Changlu Shao

List of Publications by Year
in descending order

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44 papers	4,678 citations	126858 33 h-index	243529 44 g-index
44 all docs	44 docs citations	44 times ranked	6457 citing authors

#	Article	IF	Citations
1	Electrospun Nanofibers of p-Type NiO/n-Type ZnO Heterojunctions with Enhanced Photocatalytic Activity. ACS Applied Materials & Interfaces, 2010, 2, 2915-2923.	4.0	574
2	High Photocatalytic Activity of ZnOâ^'Carbon Nanofiber Heteroarchitectures. ACS Applied Materials & Interfaces, 2011, 3, 590-596.	4.0	415
3	Electrospun Nanofibers of ZnOâ^'SnO₂ Heterojunction with High Photocatalytic Activity. Journal of Physical Chemistry C, 2010, 114, 7920-7925.	1.5	345
4	Hierarchical assembly of ultrathin hexagonal SnS₂nanosheets onto electrospun TiO₂nanofibers: enhanced photocatalytic activity based on photoinduced interfacial charge transfer. Nanoscale, 2013, 5, 606-618.	2.8	344
5	Facile in situ synthesis of plasmonic nanoparticles-decorated g-C₃N₄/TiO₂heterojunction nanofibers and comparison study of their photosynergistic effects for efficient photocatalytic H₂evolution. Nanoscale, 2016, 8, 11034-11043.	2.8	204
6	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.	5.2	203
7	Hierarchical heterostructures of Bi2MoO6 on carbon nanofibers: controllable solvothermal fabrication and enhanced visible photocatalytic properties. Journal of Materials Chemistry, 2012, 22, 577-584.	6.7	196
8	Hierarchical Nanostructures of Copper(II) Phthalocyanine on Electrospun TiO₂ Nanofibers: Controllable Solvothermal-Fabrication and Enhanced Visible Photocatalytic Properties. ACS Applied Materials & Interfaces, 2011, 3, 369-377.	4.0	194
9	TiO2@carbon core/shell nanofibers: Controllable preparation and enhanced visible photocatalytic properties. Nanoscale, 2011, 3, 2943.	2.8	187
10	p-MoO₃ Nanostructures/n-TiO₂ Nanofiber Heterojunctions: Controlled Fabrication and Enhanced Photocatalytic Properties. ACS Applied Materials & Interfaces, 2014, 6, 9004-9012.	4.0	148
11	Heterojunction of g-C3N4/BiOI Immobilized on Flexible Electrospun Polyacrylonitrile Nanofibers: Facile Preparation and Enhanced Visible Photocatalytic Activity for Floating Photocatalysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 2316-2323.	3.2	132
12	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.	4.5	122
13	Three dimensional hierarchical heterostructures of g-C3N4 nanosheets/TiO2 nanofibers: Controllable growth via gas-solid reaction and enhanced photocatalytic activity under visible light. Journal of Hazardous Materials, 2018, 344, 113-122.	6.5	116
14	One-dimensional hierarchical heterostructures of In2S3 nanosheets on electrospun TiO2 nanofibers with enhanced visible photocatalytic activity. Journal of Hazardous Materials, 2013, 260, 892-900.	6.5	103
15	Bi2MoO6/BiFeO3 heterojunction nanofibers: Enhanced photocatalytic activity, charge separation mechanism and magnetic separability. Journal of Colloid and Interface Science, 2018, 529, 404-414.	5.0	99
16	Electrospun Carbon Nanofibers/Carbon Nanotubes/Polyaniline Ternary Composites with Enhanced Electrochemical Performance for Flexible Solid-State Supercapacitors. ACS Sustainable Chemistry and Engineering, 2016, 4, 1689-1696.	3.2	90
17	Three-dimensional freestanding hierarchically porous carbon materials as binder-free electrodes for supercapacitors: high capacitive property and long-term cycling stability. Journal of Materials Chemistry A, 2016, 4, 5623-5631.	5.2	89
18	TiO₂/SrTiO₃/g-C₃N₄ ternary heterojunction nanofibers: gradient energy band, cascade charge transfer, enhanced photocatalytic hydrogen evolution, and nitrogen fixation. Nanoscale, 2020, 12, 8320-8329.	2.8	88

