

# Jiangbin Su

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,546  
citations

377584

21  
h-index

355658

38  
g-index

61  
all docs

61  
docs citations

61  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ loading of Ag <sub>2</sub> S particle on Nb <sub>2</sub> O <sub>5</sub> sheets for synergistically enhanced photocatalytic decontamination of methylene blue. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 2125-2137.	1.1	9
2	Novel Z-scheme In <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> core-shell heterojunctions with synergistic enhanced photocatalytic degradation of tetracycline hydrochloride. <i>Journal of Cleaner Production</i> , 2022, 339, 130634.	4.6	124
3	Electron beam-induced athermal nanowelding of crossing SiO <sub>x</sub> amorphous nanowires. <i>RSC Advances</i> , 2022, 12, 6018-6024.	1.7	2
4	Novel scheme towards interfacial charge transfer between ZnIn <sub>2</sub> S <sub>4</sub> and BiOBr for efficient photocatalytic removal of organics and chromium (VI) from water. <i>Chemosphere</i> , 2022, 303, 134973.	4.2	53
5	Porous nanocrystalline WO <sub>3</sub> thin films: fabrication, electrical and optical properties. <i>Surface Innovations</i> , 2021, 9, 214-221.	1.4	8
6	Controllable fabrication and self-assembly of Cu nanostructures: the role of Cu <sup>2+</sup> complexes. <i>RSC Advances</i> , 2021, 11, 17715-17720.	1.7	2
7	Polyacrylamide gel synthesis and photocatalytic performance of CuCo <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Materials Letters</i> , 2021, 288, 129375.	1.3	46
8	Flexible welding of SiO <sub>x</sub> nanowire to macroporous carbon film and underlying new insights. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	3
9	Construction of multifunctional dual Z-scheme composites with enhanced photocatalytic activities for degradation of ciprofloxacin. <i>Fuel</i> , 2021, 294, 120399.	3.4	107
10	Fabrication of novel pyramid-textured and nanostructured Cu <sub>2</sub> O/Si heterojunctions. <i>Surface Innovations</i> , 2021, 9, 199-206.	1.4	6
11	Selective bias deposition of CuO thin film on unpolished Si wafer. <i>Materials Research Express</i> , 2020, 7, 026402.	0.8	3
12	Sustainable Solar-Light-Driven SrTiO <sub>3</sub> /PbBiO <sub>2</sub> Br Nanocomposites with Enhanced Photocatalytic Activity. <i>Journal of Electronic Materials</i> , 2020, 49, 3259-3268.	1.0	43
13	Fabrication and photocatalytic performance of Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> nanosphere by a polyacrylamide gel method. <i>Micro and Nano Letters</i> , 2020, 15, 499-502.	0.6	17
14	Optimal co-catalytic effect of NiFe <sub>2</sub> O <sub>4</sub> /ZnO nanocomposites toward enhanced photodegradation for dye MB. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 347-359.	1.4	18
15	One-Step Construction of Novel PbBiO <sub>2</sub> Br/ZnO Heterojunction Composites with Enhanced Photocatalytic Activity. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900406.	0.8	24
16	Fabrication of novel p-Ag <sub>2</sub> O/n-PbBiO <sub>2</sub> Br heterojunction photocatalysts with enhanced photocatalytic performance under visible-light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20870-20880.	1.1	25
17	Preparation and optical properties of Ni-doped PbBiO <sub>2</sub> Br nanoparticles. <i>Materials Research Express</i> , 2019, 6, 115042.	0.8	14
18	Cu <sub>2</sub> O porous nanostructured films fabricated by positive bias sputtering deposition. <i>Nanotechnology</i> , 2019, 30, 095702.	1.3	8

