

# Wenyao Li

## List of Publications by Citations

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103  
papers

3,786  
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35  
h-index

59  
g-index

109  
ext. papers

4,440  
ext. citations

6.9  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
103	Hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell nanowire arrays on nickel foam for aqueous asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4795	13	315
102	Cu <sub>7</sub> S <sub>4</sub> nanocrystals: a novel photothermal agent with a 56.7% photothermal conversion efficiency for photothermal therapy of cancer cells. <i>Nanoscale</i> , <b>2014</b> , 6, 3274-82	7.7	198
101	S, N-Co-Doped Graphene-Nickel Cobalt Sulfide Aerogel: Improved Energy Storage and Electrocatalytic Performance. <i>Advanced Science</i> , <b>2017</b> , 4, 1600214	13.6	169
100	Design and synthesis of 3D interconnected mesoporous NiCo <sub>2</sub> O <sub>4</sub> @Co <sub>x</sub> Ni <sub>1-x</sub> (OH) <sub>2</sub> core-shell nanosheet arrays with large areal capacitance and high rate performance for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10090	13	146
99	Hydrophilic molybdenum oxide nanomaterials with controlled morphology and strong plasmonic absorption for photothermal ablation of cancer cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3915-22	9.5	141
98	One pot synthesis of nickel foam supported self-assembly of NiWO <sub>4</sub> and CoWO <sub>4</sub> nanostructures that act as high performance electrochemical capacitor electrodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14272-14278	13	119
97	MoO <sub>3</sub> /PANI coaxial heterostructure nanobelts by in situ polymerization for high performance supercapacitors. <i>Nano Energy</i> , <b>2014</b> , 7, 72-79	17.1	119
96	A Dendritic Nickel Cobalt Sulfide Nanostructure for Alkaline Battery Electrodes. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705937	15.6	112
95	Facile synthesis of porous MnCo <sub>2</sub> O <sub>4.5</sub> hierarchical architectures for high-rate supercapacitors. <i>CrystEngComm</i> , <b>2014</b> , 16, 2335-2339	3.3	104
94	Mechanism analysis of the capacitance contributions and ultralong cycling-stability of the isomorphous MnO <sub>2</sub> @MnO <sub>2</sub> core/shell nanostructures for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6168-6176	13	103
93	Hierarchical heterostructures of MnO <sub>2</sub> nanosheets or nanorods grown on Au-coated Co <sub>3</sub> O <sub>4</sub> porous nanowalls for high-performance pseudocapacitance. <i>Nanoscale</i> , <b>2013</b> , 5, 2901-8	7.7	102
92	Effect of temperature on the performance of ultrafine MnO <sub>2</sub> nanobelt supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1443-1447	13	94
91	MnMoO <sub>4</sub> ·H <sub>2</sub> O nanoplates grown on a Ni foam substrate for excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20723-20728	13	94
90	Self-assembling hybrid NiO/Co <sub>3</sub> O <sub>4</sub> ultrathin and mesoporous nanosheets into flower-like architectures for pseudocapacitance. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9107	13	91
89	MnO <sub>2</sub> ultralong nanowires with better electrical conductivity and enhanced supercapacitor performances. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14864		87
88	Facile synthesis of porous Mn <sub>2</sub> O <sub>3</sub> nanocubics for high-rate supercapacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 157, 108-114	6.7	78
87	Heterostructures of CuS nanoparticle/ZnO nanorod arrays on carbon fibers with improved visible and solar light photocatalytic properties. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 7304-7313	13	78

