

# Wenyao Li

## List of Publications by Year in descending order

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108  
papers

5,084  
citations

66343

42  
h-index

91884

69  
g-index

109  
all docs

109  
docs citations

109  
times ranked

7211  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2014, 2, 4795.	10.3	355
2	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> , 2014, 6, 3274.	5.6	239
3	S, N-Co-Doped Graphene-Nickel Cobalt Sulfide Aerogel: Improved Energy Storage and Electrocatalytic Performance. <i>Advanced Science</i> , 2017, 4, 1600214.	11.2	204
4	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> , 2014, 2, 10090.	10.3	174
5	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> , 2015, 3, 14272-14278.	10.3	167
6	Hydrophilic Molybdenum Oxide Nanomaterials with Controlled Morphology and Strong Plasmonic Absorption for Photothermal Ablation of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3915-3922.	8.0	166
7	MoO <sub>3</sub> /PANI coaxial heterostructure nanobelts by in situ polymerization for high performance supercapacitors. <i>Nano Energy</i> , 2014, 7, 72-79.	16.0	150
8	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> , 2015, 3, 6168-6176.	10.3	138
9	A Dendritic Nickel Cobalt Sulfide Nanostructure for Alkaline Battery Electrodes. <i>Advanced Functional Materials</i> , 2018, 28, 1705937.	14.9	138
10	Facile synthesis of porous MnCo <sub>2</sub> O <sub>4.5</sub> hierarchical architectures for high-rate supercapacitors. <i>CrystEngComm</i> , 2014, 16, 2335-2339.	2.6	131
11	MnMoO <sub>4</sub> ·4H <sub>2</sub> O nanoplates grown on a Ni foam substrate for excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20723-20728.	10.3	111
12	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> , 2013, 5, 2901.	5.6	108
13	Effect of temperature on the performance of ultrafine MnO <sub>2</sub> nanobelt supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1443-1447.	10.3	108
14	MnO <sub>2</sub> ultralong nanowires with better electrical conductivity and enhanced supercapacitor performances. <i>Journal of Materials Chemistry</i> , 2012, 22, 14864.	6.7	101
15	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> , 2013, 1, 9107.	10.3	101
16	Facile synthesis of porous Mn <sub>2</sub> O <sub>3</sub> nanocubics for high-rate supercapacitors. <i>Electrochimica Acta</i> , 2015, 157, 108-114.	5.2	96
17	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> , 2015, 3, 7304-7313.	10.3	95
18	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> , 2012, 14, 2172.	2.6	89

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19	Structure-designed synthesis of hierarchical NiCo <sub>2</sub> O <sub>4</sub> @NiO composites for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 386-391.	9.4	88
20	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> , 2013, 48, 2325-2332.	5.2	87
21	3D core/shell hierarchies of MnOOH ultrathin nanosheets grown on NiO nanosheet arrays for high-performance supercapacitors. <i>Nano Energy</i> , 2014, 4, 56-64.	16.0	83
22	Enhanced adsorption capacity of ultralong hydrogen titanate nanobelts for antibiotics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4352-4358.	10.3	76
23	The Role of Phosphate Group in Doped Cobalt Molybdate: Improved Electrocatalytic Hydrogen Evolution Performance. <i>Advanced Science</i> , 2020, 7, 1903674.	11.2	73
24	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> , 2017, 695, 3503-3510.	5.5	72
25	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> , 2014, 2, 16731-16739.	10.3	70
26	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> , 2014, 2, 7738-7741.	10.3	69
27	Ni(OH) <sub>2</sub> /CoO/reduced graphene oxide composites with excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 478-481.	10.3	68
28	Defected vanadium bronzes as superb cathodes in aqueous zinc-ion batteries. <i>Nanoscale</i> , 2020, 12, 20638-20648.	5.6	61
29	High energy-power density Zn-ion hybrid supercapacitors with N/P co-doped graphene cathode. <i>Journal of Power Sources</i> , 2022, 521, 230941.	7.8	60
30	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> , 2017, 5, 77-88.	5.4	59
31	Sodium Superionic Conductors (NASICONs) as Cathode Materials for Sodium-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2021, 4, 793-823.	25.5	59
32	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> , 2015, 5, 44642-44647.	3.6	57
33	Carbon-Decorated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as Ultralong Lifespan Cathodes for High-Energy-Density Symmetric Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 25036-25043.	8.0	55
34	ZIF-8-Derived Hollow Carbon for Efficient Adsorption of Antibiotics. <i>Nanomaterials</i> , 2019, 9, 117.	4.1	54
35	Core-shell TiO <sub>2</sub> @C ultralong nanotubes with enhanced adsorption of antibiotics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19081-19086.	10.3	53
36	Exceptional pseudocapacitive properties of hierarchical NiO ultrafine nanowires grown on mesoporous NiO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12799-12804.	10.3	52

