Yue-E Miao

List of Publications by Citations

93 papers	4,830 citations	41 h-index	68 g-index
97 ext. papers	5,572 ext. citations	8.2 avg, IF	5.9 L-index

#	Paper	IF	Citations
93	Electrospun polyimide nanofiber-based nonwoven separators for lithium-ion batteries. *Journal of Power Sources*, **2013**, 226, 82-86	8.9	316
92	Biomass-Derived Nitrogen-Doped Carbon Nanofiber Network: A Facile Template for Decoration of Ultrathin Nickel-Cobalt Layered Double Hydroxide Nanosheets as High-Performance Asymmetric Supercapacitor Electrode. *Small*, **2016**, 12, 3235-44	11	312
91	High-performance supercapacitors based on hollow polyaniline nanofibers by electrospinning. *ACS Applied Materials & Interfaces*, **2013**, 5, 4423-8	9.5	212
90	Polydopamine-coated electrospun poly(vinyl alcohol)/poly(acrylic acid) membranes as efficient dye adsorbent with good recyclability. *Journal of Hazardous Materials*, **2015**, 283, 730-9	12.8	180
89	Hierarchical composites of polyaniline-graphene nanoribbons-carbon nanotubes as electrode materials in all-solid-state supercapacitors. *Nanoscale*, **2013**, 5, 7312-20	7.7	161
88	Electrospun porous carbon nanofiber@MoS2 core/sheath fiber membranes as highly flexible and binder-free anodes for lithium-ion batteries. *Nanoscale*, **2015**, 7, 11093-101	7.7	155
87	Electrospun carbon nanofibers decorated with Ag-Pt bimetallic nanoparticles for selective detection of dopamine. *ACS Applied Materials & Interfaces*, **2014**, 6, 12449-56	9.5	145
86	A CNT@MoSe2 hybrid catalyst for efficient and stable hydrogen evolution. *Nanoscale*, **2015**, 7, 18595-602	7.7	140
85	Flexible Hybrid Membranes with Ni(OH)2 Nanoplatelets Vertically Grown on Electrospun Carbon Nanofibers for High-Performance Supercapacitors. *ACS Applied Materials & Interfaces*, **2015**, 7, 22669-77	9.5	132
84	Synthesis of few-layered MoS□hanosheet-coated electrospun SnO□hanotube heterostructures for enhanced hydrogen evolution reaction. *Nanoscale*, **2014**, 6, 10673-9	7.7	132
83	Polymer/Carbon-Based Hybrid Aerogels: Preparation, Properties and Applications. *Materials*, **2015**, 8, 6806-6848	3.5	120
82	Ni-doped graphene/carbon cryogels and their applications as versatile sorbents for water purification. *ACS Applied Materials & Interfaces*, **2013**, 5, 7584-91	9.5	111
81	A novel hydrogen peroxide sensor based on Ag/SnO2 composite nanotubes by electrospinning. *Electrochimica Acta*, **2013**, 99, 117-123	6.7	109
80	Hierarchical ZnCo2 O4 @NiCo2 O4 Core-Sheath Nanowires: Bifunctionality towards High-Performance Supercapacitors and the Oxygen-Reduction Reaction. *Chemistry - A European Journal*, **2015**, 21, 10100-8	4.8	107
79	Electrospun self-standing membrane of hierarchical SiO2@□AlOOH (boehmite) core/sheath fibers for water remediation. *ACS Applied Materials & Interfaces*, **2012**, 4, 5353-9	9.5	92
78	Nitrogen-Doped Carbon Nanofiber/Molybdenum Disulfide Nanocomposites Derived from Bacterial Cellulose for High-Efficiency Electrocatalytic Hydrogen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2016**, 8, 3558-66	9.5	90
77	Controllable preparation of multi-dimensional hybrid materials of nickel-cobalt layered double hydroxide nanorods/nanosheets on electrospun carbon nanofibers for high-performance supercapacitors. *Electrochimica Acta*, **2015**, 174, 456-463	6.7	90

76	Perpendicularly oriented few-layer MoSe2 on SnO2 nanotubes for efficient hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2015**, 3, 16263-16271	13	87