86	3D core/shell hierarchies of MnOOH ultrathin nanosheets grown on NiO nanosheet arrays for high-performance supercapacitors. <i>Nano Energy</i> , <b>2014</b> , 4, 56-64	17.1	76
85	Phase-controlled synthesis and gas-sensing properties of zinc stannate (ZnSnO <sub>3</sub> and Zn <sub>2</sub> SnO <sub>4</sub> ) faceted solid and hollow microcrystals. <i>CrystEngComm</i> , <b>2012</b> , 14, 2172	3.3	76
84	Structure-designed synthesis of hierarchical NiCoO@NiO composites for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 386-391	9.3	66
83	Ni(OH) <sub>2</sub> /CoO/reduced graphene oxide composites with excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 478-481	13	66
82	Phase-controlled synthesis and photocatalytic properties of SnS, SnS <sub>2</sub> and SnS/SnS <sub>2</sub> heterostructure nanocrystals. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 2325-2332	5.1	64
81	Understanding the effect of polypyrrole and poly(3,4-ethylenedioxythiophene) on enhancing the supercapacitor performance of NiCo <sub>2</sub> O <sub>4</sub> electrodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16731-16739	13.9	58
80	Facile synthesis of maguery-like CuCo <sub>2</sub> O <sub>4</sub> nanowires with high areal capacitance for supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 3503-3510	5.7	56
79	Enhanced adsorption capacity of ultralong hydrogen titanate nanobelts for antibiotics. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4352-4358	13	55
78	Sponge-like NiCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> ultrathin nanoflakes for supercapacitor with high-rate performance and ultra-long cycle life. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7738-7741	13	54
77	Design and synthesis of 3D hierarchical NiCo <sub>2</sub> S <sub>4</sub> @MnO <sub>2</sub> core-shell nanosheet arrays for high-performance pseudocapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 44642-44647	3.7	52
76	Combined bortezomib-based chemotherapy and p53 gene therapy using hollow mesoporous silica nanospheres for p53 mutant non-small cell lung cancer treatment. <i>Biomaterials Science</i> , <b>2016</b> , 5, 77-88	7.4	50
75	Exceptional pseudocapacitive properties of hierarchical NiO ultrafine nanowires grown on mesoporous NiO nanosheets. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12799-12804	13	44
74	CoMoO <sub>4</sub> ·0.9H <sub>2</sub> O nanorods grown on reduced graphene oxide as advanced electrochemical pseudocapacitor materials. <i>RSC Advances</i> , <b>2014</b> , 4, 34307	3.7	43
73	MnO <sub>2</sub> Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1003-1008	4.3	43
72	The Role of Phosphate Group in Doped Cobalt Molybdate: Improved Electrocatalytic Hydrogen Evolution Performance. <i>Advanced Science</i> , <b>2020</b> , 7, 1903674	13.6	42
71	Self-standing electrodes with core-shell structures for high-performance supercapacitors. <i>Energy Storage Materials</i> , <b>2017</b> , 9, 119-125	19.4	42
70	Carbon-coated mesoporous NiO nanoparticles as an electrode material for high performance electrochemical capacitors. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 4031	3.6	39
69	Facile synthesis of 3D flower-like porous NiO architectures with an excellent capacitance performance. <i>RSC Advances</i> , <b>2015</b> , 5, 47506-47510	3.7	35