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19	One-step construction of novel Ag <sub>3</sub> PO <sub>4</sub> /PbBiO <sub>2</sub> Br composite with enhanced photocatalytic activity. <i>Materials Research Express</i> , 2019, 6, 085909.	0.8	15
20	Nanoinstabilities of Cu <sub>2</sub> O porous nanostructured films as driven by nanocurvature effect and thermal activation effect. <i>Nanotechnology</i> , 2019, 30, 335711.	1.3	6
21	Construction of novel Cu <sub>2</sub> O/PbBiO <sub>2</sub> Br composites with enhanced photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9843-9854.	1.1	45
22	Z-Scheme Charge Separation in Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> /SrTiO <sub>3</sub> Nanocomposites for Degradation of Methyl Orange. <i>Journal of Electronic Materials</i> , 2019, 48, 3890-3899.	1.0	27
23	Fabrication of magnetically separable NiFe <sub>2</sub> O <sub>4</sub> /Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> nanocomposites and excellent photocatalytic performance under visible light irradiation. <i>Optical Materials</i> , 2019, 88, 195-203.	1.7	102
24	Athermal coalescence of two parallel and contacting amorphous SiO <sub>x</sub> nanowires as induced by uniform e-beam irradiation. <i>Materials Letters</i> , 2019, 237, 286-289.	1.3	6
25	Polyacrylamide gel synthesis and photocatalytic performance of PbBiO <sub>2</sub> Br nanosheets. <i>Materials Letters</i> , 2019, 241, 64-67.	1.3	20
26	<i>In situ</i> TEM observation of preferential amorphization in single crystal Si nanowire. <i>Nanotechnology</i> , 2018, 29, 235703.	1.3	6
27	Coalescence between Au nanoparticles as induced by nanocurvature effect and electron beam athermal activation effect. <i>Nanoscale</i> , 2018, 10, 7978-7983.	2.8	14
28	Effective charge separation in BiOI/Cu <sub>2</sub> O composites with enhanced photocatalytic activity. <i>Materials Research Express</i> , 2018, 5, 025504.	0.8	39
29	Fabrication and photocatalytic property of magnetic SrTiO <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> heterojunction nanocomposites. <i>RSC Advances</i> , 2018, 8, 5441-5450.	1.7	75
30	Fabrication of magnetically separable NiFe <sub>2</sub> O <sub>4</sub> /BiOI nanocomposites with enhanced photocatalytic performance under visible-light irradiation. <i>RSC Advances</i> , 2018, 8, 4284-4294.	1.7	84
31	Metal passivation effect on focused beam-induced nonuniform structure changes of amorphous SiO <sub>x</sub> nanowire. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2336-2340.	2.8	2
32	Fabrication of n-SrTiO <sub>3</sub> /p-Cu <sub>2</sub> O heterojunction composites with enhanced photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2018, 753, 356-363.	2.8	93
33	Fabrication of novel AgBr/Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> composites with excellent photocatalytic performance. <i>RSC Advances</i> , 2018, 8, 39187-39196.	1.7	31
34	Fabrication of novel Cu <sub>2</sub> O/Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> composites and excellent photocatalytic performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19544-19553.	1.1	49
35	Fabrication of Novel n-SrTiO <sub>3</sub> /p-BiOI Heterojunction for Degradation of Crystal Violet Under Simulated Solar Light Irradiation. <i>Nano</i> , 2018, 13, 1850070.	0.5	28
36	Fabrication and Photocatalytic Property of Novel SrTiO <sub>3</sub> /Bi <sub>5</sub> O <sub>7</sub> I Nanocomposites. <i>Nanoscale Research Letters</i> , 2018, 13, 148.	3.1	52

