

Fujun Miao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/151902/publications.pdf>

Version: 2024-02-01

81
papers

7,312
citations

57758
44
h-index

60623
81
g-index

81
all docs

81
docs citations

81
times ranked

9443
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun Nanofibers of $\text{p-Type NiO/n-Type ZnO}$ Heterojunctions with Enhanced Photocatalytic Activity. ACS Applied Materials & Interfaces, 2010, 2, 2915-2923.	8.0	574
2	In situ assembly of well-dispersed Ag nanoparticles (AgNPs) on electrospun carbon nanofibers (CNFs) for catalytic reduction of 4-nitrophenol. Nanoscale, 2011, 3, 3357.	5.6	566
3	High Photocatalytic Activity of $\text{ZnO@Carbon Nanofiber}$ Heteroarchitectures. ACS Applied Materials & Interfaces, 2011, 3, 590-596.	8.0	415
4	Electrospun Nanofibers of ZnO@SnO_2 Heterojunction with High Photocatalytic Activity. Journal of Physical Chemistry C, 2010, 114, 7920-7925.	3.1	345
5	Highly dispersed Fe_3O_4 nanosheets on one-dimensional carbon nanofibers: Synthesis, formation mechanism, and electrochemical performance as supercapacitor electrode materials. Nanoscale, 2011, 3, 5034.	5.6	299
6	A Facile in Situ Hydrothermal Method to $\text{SrTiO}_3/\text{TiO}_2$ Nanofiber Heterostructures with High Photocatalytic Activity. Langmuir, 2011, 27, 2946-2952.	3.5	269
7	Tubular nanocomposite catalysts based on size-controlled and highly dispersed silver nanoparticles assembled on electrospun silicananotubes for catalytic reduction of 4-nitrophenol. Journal of Materials Chemistry, 2012, 22, 1387-1395.	6.7	251
8	One-dimensional $\text{Bi}_2\text{MoO}_6/\text{TiO}_2$ hierarchical heterostructures with enhanced photocatalytic activity. CrystEngComm, 2012, 14, 605-612.	2.6	228
9	Fabrication of Ag/TiO_2 nanoheterostructures with visible light photocatalytic function via a solvothermal approach. CrystEngComm, 2012, 14, 3989.	2.6	225
10	Flexible solid-state supercapacitors based on freestanding nitrogen-doped porous carbon nanofibers derived from electrospun polyacrylonitrile@polyaniline nanofibers. Journal of Materials Chemistry A, 2016, 4, 4180-4187.	10.3	203
11	Hierarchical heterostructures of Bi_2MoO_6 on carbon nanofibers: controllable solvothermal fabrication and enhanced visible photocatalytic properties. Journal of Materials Chemistry, 2012, 22, 577-584.	6.7	196
12	$\text{p-MoO}_3/\text{n-TiO}_2$ Nanostructures/Nanofiber Heterojunctions: Controlled Fabrication and Enhanced Photocatalytic Properties. ACS Applied Materials & Interfaces, 2014, 6, 9004-9012.	8.0	148
13	Core/shell nanofibers of TiO_2 @carbon embedded by Ag nanoparticles with enhanced visible photocatalytic activity. Journal of Materials Chemistry, 2011, 21, 17746.	6.7	143
14	Bi_2MoO_6 microtubes: Controlled fabrication by using electrospun polyacrylonitrile microfibers as template and their enhanced visible light photocatalytic activity. Journal of Hazardous Materials, 2012, 225-226, 155-163.	12.4	130
15	Polyaniline-coated electrospun carbon nanofibers with high mass loading and enhanced capacitive performance as freestanding electrodes for flexible solid-state supercapacitors. Energy, 2016, 95, 233-241.	8.8	122
16	Polyacrylonitrile and Carbon Nanofibers with Controllable Nanoporous Structures by Electrospinning. Macromolecular Materials and Engineering, 2009, 294, 673-678.	3.6	119
17	Three dimensional hierarchical heterostructures of $\text{g-C}_3\text{N}_4$ nanosheets/ TiO_2 nanofibers: Controllable growth via gas-solid reaction and enhanced photocatalytic activity under visible light. Journal of Hazardous Materials, 2018, 344, 113-122.	12.4	116
18	$\text{Bi}_4\text{Ti}_3\text{O}_{12}$ nanosheets/ TiO_2 submicron fibers heterostructures: in situ fabrication and high visible light photocatalytic activity. Journal of Materials Chemistry, 2011, 21, 6922.	6.7	113

