

# Shanmin Gao

## List of Publications by Year in descending order

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79  
papers

3,234  
citations

172443

29  
h-index

161844

54  
g-index

80  
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80  
docs citations

80  
times ranked

4048  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen-Bonding Reinforced Flexible Composite Electrodes for Enhanced Energy Storage. <i>Advanced Functional Materials</i> , 2022, 32, 2108003.	14.9	10
2	Enhancement of photocatalytic dye degradation and photoconversion capacity of graphene oxide/SnO <sub>2</sub> nanocomposites. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162796.	5.5	8
3	±-MnO <sub>2</sub> /CNTs with cross-linked reticular structure: Towards ultralong life zinc-ion batteries. <i>Diamond and Related Materials</i> , 2022, 125, 109024.	3.9	14
4	Stacked Cu <sub>2</sub> xSe nanoplates with 2D nanochannels as high performance anode for lithium batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 219-225.	9.4	11
5	Hydrothermal construction of flower-like MoS <sub>2</sub> on TiO <sub>2</sub> NTs for highly efficient environmental remediation and photocatalytic hydrogen evolution. <i>Separation and Purification Technology</i> , 2021, 265, 118463.	7.9	54
6	Plasmonic silver nanoparticles embedded in flexible three-dimensional carbonized melamine foam with enhanced solar-driven water evaporation. <i>Desalination</i> , 2021, 507, 115038.	8.2	55
7	A core/shell structured polypyrrole@manganese dioxide composite as high energy density electrode for asymmetric supercapacitor. <i>Materials Letters</i> , 2021, 295, 129829.	2.6	10
8	Effect of blending manner on composition and photocatalytic performance of Ag/Ag <sub>3</sub> PO <sub>4</sub> /Ag <sub>4</sub> P <sub>2</sub> O <sub>7</sub> composites via an in-situ reduction-precipitation route. <i>Inorganic Chemistry Communication</i> , 2021, 130, 108675.	3.9	4
9	NiS <sub>1.03</sub> @NiMoS <sub>4</sub> nanocrystals encapsulated into the mesoporous carbon microspheres for high performance lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115502.	3.8	13
10	Continuous response fluorescence sensor for three small molecules based on nitrogen-doped carbon quantum dots from prunus lannesiana and their logic gate operation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 257, 119774.	3.9	8
11	Nitrogen-doped hierarchical porous carbon nanomaterial from cellulose nanocrystals for voltammetric determination of ascorbic acid. <i>Microchemical Journal</i> , 2021, 168, 106494.	4.5	7
12	Cage-structured CoFe <sub>2</sub> O <sub>4</sub> @CNTs from Fe-Co-MOF confined growth in CNTs for high electromagnetic wave absorption performances. <i>Composites Communications</i> , 2021, 27, 100910.	6.3	24
13	A yellow-emitting carbon quantum dot-based fluorescent logic gate for the continuous detection of Au <sup>3+</sup> and biothiols. <i>Chemical Communications</i> , 2021, 57, 11549-11552.	4.1	10
14	Solvothermal preparation of Bi/Bi <sub>2</sub> O <sub>3</sub> nanoparticles on TiO <sub>2</sub> NTs for the enhanced photoelectrocatalytic degradation of pollutants. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152478.	5.5	37
15	Enhanced the photoelectrocatalytic performance of TiO <sub>2</sub> nanotube arrays by the synergistic sensitization of Ag-AgBr nanospheres. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117674.	3.9	21
16	Reduced graphene oxide/polypyrrole composite: an advanced electrode for high-performance symmetric/asymmetric supercapacitor. <i>Carbon Letters</i> , 2020, 30, 389-397.	5.9	40
17	A facile strategy for the core-shell FeSiAl composites with high-efficiency electromagnetic wave absorption. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152861.	5.5	16
18	Co <sub>3</sub> S <sub>4</sub> ultrathin nanosheets entangled on N-doped amorphous carbon coated carbon nanotubes with C S bonding for high performance Li-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113794.	3.8	13