75	Morphology and photocatalytic property of hierarchical polyimide/ZnO fibers prepared via a direct ion-exchange process. *ACS Applied Materials & Interfaces*, **2013**, 5, 5617-22	9.5	83
74	Electrically conductive polyaniline/polyimide nanofiber membranes prepared via a combination of electrospinning and subsequent in situ polymerization growth. *ACS Applied Materials & Interfaces*, **2013**, 5, 1206-12	9.5	82
73	Sulfur-Deficient Bismuth Sulfide/Nitrogen-Doped Carbon Nanofibers as Advanced Free-Standing Electrode for Asymmetric Supercapacitors. *Small*, **2018**, 14, e1801562	11	77
72	Plasmonic liquid marbles: a miniature substrate-less SERS platform for quantitative and multiplex ultratrace molecular detection. *Angewandte Chemie - International Edition*, **2014**, 53, 5054-8	16.4	71
71	Anisotropic conductive films based on highly aligned polyimide fibers containing hybrid materials of graphene nanoribbons and carbon nanotubes. *Nanoscale*, **2015**, 7, 1037-46	7.7	64
70	Polydopamine-derived porous carbon fiber/cobalt composites for efficient oxygen reduction reactions. *Journal of Materials Chemistry A*, **2015**, 3, 23299-23306	13	60
69	Flexible free-standing 3D porous N-doped graphene□carbon nanotube hybrid paper for high-performance supercapacitors. *RSC Advances*, **2015**, 5, 9228-9236	3.7	60
68	Catalytic liquid marbles: Ag nanowire-based miniature reactors for highly efficient degradation of methylene blue. *Chemical Communications*, **2014**, 50, 5923-6	5.8	58
67	Electrospun fibers of layered double hydroxide/biopolymer nanocomposites as effective drug delivery systems. *Materials Chemistry and Physics*, **2012**, 134, 623-630	4.4	57
66	Flexible Hybrid Membranes of NiCo2O4-Doped Carbon [email□protected]2 Core□Sheath Nanostructures for High-Performance Supercapacitors. *Journal of Physical Chemistry C*, **2015**, 119, 13442-13450	3.8	57
65	Electrospun nanofiber-supported carbon aerogel as a versatile platform toward asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 15861-15869	13	54
64	Electrospun fibrous membranes for efficient heavy metal removal. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	53
63	Flexible polyaniline-coated TiO□/SiO□ nanofiber membranes with enhanced visible-light photocatalytic degradation performance. *Journal of Colloid and Interface Science*, **2014**, 424, 49-55	9.3	53
62	Catalytic and antibacterial activities of green-synthesized silver nanoparticles on electrospun polystyrene nanofiber membranes using tea polyphenols. *Composites Part B: Engineering*, **2015**, 79, 217-223	10	52
61	□tube brush□like ZnO/SiO2 hybrid to construct a flexible membrane with enhanced photocatalytic properties and recycling ability. *Journal of Materials Chemistry*, **2011**, 21, 19375		51
60	Electrospun polymer nanofiber membrane electrodes and an electrolyte for highly flexible and foldable all-solid-state supercapacitors. *RSC Advances*, **2015**, 5, 26189-26196	3.7	49
59	Bionanofiber Assisted Decoration of Few-Layered MoSe Nanosheets on 3D Conductive Networks for Efficient Hydrogen Evolution. *Small*, **2017**, 13, 1602866	11	48

58	Bioinspired Micro/Nanofluidic Ion Transport Channels for Organic Cathodes in High-Rate and Ultrastable Lithium/Sodium-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1804629	15.6	47
57	Plasmonic Liquid Marbles: A Miniature Substrate-less SERS Platform for Quantitative and Multiplex Ultratrace Molecular Detection. *Angewandte Chemie*, **2014**, 126, 5154-5158	3.6	45