#	ARTICLE	IF	CITATIONS
19	In situ assembly of well-dispersed Au nanoparticles on TiO ₂ /ZnO nanofibers: A three-way synergistic heterostructure with enhanced photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 331-338.	12.4	113
20	Hydrothermal synthesis of carbon-rich graphitic carbon nitride nanosheets for photoredox catalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3281-3284.	10.3	113
21	One-dimensional hierarchical heterostructures of In ₂ S ₃ nanosheets on electrospun TiO ₂ nanofibers with enhanced visible photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2013, 260, 892-900.	12.4	103
22	Bi ₂ MoO ₆ /BiFeO ₃ heterojunction nanofibers: Enhanced photocatalytic activity, charge separation mechanism and magnetic separability. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 404-414.	9.4	99
23	Three-dimensional freestanding hierarchically porous carbon materials as binder-free electrodes for supercapacitors: high capacitive property and long-term cycling stability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5623-5631.	10.3	89
24	Tin oxide (SnO ₂) nanoparticles/electrospun carbon nanofibers (CNFs) heterostructures: Controlled fabrication and high capacitive behavior. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 706-712.	9.4	88
25	TiO ₂ /SrTiO ₃ /g-C ₃ N ₄ ternary heterojunction nanofibers: gradient energy band, cascade charge transfer, enhanced photocatalytic hydrogen evolution, and nitrogen fixation. <i>Nanoscale</i> , 2020, 12, 8320-8329.	5.6	88
26	Electrospinning of magnetical bismuth ferrite nanofibers with photocatalytic activity. <i>Ceramics International</i> , 2013, 39, 3511-3518.	4.8	83
27	Composition-controllable p-CuO/n-ZnO hollow nanofibers for high-performance H ₂ S detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 495-503.	7.8	82
28	CuO/Cu ₂ O nanofibers as electrode materials for non-enzymatic glucose sensors with improved sensitivity. <i>RSC Advances</i> , 2014, 4, 31056.	3.6	79
29	Construction of In ₂ O ₃ /ZnO yolk-shell nanofibers for room-temperature NO ₂ detection under UV illumination. <i>Journal of Hazardous Materials</i> , 2021, 403, 124093.	12.4	75
30	In ₂ O ₃ nanocubes/carbon nanofibers heterostructures with high visible light photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2012, 22, 1786-1793.	6.7	72
31	Direct Z-scheme heterostructure of p-CuAl ₂ O ₄ /n-Bi ₂ WO ₆ composite nanofibers for efficient overall water splitting and photodegradation. <i>Journal of Colloid and Interface Science</i> , 2019, 550, 170-179.	9.4	71
32	BiOCl nanosheets immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic activity and reusable property. <i>Applied Surface Science</i> , 2013, 285, 509-516.	6.1	70
33	Hierarchical heterostructures of p-type BiOCl nanosheets on electrospun n-type TiO ₂ nanofibers with enhanced photocatalytic activity. <i>Catalysis Communications</i> , 2015, 67, 6-10.	3.3	70
34	3D MoS ₂ nanosheet/TiO ₂ nanofiber heterostructures with enhanced photocatalytic activity under UV irradiation. <i>Journal of Alloys and Compounds</i> , 2016, 686, 137-144.	5.5	69
35	Hollow CuFe ₂ O ₄ /Fe ₂ O ₃ composite with ultrathin porous shell for acetone detection at ppb levels. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 436-446.	7.8	61
36	Discrete heterojunction nanofibers of BiFeO ₃ /Bi ₂ WO ₆ : Novel architecture for effective charge separation and enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 257-268.	9.4	60