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19	Vertical grown BiOI nanosheets on TiO <sub>2</sub> NTs/Ti meshes toward enhanced photocatalytic performances. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153109.	5.5	44
20	Morphology regulated Bi <sub>2</sub> WO <sub>6</sub> nanoparticles on TiO <sub>2</sub> nanotubes by solvothermal Sb <sup>3+</sup> doping as effective photocatalysts for wastewater treatment. <i>Electrochimica Acta</i> , 2020, 330, 135167.	5.2	167
21	Metal vacancies abundant Co <sub>0.6</sub> Fe <sub>0.4</sub> S <sub>2</sub> on N-doped porous carbon nanosheets as anode for high performance lithium batteries. <i>Electrochimica Acta</i> , 2020, 330, 135353.	5.2	9
22	NiMoS <sub>4</sub> nanocrystals anchored on N-doped carbon nanosheets as anode for high performance lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 854-860.	9.4	26
23	Sustainable supercapacitors of nitrogen-doping porous carbon based on cellulose nanocrystals and urea. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4095-4103.	7.5	31
24	2D/1D protonated g-C <sub>3</sub> N <sub>4</sub> /I <sup>±</sup> -MnO <sub>2</sub> Z-scheme heterojunction with enhanced visible-light photocatalytic efficiency. <i>Ceramics International</i> , 2020, 46, 25905-25914.	4.8	23
25	Enhanced electrochemical enantioselectivity of tryptophan enantiomers based on synergistic effect of porous I <sup>2</sup> -CD-containing polymers and multiwalled carbon nanotubes. <i>Microchemical Journal</i> , 2020, 155, 104688.	4.5	8
26	Rooting MnO <sub>2</sub> into protonated g-C <sub>3</sub> N <sub>4</sub> by intermolecular hydrogen bonding for enduring supercapacitance. <i>Nano Energy</i> , 2020, 77, 105153.	16.0	39
27	One-pot preparation of AgBr/AgI/O <sub>3</sub> photocatalysts: Effects of CTAB amount on the morphology and photocatalytic performance. <i>Materials Science in Semiconductor Processing</i> , 2020, 120, 105310.	4.0	11
28	Nitrogen-Doped Carbon Quantum Dots from Poly(ethyleneimine) for Optical Dual-Mode Determination of Cu <sup>2+</sup> and Cysteine and Their Logic Gate Operation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47245-47255.	8.0	52
29	CTAB-assisted solvothermal construction of hierarchical Bi <sub>2</sub> MoO <sub>6</sub> /Bi <sub>5</sub> O <sub>7</sub> Br with improved photocatalytic performances. <i>Separation and Purification Technology</i> , 2020, 242, 116775.	7.9	57
30	Effect of different reductants on the composition and photocatalytic performances of Ag/AgI/O <sub>3</sub> hybrids prepared by in-situ reduction method. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107876.	3.9	4
31	Oxygen-deficient NiMoO <sub>4-x</sub> S <sub>x</sub> nanosheets perpendicularly grown on N-doped carbon nanosheets for high performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 455, 227947.	7.8	20
32	A cross-linked sheet structured poly(3,4-ethylenedioxythiophene) grown on Ni foam: Morphology control and application for long-life cyclic asymmetric supercapacitor. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6120-6127.	7.1	8
33	Diethylenetriamine directed the assembly of Co <sub>0.85</sub> Se nanosheets layer by layer on N-doped carbon nanosheets for high performance lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 332-339.	9.4	21
34	Constructing AgBr/BiOBr microspheres assembled by nanosheets on TiO <sub>2</sub> nanotube arrays for the enhanced photoelectrochemical performance. <i>Separation and Purification Technology</i> , 2019, 209, 343-350.	7.9	23
35	Construction of Sb <sub>2</sub> Se <sub>3</sub> nanocrystals on Cu <sub>2</sub> Se@C nanosheets for high performance lithium storage. <i>New Journal of Chemistry</i> , 2019, 43, 14066-14073.	2.8	6
36	Microstructural and compositional evolution of core-shell FeSiAl composites during high-temperature annealing. <i>Ceramics International</i> , 2019, 45, 21804-21809.	4.8	12

