

# Xiong Wang

## List of Publications by Year in descending order

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75  
papers

3,400  
citations

117625

34  
h-index

144013

57  
g-index

77  
all docs

77  
docs citations

77  
times ranked

4799  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable Synthesis and Enhanced Photoactivity of Two-Dimensional Bi <sub>2</sub> WO <sub>6</sub> Ultra-Thin Nanosheets. <i>ChemistrySelect</i> , 2021, 6, 5381-5386.	1.5	1
2	Synergetic effect of piezoelectricity and Ag deposition on photocatalytic performance of barium titanate perovskite. <i>Solar Energy</i> , 2021, 224, 455-461.	6.1	22
3	Enhanced photocatalytic efficiency in degrading organic dyes by coupling CdS nanowires with ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Solar Energy</i> , 2020, 195, 271-277.	6.1	30
4	Holey g-C <sub>3</sub> N <sub>4</sub> nanosheet wrapped Ag <sub>3</sub> PO <sub>4</sub> photocatalyst and its visible-light photocatalytic performance. <i>Solar Energy</i> , 2019, 191, 70-77.	6.1	39
5	Construction of all-solid-state Z-scheme 2D BiVO <sub>4</sub> /Ag/CdS composites with robust photoactivity and stability. <i>Applied Surface Science</i> , 2019, 498, 143900.	6.1	40
6	Novel Bi <sub>12</sub> TiO <sub>20</sub> /g-C <sub>3</sub> N <sub>4</sub> composite with enhanced photocatalytic performance through Z-scheme mechanism. <i>Journal of Materials Science</i> , 2018, 53, 10039-10048.	3.7	20
7	Two-dimensional CsPbBr <sub>3</sub> /PCBM heterojunctions for sensitive, fast and flexible photodetectors boosted by charge transfer. <i>Nanotechnology</i> , 2018, 29, 085201.	2.6	33
8	Magnetically Separable CdS/ZnFe <sub>2</sub> O <sub>4</sub> Composites with Highly Efficient Photocatalytic Activity and Photostability under Visible Light. <i>ACS Applied Nano Materials</i> , 2018, 1, 831-838.	5.0	47
9	CeVO <sub>4</sub> nanofibers hybridized with g-C <sub>3</sub> N <sub>4</sub> nanosheets with enhanced visible-light-driven photocatalytic activity. <i>Solid State Communications</i> , 2018, 269, 11-15.	1.9	21
10	Ternary GO/Ag <sub>3</sub> PO <sub>4</sub> /AgBr composite as an efficient visible-light-driven photocatalyst. <i>Materials Research Bulletin</i> , 2018, 97, 189-194.	5.2	32
11	<i>In situ</i> formation of CsPbBr <sub>3</sub> /ZnO bulk heterojunctions towards photodetectors with ultrahigh responsivity. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12164-12169.	5.5	35
12	Multifunctional Ag nanoparticles in heterostructured Ag <sub>2</sub> MoO <sub>4</sub> /Ag/AgBr cubes with boosted photocatalytic performances. <i>Solar Energy</i> , 2018, 170, 124-131.	6.1	44
13	High Efficient Photodegradation and Photocatalytic Hydrogen Production of CdS/BiVO <sub>4</sub> Heterostructure through <i>Z</i> -Scheme Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 303-309.	6.7	178
14	Ion-exchange synthesis and improved photovoltaic performance of CdS/Ag <sub>2</sub> S heterostructures for inorganic-organic hybrid solar cells. <i>Solid State Sciences</i> , 2016, 61, 195-200.	3.2	7
15	Self-propagating combustion synthesis and synergistic photocatalytic activity of GdFeO <sub>3</sub> nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 107-113.	2.4	15
16	Reduced graphene oxide wrapped CdS composites with enhanced photocatalytic performance and high stability. <i>Ceramics International</i> , 2016, 42, 372-378.	4.8	39
17	Converting Y(OH) <sub>3</sub> nanofiber bundles to YVO <sub>4</sub> polyhedrons for photodegradation of dye contaminants. <i>Materials Research Bulletin</i> , 2015, 68, 276-282.	5.2	7
18	Controllable synthesis, photocatalytic and electrocatalytic properties of CeO <sub>2</sub> nanocrystals. <i>RSC Advances</i> , 2015, 5, 41506-41512.	3.6	27