#	ARTICLE	IF	CITATIONS
37	Sn-doping induced oxygen vacancies on the surface of the In ₂ O ₃ nanofibers and their promoting effect on sensitive NO ₂ detection at low temperature. <i>Sensors and Actuators B: Chemical</i> , 2020, 317, 128194.	7.8	60
38	Assembling n-Bi ₂ MoO ₆ Nanosheets on Electrospun p-CuAl ₂ O ₄ Hollow Nanofibers: Enhanced Photocatalytic Activity Based on Highly Efficient Charge Separation and Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10714-10723.	6.7	59
39	Reusable and Flexible g-C ₃ N ₄ /Ag ₃ PO ₄ /Polyacrylonitrile Heterojunction Nanofibers for Photocatalytic Dye Degradation and Oxygen Evolution. <i>ACS Applied Nano Materials</i> , 2019, 2, 3081-3090.	5.0	58
40	Dandelion-like Fe ₃ O ₄ @CuTNPc hierarchical nanostructures as a magnetically separable visible-light photocatalyst. <i>Journal of Materials Chemistry</i> , 2011, 21, 12083.	6.7	54
41	Magnetically separable Bi ₂ MoO ₆ /ZnFe ₂ O ₄ heterostructure nanofibers: Controllable synthesis and enhanced visible light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018, 747, 916-925.	5.5	50
42	Flexible solid-state supercapacitors based on freestanding electrodes of electrospun polyacrylonitrile@polyaniline core-shell nanofibers. <i>Electrochimica Acta</i> , 2015, 176, 293-300.	5.2	46
43	Octahedral-Like CuO/In ₂ O ₃ Mesocages with Double-Shell Architectures: Rational Preparation and Application in Hydrogen Sulfide Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44632-44640.	8.0	46
44	Graphitic carbon nitride/BiOI loaded on electrospun silica nanofibers with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2018, 455, 952-962.	6.1	46
45	TiO ₂ nanoparticles immobilized on polyacrylonitrile nanofibers mats: a flexible and recyclable photocatalyst for phenol degradation. <i>RSC Advances</i> , 2013, 3, 7503.	3.6	44
46	Freestanding hierarchically porous carbon framework decorated by polyaniline as binder-free electrodes for high performance supercapacitors. <i>Journal of Power Sources</i> , 2016, 329, 516-524.	7.8	44
47	In ₂ S ₃ /carbon nanofibers/Au ternary synergetic system: Hierarchical assembly and enhanced visible-light photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2015, 283, 599-607.	12.4	43
48	Controllable fabrication of cadmium phthalocyanine nanostructures immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic properties under visible light. <i>Catalysis Communications</i> , 2011, 12, 880-885.	3.3	42
49	Hierarchical heterostructures of p-type bismuth oxychloride nanosheets on n-type zinc ferrite electrospun nanofibers with enhanced visible-light photocatalytic activities and magnetic separation properties. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 110-120.	9.4	42
50	Highly electron-depleted ZnO/ZnFe ₂ O ₄ /Au hollow meshes as an advanced material for gas sensing application. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126769.	7.8	42
51	Bismuth oxychloride (BiOCl)/copper phthalocyanine (CuTNPc) heterostructures immobilized on electrospun polyacrylonitrile nanofibers with enhanced activity for floating photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 187-195.	9.4	40
52	ZnO/ZnFe ₂ O ₄ Janus Hollow Nanofibers with Magnetic Separability for Photocatalytic Degradation of Water-Soluble Organic Dyes. <i>ACS Applied Nano Materials</i> , 2019, 2, 4879-4890.	5.0	38
53	Nitrogen doping polyvinylpyrrolidone-based carbon nanofibers via pyrolysis of g-C ₃ N ₄ with tunable chemical states and capacitive energy storage. <i>Electrochimica Acta</i> , 2020, 330, 135212.	5.2	38
54	Heterojunctions of p-BiOI Nanosheets/n-TiO ₂ Nanofibers: Preparation and Enhanced Visible-Light Photocatalytic Activity. <i>Materials</i> , 2016, 9, 90.	2.9	35