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37	Improved chiral electrochemical recognition of tryptophan enantiomers based on three-dimensional molecularly imprinted overoxidized polypyrrole/MnO <sub>2</sub> /carbon felt composites. <i>Chirality</i> , 2019, 31, 917-922.	2.6	6
38	Separated Tellurium Nanoparticles Confined in Hollow Polypyrrole for High Performance Li-Te Cathode. <i>ChemistrySelect</i> , 2019, 4, 9737-9742.	1.5	11
39	Carbon materials from melamine sponges for supercapacitors and lithium battery electrode materials: A review. , 2019, 1, 253-275.		135
40	Solvothermal fabrication and construction of highly photoelectrocatalytic TiO <sub>2</sub> NTs/Bi <sub>2</sub> MoO <sub>6</sub> heterojunction based on titanium mesh. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 92-101.	9.4	146
41	Enhanced photocatalytic performance of TiO <sub>2</sub> NTs decorated with chrysanthemum-like BiOI nanoflowers. <i>Separation and Purification Technology</i> , 2019, 215, 565-572.	7.9	67
42	2-Aminopurine modified DNA probe for rapid and sensitive detection of l-cysteine. <i>Talanta</i> , 2019, 202, 520-525.	5.5	6
43	Amorphous TiO <sub>2</sub> granular nanodisks on porous Ti foam for highly effective solar cells and photocatalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 85-91.	5.3	20
44	Preparation of fusiform Ti <sup>3+</sup> -self-doped TiO <sub>2</sub> nanoparticles by mixed solvothermal method and its photoelectrochemical properties. <i>Materials Letters</i> , 2019, 252, 134-137.	2.6	7
45	Sacrificial template synthesis of hollow C@MoS <sub>2</sub> @PPy nanocomposites as anodes for enhanced sodium storage performance. <i>Nano Energy</i> , 2019, 60, 362-370.	16.0	104
46	SILAR preparation of Bi <sub>2</sub> S <sub>3</sub> nanoparticles sensitized TiO <sub>2</sub> nanotube arrays for efficient solar cells and photocatalysts. <i>Separation and Purification Technology</i> , 2019, 210, 798-803.	7.9	39
47	Label-free DNA Y junction for detection of Hg <sup>2+</sup> using exonuclease III or graphene oxide-assisted background reduction. <i>Microchemical Journal</i> , 2019, 145, 1086-1093.	4.5	6
48	Electrochemical Chiral Recognition of Tryptophan Isomers Based on Nonionic Surfactant-Assisted Molecular Imprinting Sol-Gel Silica. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2840-2848.	8.0	46
49	Gold nanorods decorated with graphene oxide and multi-walled carbon nanotubes for trace level voltammetric determination of ascorbic acid. <i>Mikrochimica Acta</i> , 2019, 186, 17.	5.0	27
50	Engineering Bi <sub>2</sub> S <sub>3</sub> /BiOI p-n heterojunction to sensitize TiO <sub>2</sub> nanotube arrays photoelectrodes for highly efficient solar cells and photocatalysts. <i>Ceramics International</i> , 2019, 45, 3995-4002.	4.8	34
51	Ultrasound-assisted successive ionic layer adsorption and reaction synthesis of Cu <sub>2</sub> O cubes sensitized TiO <sub>2</sub> nanotube arrays for the enhanced photoelectrochemical performance. <i>Materials Research Bulletin</i> , 2019, 111, 277-283.	5.2	22
52	Hydrothermal deposition of Cu <sub>2</sub> O-Ag nanoparticles co-sensitized TiO <sub>2</sub> nanotube arrays and their enhanced photoelectrochemical performance. <i>Separation and Purification Technology</i> , 2019, 211, 866-872.	7.9	27
53	Fabrication and photoelectrochemical performance of Ag/AgBr sensitized TiO <sub>2</sub> nanotube arrays for environmental and energy applications. <i>Separation and Purification Technology</i> , 2019, 209, 782-788.	7.9	35
54	Ultrasound-assisted synthesis and solar-light-driven photoelectrocatalytic activity of CdS sensitized TiO <sub>2</sub> nanotube array photocatalysts. <i>Separation and Purification Technology</i> , 2018, 194, 216-221.	7.9	32