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19	Hierarchical nanostructures assembled from ultrathin Bi <sub>2</sub> WO <sub>6</sub> nanoflakes and their visible-light induced photocatalytic property. <i>Journal of Alloys and Compounds</i> , 2015, 620, 228-232.	5.5	32
20	Hydrothermal Synthesis and Visible-Light-Driven Photocatalytic Activities of Bi <sub>2</sub> WO <sub>6</sub> Uniform Hierarchical Microspheres. <i>Advanced Materials Research</i> , 2014, 887-888, 181-184.	0.3	0
21	Enhanced visible light-responsive photocatalytic activity of LnFeO <sub>3</sub> (Ln=La, Sm) nanoparticles by synergistic catalysis. <i>Materials Research Bulletin</i> , 2014, 50, 18-22.	5.2	60
22	Cobalt-free Sr <sub>0.7</sub> Y <sub>0.3</sub> CuO <sub>2+δ</sub> as a cathode for intermediate-temperature solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1030-1038.	7.1	11
23	A facile approach to pure-phase Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> nanoparticles sensitive to visible light. <i>Applied Surface Science</i> , 2014, 321, 144-149.	6.1	65
24	Enhanced photocatalytic behavior and excellent electrochemical performance of hierarchically structured NiO microspheres. <i>RSC Advances</i> , 2014, 4, 35614-35619.	3.6	22
25	Synergistic photocatalytic activity of LnFeO <sub>3</sub> (Ln=Pr, Y) perovskites under visible-light illumination. <i>Ceramics International</i> , 2014, 40, 13813-13817.	4.8	48
26	A facile mixed-solvothermal route to Bi <sub>2</sub> MoO <sub>6</sub> nanoflakes and their visible-light-responsive photocatalytic activity. <i>Materials Research Bulletin</i> , 2013, 48, 3761-3765.	5.2	42
27	EDTA-assisted template-free synthesis and improved photocatalytic activity of homogeneous ZnSe hollow microspheres. <i>Ceramics International</i> , 2013, 39, 5213-5218.	4.8	22
28	Synthesis, Photocatalytic and Electrocatalytic Activities of Wormlike GdFeO <sub>3</sub> Nanoparticles by a Glycol-Assisted Sol-Gel Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 9130-9136.	3.7	71
29	Enhanced visible-light-response photocatalytic activity of bismuth ferrite nanoparticles. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6585-6588.	5.5	133
30	A facile route to well-dispersed single-crystal silver nanoparticles from [AgSO <sub>3</sub> ] <sup>-</sup> in water. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7515-7518.	5.5	17
31	Photocatalytic activities of multiferroic bismuth ferrite nanoparticles prepared by glycol-based sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 1-5.	2.4	33
32	Synthesis and luminescence of single crystalline Bi <sub>2</sub> O <sub>3</sub> nanosheets. <i>Science China Technological Sciences</i> , 2011, 54, 19-22.	4.0	10
33	One-pot synthesis and optical properties of monodisperse ZnSe colloidal microspheres. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 651-656.	2.3	28
34	Magnetic and optical properties of multiferroic bismuth ferrite nanoparticles by tartaric acid-assisted sol-gel strategy. <i>Materials Letters</i> , 2010, 64, 486-488.	2.6	95
35	Characterization and optimization of Ln <sub>1.7</sub> Sr <sub>0.3</sub> CuO <sub>4</sub> (Ln=La, Nd)-based cathodes for intermediate temperature solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2010, 502, 472-476.	5.5	14
36	Ultraviolet-Emitting Bi <sub>2</sub> O <sub>2.33</sub> Nanosheets Prepared by Electrolytic Corrosion of Metal Bi. <i>Journal of Physical Chemistry C</i> , 2010, 114, 864-867.	3.1	13