68	Hydrogels that couple nitrogen-enriched graphene with Ni(OH) <sub>2</sub> nanosheets for high-performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 782, 516-524	5.7	33
67	Hierarchical nanocomposite that coupled nitrogen-doped graphene with aligned PANI cores arrays for high-performance supercapacitor. <i>Electrochimica Acta</i> , <b>2020</b> , 330, 135236	6.7	29
66	Core-shell TiO <sub>2</sub> @C ultralong nanotubes with enhanced adsorption of antibiotics. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19081-19086	13	28
65	Defected vanadium bronzes as superb cathodes in aqueous zinc-ion batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 20638-20647	7.7	27
64	ZIF-8-Derived Hollow Carbon for Efficient Adsorption of Antibiotics. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	26
63	Highly ordered mesoporous NiCo <sub>2</sub> O <sub>4</sub> with superior pseudocapacitance performance for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11503-11510	13	26
62	Magnetic-field-assisted hydrothermal synthesis of 2D tunnels of MnO <sub>2</sub> nanostructures with enhanced supercapacitor performance. <i>CrystEngComm</i> , <b>2014</b> , 16, 9987-9991	3.3	24
61	NiO/MnO <sub>2</sub> core/shell nanocomposites for high-performance pseudocapacitors. <i>Materials Letters</i> , <b>2014</b> , 114, 40-43	3.3	24
60	CuS hierarchical hollow microcubes with improved visible-light photocatalytic performance. <i>RSC Advances</i> , <b>2015</b> , 5, 98136-98143	3.7	23
59	A facile synthesis of MnO <sub>2</sub> used as a supercapacitor electrode material: The influence of the Mn-based precursor solutions on the electrochemical performance. <i>Applied Surface Science</i> , <b>2015</b> , 357, 1747-1752	6.7	19
58	Urchin-like MnO <sub>2</sub> capped ZnO nanorods as high-rate and high-stability pseudocapacitor electrodes. <i>Electrochimica Acta</i> , <b>2015</b> , 186, 1-6	6.7	18
57	Carbon-Decorated NaV(PO) <sub>4</sub> as Ultralong Lifespan Cathodes for High-Energy-Density Symmetric Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 25036-25043	9.5	18
56	Ultrafine MnO Nanowire Arrays Grown on Carbon Fibers for High-Performance Supercapacitors. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 469	5	16
55	A facile electrospinning method to fabricate polylactide/graphene/MWCNTs nanofiber membrane for tissues scaffold. <i>Applied Surface Science</i> , <b>2016</b> , 362, 163-168	6.7	16
54	Multifunctional polymer composites reinforced by carbon nanotubes/Alumina hybrids with urchin-like structure. <i>Materials Today Communications</i> , <b>2017</b> , 11, 94-102	2.5	14
53	MoS <sub>2</sub> /NiS core-shell structures for improved electrocatalytic process of hydrogen evolution. <i>Journal of Power Sources</i> , <b>2020</b> , 472, 228497	8.9	14
52	A controllable hydrothermal synthesis of uniform three-dimensional hierarchical microstructured ZnO films. <i>CrystEngComm</i> , <b>2011</b> , 13, 6107	3.3	14
51	Flurbiprofen axetil loaded coaxial electrospun poly(vinyl pyrrolidone)/nanopoly(lactic-co-glycolic acid) core-shell composite nanofibers: Preparation, characterization, and anti-adhesion activity. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	13