56	Confined growth of uniformly dispersed NiCo2S4 nanoparticles on nitrogen-doped carbon nanofibers for high-performance asymmetric supercapacitors. *Chemical Engineering Journal*, **2017**, 328, 599-608	14.7	44
55	Tracking Airborne Molecules from Afar: Three-Dimensional Metal-Organic Framework-Surface-Enhanced Raman Scattering Platform for Stand-Off and Real-Time Atmospheric Monitoring. *ACS Nano*, **2019**, 13, 12090-12099	16.7	43
54	In situ extracted poly(acrylic acid) contributing to electrospun nanofiber separators with precisely tuned pore structures for ultra-stable lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2019**, 7, 3253-3263	13	43
53	Nonenzymatic sensor for glucose based on a glassy carbon electrode modified with Ni(OH)2 nanoparticles grown on a film of molybdenum sulfide. *Mikrochimica Acta*, **2013**, 180, 1127-1134	5.8	41
52	Carbon Aerogels Derived from Bacterial Cellulose/Polyimide Composites as Versatile Adsorbents and Supercapacitor Electrodes. *ChemNanoMat*, **2016**, 2, 212-219	3.5	41
51	Electrospun nickel-decorated carbon nanofiber membranes as efficient electrocatalysts for hydrogen evolution reaction. *Electrochimica Acta*, **2015**, 159, 1-7	6.7	40
50	Engineering a nanotubular mesoporous cobalt phosphide electrocatalyst by the Kirkendall effect towards highly efficient hydrogen evolution reactions. *Nanoscale*, **2017**, 9, 16313-16320	7.7	39
49	Filter paper-derived carbon fiber/polyaniline composite paper for high energy storage applications. *Composites Science and Technology*, **2014**, 101, 152-158	8.6	37
48	High-performance flexible supercapacitors based on mesoporous carbon nanofibers/Co3O4/MnO2 hybrid electrodes. *RSC Advances*, **2015**, 5, 18952-18959	3.7	36
47	Energy level engineering in transition-metal doped spinel-structured nanosheets for efficient overall water splitting. *Journal of Materials Chemistry A*, **2019**, 7, 827-833	13	36
46	Porous graphene–carbon nanotube hybrid paper as a flexible nano-scaffold for polyaniline immobilization and application in all-solid-state supercapacitors. *RSC Advances*, **2015**, 5, 31064-31073	3.7	35
45	Ion-Selective Polyamide Acid Nanofiber Separators for High-Rate and Stable Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 42198-42206	9.5	34
44	Oxygen vacancy engineering in spinel-structured nanosheet wrapped hollow polyhedra for electrochemical nitrogen fixation under ambient conditions. *Journal of Materials Chemistry A*, **2020**, 8, 1652-1659	13	33
43	Elastic Carbon Aerogels Reconstructed from Electrospun Nanofibers and Graphene as Three-Dimensional Networked Matrix for Efficient Energy Storage/Conversion. *Scientific Reports*, **2016**, 6, 31541	4.9	32
42	Self-supported MoS2@NHCF fiber-in-tube composites with tunable voids for efficient hydrogen evolution reaction. *Composites Communications*, **2018**, 9, 86-91	6.7	29
41	Electrospinning of poly (ε-caprolactone-co-lactide)/Pluronic blended scaffolds for skin tissue engineering. *Journal of Materials Science*, **2014**, 49, 7253-7262	4.3	29

40	3D printed carbon aerogel microlattices for customizable supercapacitors with high areal capacitance. *Journal of Materials Chemistry A*, **2021**, 9, 423-432	13	27
39	Highly Dual-Heteroatom-Doped Ultrathin Carbon Nanosheets with Expanded Interlayer Distance for Efficient Energy Storage. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3143-3153	8.3	26