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55	Sulfur-doped amorphous NiMoO <sub>4</sub> on crystalline Fe <sub>2</sub> O <sub>3</sub> nanorods for enhanced lithium storage performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23819-23827.	10.3	31
56	Construction of TiO <sub>2</sub> nanotube arrays co-sensitized by Sb <sub>2</sub> S <sub>3</sub> -Bi <sub>2</sub> S <sub>3</sub> microspheres by UV-assisted photodeposition for the enhanced photoelectrochemical performance. <i>Ceramics International</i> , 2018, 44, 12825-12830.	4.8	8
57	Electrochemical chiral sensor based on cellulose nanocrystals and multiwall carbon nanotubes for discrimination of tryptophan enantiomers. <i>Cellulose</i> , 2018, 25, 3861-3871.	4.9	27
58	Controllable preparation and photocatalytic activity of ZnO microstructures with different morphology. <i>Micro and Nano Letters</i> , 2018, 13, 565-567.	1.3	3
59	Direct growth of carbon microfibres on SiO <sub>2</sub> particles by chemical vapour deposition from ethanol. <i>Micro and Nano Letters</i> , 2018, 13, 1453-1456.	1.3	1
60	Bio-mediated synthesis and antibacterial activity against aquatic pathogens of silver nanoparticles decorated titania nanosheets in dark and under solar-light irradiation. <i>Materials Technology</i> , 2018, 33, 532-542.	3.0	7
61	Transformation from Ag@Ag <sub>3</sub> PO <sub>4</sub> to Ag@Ag <sub>2</sub> SO <sub>4</sub> hybrid at room temperature: preparation and its visible light photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	9
62	Synergetic Effect of Ti <sup>3+</sup> and Oxygen Doping on Enhancing Photoelectrochemical and Photocatalytic Properties of TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Heterojunctions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11577-11586.	8.0	253
63	Sb Nanoparticles Anchored on Nitrogen-Doped Amorphous Carbon-Coated Ultrathin CoS Nanosheets for Excellent Performance in Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44494-44502.	8.0	34
64	Z-Scheme NiTiO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Heterojunctions with Enhanced Photoelectrochemical and Photocatalytic Performances under Visible LED Light Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41120-41125.	8.0	130
65	Mercury detection based on label-free and isothermal enzyme-free amplified fluorescence platform. <i>Talanta</i> , 2017, 162, 368-373.	5.5	13
66	In Situ Synthesis of Ti <sup>3+</sup> Self-Doped TiO <sub>2</sub> /N-Doped Carbon Nanocomposites and its Visible Light Photocatalytic Performance. <i>Nano</i> , 2016, 11, 1650088.	1.0	4
67	Ultrasonic-assisted pyrolyzation fabrication of reduced SnO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunctions: Enhance photoelectrochemical and photocatalytic activity under visible LED light irradiation. <i>Nano Research</i> , 2016, 9, 1969-1982.	10.4	67
68	Conclusions and Future Perspectives. , 2016, , 379-385.		0
69	Recent progress in all-solid-state quantum dot-sensitized TiO <sub>2</sub> nanotube array solar cells. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	42
70	Influence of Ag@Au microstructure on the photoelectrocatalytic performance of TiO <sub>2</sub> nanotube array photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2016, 463, 308-316.	9.4	43
71	In-Situ-Reduced Synthesis of Ti <sup>3+</sup> Self-Doped TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Heterojunctions with High Photocatalytic Performance under LED Light Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9023-9030.	8.0	489
72	Celastrol-modified TiO <sub>2</sub> nanoparticles: effects of celastrol on the particle size and visible-light photocatalytic activity. <i>RSC Advances</i> , 2014, 4, 12098-12104.	3.6	19

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73	Fabrication of Ti <sup>3+</sup> self-doped TiO <sub>2</sub> (A) nanoparticle/TiO <sub>2</sub> (R) nanorod heterojunctions with enhanced visible-light-driven photocatalytic properties. RSC Advances, 2014, 4, 37061-37069.	3.6	45
74	Ti <sup>3+</sup> self-doped TiO <sub>2</sub> <sup>x</sup> anatase nanoparticles via oxidation of TiH <sub>2</sub> in H <sub>2</sub> O <sub>2</sub> . Catalysis Today, 2014, 225, 80-89.	4.4	107
75	Synthesis and Characterization of Fe <sup>10</sup> BO <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> and GdFeO <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> : Nanocomposites of Biofunctional Materials. ChemistryOpen, 2013, 2, 88-92.	1.9	13
76	Preparation and Characterization of Nanoporous TiO <sub>2</sub> International Journal of Photoenergy, 2012, 2012, 1-8.	2.5	0
77	Visible-light photocatalytic SiO <sub>2</sub> /TiO <sub>2</sub> <sup>x</sup> Cx/C nanoporous composites using TiCl <sub>4</sub> as the precursor for TiO <sub>2</sub> and polyhydroxyl tannin as the carbon source. Catalysis Science and Technology, 2012, 2, 390-399.	4.1	16
78	I <sub>2</sub> -Hydrocol-Seedeed Growth of (I <sub>2</sub> ) <sub>2</sub> In-C-Codoped Meso/Nanoporous TiO <sub>2</sub> for Visible Light-Driven Photocatalysis. Journal of Physical Chemistry C, 2010, 114, 9510-9517.	3.1	55
79	Visible-light-driven photocatalytic S- and C- codoped meso/nanoporous TiO <sub>2</sub> . Energy and Environmental Science, 2010, 3, 1128.	30.8	126