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37	Enhanced photocatalytic performance of Z-scheme Cu <sub>2</sub> O/Bi <sub>5</sub> O <sub>7</sub> I nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15271-15281.	1.1	34
38	Fabrication of hand-like CuO nanostructured films by free oxidation of Cu <sub>2</sub> O nanoporous films in alkaline solution. <i>Materials Research Express</i> , 2017, 4, 045009.	0.8	3
39	Intriguing uniform elongation and accelerated radial shrinkage in an amorphous SiO <sub>x</sub> nanowire as purely induced by uniform electron beam irradiation. <i>RSC Advances</i> , 2017, 7, 45691-45696.	1.7	7
40	Uniform e-beam irradiation-induced athermal straightening of axially curved amorphous SiO <sub>x</sub> nanowires. <i>RSC Advances</i> , 2017, 7, 43047-43051.	1.7	7
41	Fabrication and photocatalytic property of magnetic NiFe <sub>2</sub> O <sub>4</sub> /Cu <sub>2</sub> O composites. <i>Materials Research Express</i> , 2017, 4, 095501.	0.8	43
42	Passivation Effect of Gold Nanoparticles on Uniform Beam-Induced Structural Changes of Amorphous SiO <sub>x</sub> Nanowire. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15977-15983.	1.5	4
43	Controllable fabrication of Cu <sub>2</sub> O porous nanostructured films by negative bias deposition method. <i>Chinese Science Bulletin</i> , 2017, 62, 3050-3056.	0.4	3
44	Atom Diffusion and Evaporation of Free-Ended Amorphous SiO <sub>x</sub> Nanowires: Nanocurvature Effect and Beam-Induced Athermal Activation Effect. <i>Nanoscale Research Letters</i> , 2016, 11, 514.	3.1	10
45	Fabrication and photocatalytic property of ZnO/Cu <sub>2</sub> O core-shell nanocomposites. <i>Materials Letters</i> , 2016, 184, 148-151.	1.3	113
46	Non-uniform shrinkage of multiple-walled carbon nanotubes under in situ electron beam irradiation. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	4
47	Parameter-dependent oxidation of physically sputtered Cu and the related fabrication of Cu-based semiconductor films with metallic resistivity. <i>Science China Materials</i> , 2016, 59, 144-150.	3.5	18
48	Microstructure-dependent oxidation-assisted dealloying of Cu <sub>0.7</sub> Al <sub>0.3</sub> thin films. <i>Russian Journal of Electrochemistry</i> , 2015, 51, 827-832.	0.3	6
49	Beam-Induced Nonuniform Shrinkage of Single-Walled Carbon Nanotube and Passivation Effect of Metal Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6239-6245.	1.5	10
50	Electrochromic WO <sub>3</sub> thin films prepared by combining ion-beam sputtering deposition with post-annealing. <i>Materials Letters</i> , 2015, 149, 127-129.	1.3	22
51	Fabrication of porous CuO nanoplate-films by oxidation-assisted dealloying method. <i>Surface and Coatings Technology</i> , 2014, 249, 19-23.	2.2	20
52	Intriguing surface-extruded plastic flow of SiO <sub>x</sub> amorphous nanowire as athermally induced by electron beam irradiation. <i>Nanoscale</i> , 2014, 6, 1499-1507.	2.8	23
53	Bias deposition of nanoporous Cu thin films. <i>Materials Letters</i> , 2013, 102-103, 72-75.	1.3	5
54	Layer-plus-wire growth of copper by small incident angle deposition. <i>Materials Letters</i> , 2013, 92, 304-307.	1.3	4

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55	Self-assembly of patterned copper films by small incident angle deposition. Chinese Science Bulletin, 2013, 58, 1764-1768.	0.4	0
56	Hydrogen Sensing Properties of WO <sub>3</sub> /Pd Composite Films. Advanced Materials Research, 2011, 287-290, 2343-2346.	0.3	1
57	Controllable surface modification of nanowires by focused-electron- beam-induced deposition of carbon. Chinese Science Bulletin, 2010, 55, 1288-1293.	0.4	2
58	Formation and Evolution of Cu Nanostructures on the Surface of Nanosized Cu Films under High Vacuum Annealing. Advanced Materials Research, 0, 361-363, 1582-1588.	0.3	0
59	Preparation of Cu Nanowires and Thermal Oxidation Behavior in Dry Oxygen. Surface Innovations, 0, , 1-8.	1.4	1