38	Nanocubic-Co3O4 coupled with nitrogen-doped carbon nanofiber network: A synergistic binder-free catalyst toward oxygen reduction reactions. *Composites Communications*, **2016**, 1, 15-19	6.7	25
37	Silicon @ nitrogen-doped porous carbon fiber composite anodes synthesized by an in-situ reaction collection strategy for high-performance lithium-ion batteries. *Applied Surface Science*, **2019**, 475, 211-218	6.7	24
36	Topochemistry-Driven Synthesis of Transition-Metal Selenides with Weakened Van Der Waals Force to Enable 3D-Printed Na-Ion Hybrid Capacitors. *Advanced Functional Materials*, **2022**, 32, 2110016	15.6	21
35	MoSe2 Nanosheets Grown on Polydopamine-Derived Porous Fibers: A High-Performance Catalyst for Hydrogen Evolution Reaction. *Advanced Materials Interfaces*, **2017**, 4, 1600825	4.6	19
34	Polyimide separators for rechargeable batteries. *Journal of Energy Chemistry*, **2021**, 58, 170-197	12	19
33	Elucidating dual-defect mechanism in rhenium disulfide nanosheets with multi-dimensional ion transport channels for ultrafast sodium storage. *Nano Energy*, **2020**, 77, 105189	17.1	17
32	Eco-friendly synthesis of hierarchical ginkgo-derived carbon nanoparticles/NiAl-layered double hydroxide hybrid electrodes toward high-performance supercapacitors. *RSC Advances*, **2015**, 5, 55109-55118	3.7	15
31	Highly porous electroactive polyimide-based nanofibrous composite anode for all-organic aqueous ammonium dual-ion batteries. *Composites Communications*, **2020**, 22, 100519	6.7	14
30	Multi-scale uniform Li regulation triggered by tunable electric field distribution on oxygen-functionalized porous framework for flexible Li-S full batteries. *Energy Storage Materials*, **2021**, 42, 68-77	19.4	14
29	Synergistic effect of carbon nanotubes and layered double hydroxides on the mechanical reinforcement of nylon-6 nanocomposites. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 1276-1285	3.5	13
28	Porous polymer composite separators with three-dimensional ion-selective nanochannels for high-performance Li-S batteries. *Composites Communications*, **2021**, 25, 100679	6.7	13
27	A bio-inspired N-doped porous carbon electrocatalyst with hierarchical superstructure for efficient oxygen reduction reaction. *Applied Surface Science*, **2018**, 443, 266-273	6.7	12
26	A highly flexible and conductive graphene-wrapped carbon nanofiber membrane for high-performance electrocatalytic applications. *Inorganic Chemistry Frontiers*, **2016**, 3, 969-976	6.8	12
25	Flexible naphthalene-based polyimide nanofiber cathode with hierarchical micro/nanoporous structure for high-performance organic sodium-ion batteries. *Composites Communications*, **2020**, 22, 100490	6.7	12
24	Hierarchical composites of NiCo2S4 nanorods grown on carbon nanofibers as anodes for high-performance lithium ion batteries. *Composites Communications*, **2020**, 21, 100395	6.7	11
23	Gradient phosphorus-doping engineering and superficial amorphous reconstruction in NiFeO nanoarrays to enhance the oxygen evolution electrocatalysis. *Nanoscale*, **2020**, 12, 10977-10986	7.7	11

22	Shape-dependent thermo-plasmonic effect of nanoporous gold at the nanoscale for ultrasensitive heat-mediated remote actuation. *Nanoscale*, **2018**, 10, 16005-16012	7.7	11
21	Diameter-Controlled Synthesis and Capacitive Performance of Mesoporous Dual-Layer MnO2 Nanotubes. *ChemNanoMat*, **2015**, 1, 159-166	3.5	11