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19	Bi2MoO6 ultrathin nanosheets on ZnTiO3 nanofibers: A 3D open hierarchical heterostructures synergistic system with enhanced visible-light-driven photocatalytic activity. Journal of Hazardous Materials, 2012, 217-218, 422-428.	6.5	86
20	CuO/Cu₂O nanofibers as electrode materials for non-enzymatic glucose sensors with improved sensitivity. RSC Advances, 2014, 4, 31056.	1.7	79
21	Construction of In2O3/ZnO yolk-shell nanofibers for room-temperature NO2 detection under UV illumination. Journal of Hazardous Materials, 2021, 403, 124093.	6.5	75
22	BiOCl nanosheets immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic activity and reusable property. Applied Surface Science, 2013, 285, 509-516.	3.1	70
23	Hierarchical heterostructures of p-type BiOCl nanosheets on electrospun n-type TiO2 nanofibers with enhanced photocatalytic activity. Catalysis Communications, 2015, 67, 6-10.	1.6	70
24	Discrete heterojunction nanofibers of BiFeO3/Bi2WO6: Novel architecture for effective charge separation and enhanced photocatalytic performance. Journal of Colloid and Interface Science, 2020, 572, 257-268.	5.0	60
25	Assembling n-Bi₂MoO₆ Nanosheets on Electrospun p-CuAl₂O₄ Hollow Nanofibers: Enhanced Photocatalytic Activity Based on Highly Efficient Charge Separation and Transfer. ACS Sustainable Chemistry and Engineering, 2018, 6, 10714-10723.	3.2	59
26	Reusable and Flexible g-C₃N₄/Ag₃PO₄/Polyacrylonitrile Heterojunction Nanofibers for Photocatalytic Dye Degradation and Oxygen Evolution. ACS Applied Nano Materials, 2019, 2, 3081-3090.	2.4	58
27	Freestanding hierarchically porous carbon framework decorated by polyaniline as binder-free electrodes for high performance supercapacitors. Journal of Power Sources, 2016, 329, 516-524.	4.0	44
28	In2S3/carbon nanofibers/Au ternary synergetic system: Hierarchical assembly and enhanced visible-light photocatalytic activity. Journal of Hazardous Materials, 2015, 283, 599-607.	6.5	43
29	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. Journal of Colloid and Interface Science, 2018, 516, 110-120.	5.0	42
30	A facile fabrication of nitrogen-doped electrospun In 2 O 3 nanofibers with improved visible-light photocatalytic activity. Applied Surface Science, 2017, 391, 668-676.	3.1	40
31	Bismuth oxychloride (BiOCl)/copper phthalocyanine (CuTNPc) heterostructures immobilized on electrospun polyacrylonitrile nanofibers with enhanced activity for floating photocatalysis. Journal of Colloid and Interface Science, 2018, 525, 187-195.	5.0	40
32	ZnO/ZnFe₂O₄ Janus Hollow Nanofibers with Magnetic Separability for Photocatalytic Degradation of Water-Soluble Organic Dyes. ACS Applied Nano Materials, 2019, 2, 4879-4890.	2.4	38
33	Heterojunctions of p-BiOI Nanosheets/n-TiO2 Nanofibers: Preparation and Enhanced Visible-Light Photocatalytic Activity. Materials, 2016, 9, 90.	1.3	35
34	MoSe₂/TiO₂ Nanofibers for Cycling Photocatalytic Removing Water Pollutants under UVâ€“Visâ€“NIR Light. ACS Applied Nano Materials, 2020, 3, 2278-2287.	2.4	35
35	Molybdenum diselenide nanosheet/carbon nanofiber heterojunctions: Controllable fabrication and enhanced photocatalytic properties with a broad-spectrum response from visible to infrared light. Journal of Colloid and Interface Science, 2018, 518, 1-10.	5.0	28
36	Hierarchically Porous In2O3/In2S3 Heterostructures as Micronano Photocatalytic Reactors Prepared by a Novel Polymer-Assisted Solâ€“Gel Freeze-Drying Method. Industrial & Engineering Chemistry Research, 2019, 58, 14106-14114.	1.8	25

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37	Controlled synthesis of PAN/Ag2S composites nanofibers via electrospinning-assisted hydro(solvo)thermal method. Journal of Non-Crystalline Solids, 2011, 357, 1488-1493.	1.5	20
38	Electrospun CuAl₂O₄ hollow nanofibers as visible light photocatalyst with enhanced activity and excellent stability under acid and alkali conditions. CrystEngComm, 2018, 20, 312-322.	1.3	18
39	Enhanced Full-Spectrum-Response Photocatalysis and Reusability of MoSe₂ via Hierarchical N-Doped Carbon Nanofibers as Heterostructural Supports. ACS Sustainable Chemistry and Engineering, 2018, 6, 14314-14322.	3.2	16
40	Ternary NiTiO₃@g-C₃N₄â€“Au nanofibers with a synergistic Z-scheme core@shell interface and dispersive Schottky contact surface for enhanced solar photocatalytic activity. Materials Chemistry Frontiers, 2021, 5, 2730-2741.	3.2	14
41	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.	5.0	13
42	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.	1.1	12
43	A Poreâ€Forming Strategy Toward Porous Carbonâ€Based Substrates for High Performance Flexible Lithium Metal Full Batteries. Energy and Environmental Materials, 2023, 6, .	7.3	8
44	<scp>Heteroâ€Janus</scp> Nanofibers as an Ideal Framework for Promoting Waterâ€pollutant Photoreforming Hydrogen Evolution. Energy and Environmental Materials, 2023, 6, .	7.3	1