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37	Spinel Lithium Manganese Oxide Nanoparticles: Unique Molten Salt Synthesis Strategy and Excellent Electrochemical Performances. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6518-6522.	0.9	2
38	High-Yield Synthesis of NiO Nanoplatelets and Their Excellent Electrochemical Performance. <i>Crystal Growth and Design</i> , 2006, 6, 2163-2165.	3.0	132
39	Formation of Uniform Single-Crystalline Bismuth Sulfide Nanowires Under Mixed-Solvent Condition. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2042-2045.	0.9	2
40	Facile solvothermal synthesis of single-crystalline Bi <sub>2</sub> S <sub>3</sub> nanorods on a large scale. <i>Materials Chemistry and Physics</i> , 2006, 95, 154-157.	4.0	42
41	Assembled CuO Hollow Spheres from Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1423-1426.	0.9	6
42	Synthesis and electrochemical performance of amorphous hydrated iron phosphate nanoparticles. <i>Journal of Crystal Growth</i> , 2005, 274, 214-217.	1.5	19
43	Synthesis and optical properties of single-crystalline bismuth selenide nanorods via a convenient route. <i>Journal of Crystal Growth</i> , 2005, 276, 566-570.	1.5	68
44	The U-shaped Fe(1-x)S micro-slots: growth, characterization, and magnetic property. <i>Journal of Crystal Growth</i> , 2005, 277, 314-320.	1.5	12
45	Electrochemical properties of submicron cobalt ferrite spinel through a co-precipitation method. <i>Journal of Crystal Growth</i> , 2005, 277, 467-470.	1.5	74
46	Synthesis and electrochemical properties of nanocrystalline V <sub>2</sub> O <sub>5</sub> flake via a citric acid-assisted sol-gel method. <i>Journal of Crystal Growth</i> , 2005, 281, 463-467.	1.5	21
47	Layered O <sub>2</sub> -Li <sub>2/3</sub> (Ni <sub>1/3-x</sub> Mn <sub>2/3-x</sub> M <sub>2x</sub> )O <sub>2</sub> (M=Cr, Co, x=0.05) cathode materials for Li-ion rechargeable batteries. <i>Solid State Ionics</i> , 2005, 176, 1043-1049.	2.7	6
48	Synthesis of Sb <sub>2</sub> O <sub>3</sub> nanorods under hydrothermal conditions. <i>Materials Research Bulletin</i> , 2005, 40, 469-474.	5.2	35
49	Preparation of hexagonal-MoO <sub>3</sub> and electrochemical properties of lithium intercalation into the oxide. <i>Materials Research Bulletin</i> , 2005, 40, 1751-1756.	5.2	43
50	A Single-Source Approach to Metastable Ni <sub>3</sub> S <sub>4</sub> Crystallites and Their Optical Properties. <i>ChemInform</i> , 2005, 36, no.	0.0	0
51	A reduction-nitridation route to boron nitride nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 1035-1037.	2.3	20
52	Polyol-mediated synthesis of single-crystal tellurium nanowires directly from polycrystalline powder. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 1443-1445.	2.3	11
53	Template-free solution approach to synthesize ZnSe hollow microspheres. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 511-513.	2.3	14
54	Low temperature synthesis of metastable lithium ferrite: magnetic and electrochemical properties. <i>Nanotechnology</i> , 2005, 16, 2677-2680.	2.6	55