50	Hollow Cu-doped NiO microspheres as anode materials with enhanced lithium storage performance.. <i>RSC Advances</i> , <b>2019</b> , 9, 20963-20967	3.7	13
49	Hierarchical MoO <sub>3</sub> /MnO <sub>2</sub> core-shell nanostructures with enhanced pseudocapacitive properties. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 725, 373-378	5.7	13
48	Wetting and spreading behaviors of Al-Si alloy on surface textured stainless steel by ultrafast laser. <i>Applied Surface Science</i> , <b>2020</b> , 520, 146316	6.7	12
47	Substantially reduced crystallization temperature of SBA-15 mesoporous silica in NaNO <sub>3</sub> molten salt. <i>Materials Letters</i> , <b>2016</b> , 170, 179-182	3.3	12
46	Design and synthesis of porous TiO <sub>2</sub> @C nanotube bundles with enhanced supercapacitive performance. <i>Ceramics International</i> , <b>2017</b> , 43, 2876-2880	5.1	12
45	Ethanol gas sensor based on a self-supporting hierarchical SnO <sub>2</sub> nanorods array. <i>CrystEngComm</i> , <b>2015</b> , 17, 1800-1804	3.3	12
44	Enhancing Hydrogen Evolution Electrocatalytic Performance in Neutral Media via Nitrogen and Iron Phosphide Interactions. <i>Small Science</i> , <b>2021</b> , 1, 2100032		12
43	Realizing optimal hydrogen evolution reaction properties via tuning phosphorous and transition metal interactions. <i>Green Energy and Environment</i> , <b>2020</b> , 5, 506-512	5.7	11
42	Sodium Superionic Conductors (NASICONs) as Cathode Materials for Sodium-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 1	29.3	11
41	A facile approach to prepare shell/core nanofibers for drug controlled release. <i>Materials Letters</i> , <b>2015</b> , 150, 52-54	3.3	10
40	Loofah activated carbon with hierarchical structures for high-efficiency adsorption of multi-level antibiotic pollutants. <i>Applied Surface Science</i> , <b>2021</b> , 550, 149313	6.7	10
39	Synthesis of One-Dimensional Mesoporous Ag Nanoparticles-Modified TiO Nanofibers by Electrospinning for Lithium Ion Batteries. <i>Materials</i> , <b>2019</b> , 12,	3.5	9
38	Synthesis and characterization of flurbiprofen axetil-loaded electrospun MgAl-LDHs/poly(lactic-co-glycolic acid) composite nanofibers. <i>RSC Advances</i> , <b>2015</b> , 5, 69423-69429	3.7	9
37	Molten salt synthesis of Zn 1.8 Mn 0.2 SiO 4 luminescent materials in NaCl/NaCl 2 eutectic salt. <i>Ceramics International</i> , <b>2016</b> , 42, 7852-7856	5.1	9
36	Humid atmospheric pressure plasma jets exposed micro-defects on CoMoO nanosheets with enhanced OER performance. <i>Chemical Communications</i> , <b>2019</b> , 55, 9432-9435	5.8	8
35	Comprehending the effect of MMoO <sub>4</sub> (M = Co, Ni) nanoflakes on improving the electrochemical performance of NiO electrodes. <i>Dalton Transactions</i> , <b>2015</b> , 44, 21131-40	4.3	8
34	CoMn phosphide encapsulated in nitrogen-doped graphene for electrocatalytic hydrogen evolution over a broad pH range. <i>Chemical Communications</i> , <b>2021</b> , 57, 2400-2403	5.8	8
33	Metal-Nitrogen-doped carbon single-atom electrocatalysts for CO <sub>2</sub> electroreduction. <i>Composites Part B: Engineering</i> , <b>2021</b> , 220, 108986	10	8

32	S-doped graphene/mixed-valent manganese oxides composite electrode with superior performance for supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 819, 152970	5.7	7
31	A bi-layered tubular scaffold for effective anti-coagulant in vascular tissue engineering. <i>Materials and Design</i> , <b>2020</b> , 194, 108943	8.1	7
30	Design of Rugby-Like GeO <sub>2</sub> Grown on Carbon Cloth as a Flexible Anode for High-Performance Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 263-267	1.3	7
29	Hierarchical architectures of Co <sub>3</sub> O <sub>4</sub> ultrafine nanowires grown on Co <sub>3</sub> O <sub>4</sub> nanowires with fascinating electrochemical performance. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 377-384	3.6	6
28	High energy-power density Zn-ion hybrid supercapacitors with N/P co-doped graphene cathode. <i>Journal of Power Sources</i> , <b>2022</b> , 521, 230941	8.9	6
27	Bifunctional Microcapsules with n-Octadecane/Thyme Oil Core and Polyurea Shell for High-Efficiency Thermal Energy Storage and Antibiosis. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
26	Flexible all-solid-state supercapacitors based on PPy/rGO nanocomposite on cotton fabric. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	6
25	Ag-Ag <sub>2</sub> S/reduced graphene oxide hybrids used as long-wave UV radiation emitting nanocomposites. <i>Optical Materials</i> , <b>2017</b> , 72, 529-532	3.3	5
24	Facile Synthesis of Novel VMoO Nanowires With High-Rate Supercapacitive Performance. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 595	5	4
23	Concentration dependent structure evolution and electrical properties of MnO <sub>2</sub> nanostructures. <i>Materials Letters</i> , <b>2016</b> , 165, 200-204	3.3	4
22	Electrospun nanoyarn and exosomes of adipose-derived stem cells for urethral regeneration: Evaluations in vitro and in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 209, 112218	6	4
21	Interfacial engineering of reduced graphene oxide for high-performance supercapacitor materials. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 878, 114679	4.1	4
20	Porous 3D graphene aerogel co-doped with nitrogen and sulfur for high-performance supercapacitors. <i>Nanotechnology</i> , <b>2021</b> , 32, 195405	3.4	4
19	Porous structured cotton-based ACF for the adsorption of benzen. <i>Chemosphere</i> , <b>2021</b> , 282, 131110	8.4	4
18	Hydrogen Evolution: The Role of Phosphate Group in Doped Cobalt Molybdate: Improved Electrocatalytic Hydrogen Evolution Performance (Adv. Sci. 12/2020). <i>Advanced Science</i> , <b>2020</b> , 7, 2070067	13.6	3
17	A Feasible Method Applied to One-Bath Process of Wool/Acrylic Blended Fabrics with Novel Heterocyclic Reactive Dyes and Application Properties of Dyed Textiles. <i>Polymers</i> , <b>2020</b> , 12,	4.5	3
16	Loofah Activated Carbon Sodium Alginate Hydrogel Microspheres with High Efficiency Cyclic Adsorption for Antibiotic Contaminants. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2020</b> , 15, 219-225	1.3	3
15	Synthesis and Kinetic Analysis of $\alpha$ -MnO <sub>2</sub> Nanowires for Supercapacitor Electrode. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2021</b> , 16, 149-156	1.3	3