#	ARTICLE	IF	CITATIONS
55	Immobilization of ZnO/polyaniline heterojunction on electrospun polyacrylonitrile nanofibers and enhanced photocatalytic activity. <i>Materials Chemistry and Physics</i> , 2018, 214, 507-515.	4.0	35
56	MoSe ₂ /TiO ₂ Nanofibers for Cycling Photocatalytic Removing Water Pollutants under UV-Vis-NIR Light. <i>ACS Applied Nano Materials</i> , 2020, 3, 2278-2287.	5.0	35
57	Bi ₂ WO ₆ /ZnFe ₂ O ₄ heterostructures nanofibers: Enhanced visible-light photocatalytic activity and magnetically separable property. <i>Materials Research Bulletin</i> , 2018, 104, 124-133.	5.2	34
58	Fabrication of g-C ₃ N ₄ /SiO ₂ -Au composite nanofibers with enhanced visible photocatalytic activity. <i>Ceramics International</i> , 2017, 43, 15699-15707.	4.8	34
59	Solvothermal synthesis and electrochemical properties of 3D flower-like iron phthalocyanine hierarchical nanostructure. <i>Nanoscale</i> , 2011, 3, 5126.	5.6	30
60	A self-floating electrospun nanofiber mat for continuously high-efficiency solar desalination. <i>Chemosphere</i> , 2021, 280, 130719.	8.2	29
61	Three-dimensional hierarchical CeO ₂ nanowalls/TiO ₂ nanofibers heterostructure and its high photocatalytic performance. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 55, 105-110.	2.4	28
62	Molybdenum diselenide nanosheet/carbon nanofiber heterojunctions: Controllable fabrication and enhanced photocatalytic properties with a broad-spectrum response from visible to infrared light. <i>Journal of Colloid and Interface Science</i> , 2018, 518, 1-10.	9.4	28
63	Three-dimensional porous CuFe ₂ O ₄ for visible-light-driven peroxymonosulfate activation with superior performance for the degradation of tetracycline hydrochloride. <i>Chemical Engineering Journal</i> , 2022, 445, 136616.	12.7	27
64	Highly permeable WO ₃ /CuWO ₄ heterostructure with 3D hierarchical porous structure for high-sensitive room-temperature visible-light driven gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2022, 365, 131926.	7.8	26
65	Hierarchically Porous In ₂ O ₃ /In ₂ S ₃ Heterostructures as Micronano Photocatalytic Reactors Prepared by a Novel Polymer-Assisted Sol-Gel Freeze-Drying Method. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14106-14114.	3.7	25
66	Integrated structural design of polyaniline-modified nitrogen-doped hierarchical porous carbon nanofibers as binder-free electrodes toward all-solid-state flexible supercapacitors. <i>Applied Surface Science</i> , 2020, 501, 144001.	6.1	25
67	Flexible All-Inorganic Room-Temperature Chemiresistors Based on Fibrous Ceramic Substrate and Visible-Light-Powered Semiconductor Sensing Layer. <i>Advanced Science</i> , 2021, 8, e2102471.	11.2	21
68	Bismuth oxychloride/carbon nanofiber heterostructures for the degradation of 4-nitrophenol. <i>CrystEngComm</i> , 2015, 17, 7276-7282.	2.6	20
69	Immobilization of ultrafine Ag nanoparticles on well-designed hierarchically porous silica for high-performance catalysis. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 345-352.	9.4	19
70	Electrospun CuAl ₂ O ₄ hollow nanofibers as visible light photocatalyst with enhanced activity and excellent stability under acid and alkali conditions. <i>CrystEngComm</i> , 2018, 20, 312-322.	2.6	18
71	Enhanced Full-Spectrum-Response Photocatalysis and Reusability of MoSe ₂ via Hierarchical N-Doped Carbon Nanofibers as Heterostructural Supports. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14314-14322.	6.7	16
72	One-dimensional heterostructures of beta-nickel hydroxide nanoplates/electrospun carbon nanofibers: Controlled fabrication and high capacitive property. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16162-16170.	7.1	14

#	ARTICLE	IF	CITATIONS
73	Anchoring bismuth oxybromo-iodide solid solutions on flexible electrospun polyacrylonitrile nanofiber mats for floating photocatalysis. Journal of Colloid and Interface Science, 2022, 608, 3178-3191.	9.4	13
74	Controllable synthesis and enhanced visible photocatalytic degradation performances of Bi ₂ WO ₆ “carbon nanofibers heteroarchitectures. Journal of Sol-Gel Science and Technology, 2014, 70, 149-158.	2.4	12
75	Room temperature immobilized BiOI nanosheets on flexible electrospun polyacrylonitrile nanofibers with high visible-light photocatalytic activity. Journal of Sol-Gel Science and Technology, 2016, 80, 783-792.	2.4	12
76	Facile preparation of flexible polyacrylonitrile/BiOCl/BiOI nanofibers via SILAR method for effective floating photocatalysis. Journal of Sol-Gel Science and Technology, 2021, 97, 610-621.	2.4	12
77	A Pore-Forming Strategy Toward Porous Carbon-Based Substrates for High Performance Flexible Lithium Metal Full Batteries. Energy and Environmental Materials, 2023, 6, .	12.8	8
78	Oxidation of phthalate acid esters using hydrogen peroxide and polyoxometalate/graphene hybrids. Journal of Hazardous Materials, 2022, 422, 126867.	12.4	7
79	Combination effects of ellagic acid with erlotinib in a Ba/ F3 cell line expressing EGFR H773_V774 insH mutation. Thoracic Cancer, 2020, 11, 2101-2111.	1.9	5
80	Controllable preparation of three-dimensional porous WO ₃ with enhanced visible light photocatalytic activity via a freeze-drying method. Journal of Materials Science: Materials in Electronics, 2018, 29, 9605-9612.	2.2	4
81	<sc>Hetero- Janus</sc> Nanofibers as an Ideal Framework for Promoting Water-pollutant Photoreforming Hydrogen Evolution. Energy and Environmental Materials, 2023, 6, .	12.8	1