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55	Hierarchical Growth and Shape Evolution of HgS Dendrites. <i>Crystal Growth and Design</i> , 2005, 5, 347-350.	3.0	95
56	Optical and electrochemical properties of nanosized NiO via thermal decomposition of nickel oxalate nanofibres. <i>Nanotechnology</i> , 2005, 16, 37-39.	2.6	174
57	Single-Source Approach to Cubic FeS <sub>2</sub> Crystallites and Their Optical and Electrochemical Properties. <i>Inorganic Chemistry</i> , 2005, 44, 951-954.	4.0	102
58	Direct sulfidization synthesis of high-quality binary sulfides (WS <sub>2</sub> , MoS <sub>2</sub> , and VS <sub>2</sub> ) from the respective oxides. <i>Materials Chemistry and Physics</i> , 2004, 87, 327-331.	4.0	34
59	One-Dimensional Arrays of Co <sub>3</sub> O <sub>4</sub> Nanoparticles: Synthesis, Characterization, and Optical and Electrochemical Properties. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16401-16404.	2.6	249
60	Large-scale synthesis of LiFeO <sub>2</sub> nanorods by low-temperature molten salt synthesis (MSS) method. <i>Journal of Crystal Growth</i> , 2004, 265, 220-223.	1.5	43
61	Synthesis of single crystalline layered lithium manganese oxide nanorods. <i>Solid State Communications</i> , 2004, 132, 783-785.	1.9	7
62	Large-scale growth of wire-like Sb <sub>2</sub> Se <sub>3</sub> microcrystallines via PEG-400 polymer chain-assisted route. <i>Journal of Crystal Growth</i> , 2004, 263, 491-497.	1.5	51
63	Synthesis of novel copper sulfide hollow spheres generated from copper (II) thiourea complex. <i>Journal of Crystal Growth</i> , 2004, 263, 570-574.	1.5	125
64	Fabrication and characterization of nanosized single-crystalline LiNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> . <i>Journal of Crystal Growth</i> , 2004, 267, 184-187.	1.5	9
65	Fabrication and electrochemical properties of Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Crystal Growth</i> , 2004, 269, 489-492.	1.5	47
66	Low-temperature synthesis of Fe <sub>2</sub> O <sub>3</sub> nanoparticles with a closed cage structure. <i>Chemical Physics Letters</i> , 2004, 384, 391-393.	2.6	58
67	Synthesis of FeOOH and Fe <sub>2</sub> O <sub>3</sub> nanorods and electrochemical properties of FeOOH. <i>Journal of Materials Chemistry</i> , 2004, 14, 905-907.	6.7	200
68	An ethylene glycol reduction approach to metastable VO <sub>2</sub> nanowire arrays. <i>Nanotechnology</i> , 2004, 15, 1685-1687.	2.6	80
69	Synthesis and Electrochemical Properties of Single-crystal CdVO <sub>6</sub> Nanowire Arrays. <i>Chemistry Letters</i> , 2004, 33, 1374-1375.	1.3	6
70	A Single-source Approach to Metastable Ni <sub>3</sub> S <sub>4</sub> Crystallites and Their Optical Properties. <i>Chemistry Letters</i> , 2004, 33, 1294-1295.	1.3	34
71	Synthesis of nanocrystalline MoN from a new precursor by TPR method. <i>Journal of Materials Science</i> , 2003, 38, 3473-3478.	3.7	12
72	Fabrication and characterization of hexagonal wire-like ZnO. <i>Journal of Crystal Growth</i> , 2003, 253, 357-360.	1.5	16

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73	Preparation and characterization of ternary Cu <sup>2+</sup> Sn <sup>2+</sup> E (E=S, Se) semiconductor nanocrystallites via a solvothermal element reaction route. <i>Journal of Crystal Growth</i> , 2003, 256, 368-376.	1.5	79
74	Citric acid-assisted sol-gel synthesis of nanocrystalline LiMn <sub>2</sub> O <sub>4</sub> spinel as cathode material. <i>Journal of Crystal Growth</i> , 2003, 256, 123-127.	1.5	64
75	Multiferroic Bismuth Ferrite Nanoparticles: Rapid Sintering Synthesis, Characterization, and Optical Properties. <i>Advanced Materials Research</i> , 0, 152-153, 81-85.	0.3	0