20	Carbon Fiber Supported Binary Metal Sulfide Catalysts with Multi-Dimensional Structures for Electrocatalytic Nitrogen Reduction Reactions Over a Wide pH Range. *Advanced Fiber Materials*, **2021**, 3, 229-238	10.9	10
19	A dual-functional poly(vinyl alcohol)/poly(lithium acrylate) composite nanofiber separator for ionic shielding of polysulfides enables high-rate and ultra-stable Li-S batteries. *Nano Research*, **2021**, 14, 1541-1550	10	10
18	Vacancy engineering of group VI anions in NiCo2A4 (A□= O, S, Se) for efficient hydrogen production by weakening the shackles of hydronium ion. *Electrochimica Acta*, **2020**, 333, 135515	6.7	9
17	Free-Standing Silver Nanocube/Graphene Oxide Hybrid Paper for Surface-Enhanced Raman Scattering. *Chinese Journal of Chemistry*, **2016**, 34, 73-81	4.9	9
16	Ultra-strong capillarity of bioinspired micro/nanotunnels in organic cathodes enabled high-performance all-organic sodium-ion full batteries. *Chemical Engineering Journal*, **2021**, 420, 127597	14.7	7
15	Graphene/□AlOOH Hybrids as an enhanced sensing platform for ultrasensitive stripping voltammetric detection of Pb(II). *Chemical Research in Chinese Universities*, **2015**, 31, 590-596	2.2	6
14	Radical-functionalized polymer nanofiber composite separator for ultra-stable dendritic-free lithium metal batteries. *Composites Communications*, **2021**, 25, 100696	6.7	6
13	Hierarchically Organized Nanocomposites Derived from Low-dimensional Nanomaterials for Efficient Removal of Organic Pollutants. *Current Organic Chemistry*, **2015**, 19, 498-511	1.7	5
12	Electrospun Nanofiber Electrodes **2019**, 641-669		4
11	RECENT PROGRESS IN HIERARCHICALLY ORGANIZED POLYMER NANOCOMPOSITES BASED ON ELECTROSPUN NANOFIBERS. *Acta Polymerica Sinica*, **2012**, 012, 801-811		4
10	Metal□Organic Framework Decorated Polymer Nanofiber Composite Separator for Physiochemically Shielding Polysulfides in Stable Lithium□Sulfur Batteries. *Energy & Fuels*,	4.1	4
9	Recent advances and perspectives of 3D printed micro-supercapacitors: from design to smart integrated devices.. *Chemical Communications*, **2022**,	5.8	3
8	Electron-Deficient Au Nanoparticles Confined in Organic Molecular Cages for Catalytic Reduction of 4-Nitrophenol. *ACS Applied Nano Materials*, **2022**, 5, 1276-1283	5.6	2
7	Asymmetric Sodiophilic Host Based on a Ag-Modified Carbon Fiber Framework for Dendrite-Free Sodium Metal Anodes. *ACS Applied Materials & Interfaces*, **2021**, 13, 48634-48642	9.5	2
6	Electrospun Polymer Nanofiber Separators and Electrolyte Membranes for Energy Storage and Conversion Applications **2016**, 201-223		2
5	Homogeneous electric field and Li flux regulation in three-dimensional nanofibrous composite framework for ultra-long-life lithium metal anode.. *Journal of Colloid and Interface Science*, **2022**, 614, 138-146	9.3	1

4	Electrospun Biopolymer Nanofibers and Their Composites for Drug Delivery Applications275-298		1
3	In-Situ Constructing Polyether-Based Composite Electrolyte with Bi-Phase Ion Conductivity and Stable Electrolyte/Electrode Interphase for Solid-State Lithium Metal Batteries. *Journal of Materials Chemistry A*,	13	1
2	Low-crystallinity tungsten disulfide construction by in-situ confinement effect enables ultrastable sodium-ion storage. *Journal of Alloys and Compounds*, **2022**, 900, 163518	5.7	0
1	Flexible polytriphenylamine-based cathodes with reinforced energy-storage capacity for high-performance sodium-ion batteries. *Science China Materials*,1	7.1	0