14	Phosphorus-bridged ternary metal alloy encapsulated in few-layered nitrogen-doped graphene for highly efficient electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 7111-7124 <sup>13</sup>		3
13	Battery Electrodes: A Dendritic Nickel Cobalt Sulfide Nanostructure for Alkaline Battery Electrodes (Adv. Funct. Mater. 23/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870154	15.6	2
12	Uniform NiO nanoparticles used as anodes in Li-ion batteries. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 490, 022063	0.4	2
11	Cover Picture: MnO <sub>2</sub> Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors (ChemElectroChem 6/2014. <i>ChemElectroChem</i> , <b>2014</b> , 1, 960-960	4.3	2
10	ZIF-8/ZIF-67 derived carbon for efficient removal of antibiotics in aqueous solution. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 490, 022064	0.4	1
9	A novel rapid microwave synthesis of MoS <sub>2</sub> nanosheets for supercapacitor electrode. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 490, 022061	0.4	1
8	Preparation and Electrochemical Properties of NiO/Ni/C Lithium Battery Anode Materials. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 490, 022056	0.4	1
7	The mechanical hybrid of V <sub>2</sub> O <sub>5</sub> microspheres/graphene as an excellent cathode for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2022</b> , 26, 729-738	2.6	1
6	An electrochemical biosensor of Sn@C derived from ZnSn(OH) <sub>6</sub> for sensitive determination of acetaminophen. <i>Microchemical Journal</i> , <b>2022</b> , 175, 107128	4.8	1
5	Enhanced adsorption capacity of guar gum derived carbon for quinoline. <i>Micro and Nano Letters</i> , <b>2019</b> , 14, 1249-1252	0.9	1
4	A Review on Adsorption of Organic Pollutants from Water by UiO-67 and Its Derivatives. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2021</b> , 16, 1861-1873	1.3	1
3	MnO <sub>2</sub> -graphene based composites for supercapacitors: synthesis, performance and prospects. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 165343	5.7	1
2	Zeolitic Imidazolate Framework-8 (ZIF-8) and Its Derivative Nanomaterials for Antibiotics Adsorption in Contaminated Water. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2021</b> , 16, 1851-1860 <sup>1,3</sup>		0
1	Electric field induced slanting growth of silicon nanowires with enhanced hydrophobic property. <i>Materials Letters</i> , <b>2017</b> , 198, 8-11	3.3	