub> O <sub>y</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> (x = 4) nanostructures: Structure and morphology transformations and long-lasting phosphorescence properties. CrystEngComm, 2011, 13, 3545.	2.6	31
38	Highly sensitive humidity sensor based on amorphous Al <sub>2</sub> O <sub>3</sub> nanotubes. Journal of Materials Chemistry, 2011, 21, 1907-1912.	6.7	123
39	SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> nanobelts: Synthesis by combustion and properties of long-persistent phosphorescence. Journal of Materials Research, 2011, 26, 2311-2315.	2.6	17
40	Disorder-induced Raman scattering effects in one-dimensional ZnO nanostructures by incorporation and anisotropic distribution of Dy and Li codopants. Journal of Raman Spectroscopy, 2010, 41, 1221-1226.	2.5	36
41	Trapping states in CdS:Eu nanobelts studied by excitation-dependent photoluminescence. Journal of Applied Physics, 2010, 108, .	2.5	15
42	Power- and energy-dependent photoluminescence of Eu <sup>3+</sup> incorporated and segregated ZnO polycrystalline nanobelts synthesized by a facile combustion method followed by heat treatment. Journal of Materials Chemistry, 2010, 20, 7821.	6.7	33
43	Ordered Zinc Antimonate Nanoisland Attachment and Morphology Control of ZnO Nanobelts by Sb Doping. Journal of Physical Chemistry C, 2009, 113, 9638-9643.	3.1	15
44	Sulfur-source-dependent phase-selective preparation of Cu <sub>3</sub> NiInSnS <sub>6</sub> nanocrystals and their optical and magnetic properties. Dalton Transactions, 0, , .	3.3	1