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37	Self-standing electrodes with core-shell structures for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2017, 9, 119-125.	18.0	52
38	Hierarchical nanocomposite that coupled nitrogen-doped graphene with aligned PANI cores arrays for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2020, 330, 135236.	5.2	49
39	MnO <sub>2</sub> Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors. <i>ChemElectroChem</i> , 2014, 1, 1003-1008.	3.4	48
40	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> , 2014, 4, 34307.	3.6	46
41	Carbon-coated mesoporous NiO nanoparticles as an electrode material for high performance electrochemical capacitors. <i>New Journal of Chemistry</i> , 2013, 37, 4031.	2.8	44
42	Facile synthesis of 3D flower-like porous NiO architectures with an excellent capacitance performance. <i>RSC Advances</i> , 2015, 5, 47506-47510.	3.6	42
43	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> , 2019, 782, 516-524.	5.5	42
44	Hollow Cu-doped NiO microspheres as anode materials with enhanced lithium storage performance. <i>RSC Advances</i> , 2019, 9, 20963-20967.	3.6	37
45	Highly ordered mesoporous NiCo <sub>2</sub> O <sub>4</sub> with superior pseudocapacitance performance for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11503-11510.	10.3	36
46	Metal-Nitrogen-doped carbon single-atom electrocatalysts for CO <sub>2</sub> electroreduction. <i>Composites Part B: Engineering</i> , 2021, 220, 108986.	12.0	35
47	MoS <sub>2</sub> /NiS core-shell structures for improved electrocatalytic process of hydrogen evolution. <i>Journal of Power Sources</i> , 2020, 472, 228497.	7.8	33
48	Loofah activated carbon with hierarchical structures for high-efficiency adsorption of multi-level antibiotic pollutants. <i>Applied Surface Science</i> , 2021, 550, 149313.	6.1	33
49	Wetting and spreading behaviors of Al-Si alloy on surface textured stainless steel by ultrafast laser. <i>Applied Surface Science</i> , 2020, 520, 146316.	6.1	28
50	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> , 2022, 10, 7111-7121.	10.3	28
51	Magnetic-field-assisted hydrothermal synthesis of 2 Å– 2 tunnels of MnO <sub>2</sub> nanostructures with enhanced supercapacitor performance. <i>CrystEngComm</i> , 2014, 16, 9987-9991.	2.6	27
52	NiO/MnO <sub>2</sub> core/shell nanocomposites for high-performance pseudocapacitors. <i>Materials Letters</i> , 2014, 114, 40-43.	2.6	27
53	CuS hierarchical hollow microcubes with improved visible-light photocatalytic performance. <i>RSC Advances</i> , 2015, 5, 98136-98143.	3.6	25
54	Urchin-like MnO <sub>2</sub> capped ZnO nanorods as high-rate and high-stability pseudocapacitor electrodes. <i>Electrochimica Acta</i> , 2015, 186, 1-6.	5.2	24

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55	Ultrafine MnO <sub>2</sub> Nanowire Arrays Grown on Carbon Fibers for High-Performance Supercapacitors. <i>Nanoscale Research Letters</i> , 2016, 11, 469.	5.7	24
56	Enhancing Hydrogen Evolution Electrocatalytic Performance in Neutral Media via Nitrogen and Iron Phosphide Interactions. <i>Small Science</i> , 2021, 1, 2100032.	9.9	24
57	MnO <sub>2</sub> -graphene based composites for supercapacitors: Synthesis, performance and prospects. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165343.	5.5	23
58	A facile synthesis of $\gamma$ -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> , 2015, 357, 1747-1752.	6.1	22
59	Flexible all-solid-state supercapacitors based on PPy/rGO nanocomposite on cotton fabric. <i>Nanotechnology</i> , 2021, 32, 305401.	2.6	22
60	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> , 2022, 209, 112218.	5.0	22
61	A facile electrospinning method to fabricate polylactide/graphene/MWCNTs nanofiber membrane for tissues scaffold. <i>Applied Surface Science</i> , 2016, 362, 163-168.	6.1	20
62	A bi-layered tubular scaffold for effective anti-coagulant in vascular tissue engineering. <i>Materials and Design</i> , 2020, 194, 108943.	7.0	20
63	Substantially reduced crystallization temperature of SBA-15 mesoporous silica in NaNO <sub>3</sub> molten salt. <i>Materials Letters</i> , 2016, 170, 179-182.	2.6	19
64	Realizing optimal hydrogen evolution reaction properties via tuning phosphorous and transition metal interactions. <i>Green Energy and Environment</i> , 2020, 5, 506-512.	8.7	19
65	CoMn phosphide encapsulated in nitrogen-doped graphene for electrocatalytic hydrogen evolution over a broad pH range. <i>Chemical Communications</i> , 2021, 57, 2400-2403.	4.1	19
66	Multifunctional polymer composites reinforced by carbon nanotubes/Alumina hybrids with urchin-like structure. <i>Materials Today Communications</i> , 2017, 11, 94-102.	1.9	18
67	Flurbiprofen axetil loaded coaxial electrospun poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (pyrrolidone) nanofiber characterization, and anti-adhesion activity. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	15
68	A controllable hydrothermal synthesis of uniform three-dimensional hierarchical microstructured ZnO films. <i>CrystEngComm</i> , 2011, 13, 6107.	2.6	14
69	A facile approach to prepare shell/core nanofibers for drug controlled release. <i>Materials Letters</i> , 2015, 150, 52-54.	2.6	14
70	Hierarchical MoO <sub>3</sub> /MnO <sub>2</sub> core-shell nanostructures with enhanced pseudocapacitive properties. <i>Journal of Alloys and Compounds</i> , 2017, 725, 373-378.	5.5	14
71	Design and synthesis of porous TiO <sub>2</sub> @C nanotube bundles with enhanced supercapacitive performance. <i>Ceramics International</i> , 2017, 43, 2876-2880.	4.8	14
72	Synthesis of One-Dimensional Mesoporous Ag Nanoparticles-Modified TiO <sub>2</sub> Nanofibers by Electrospinning for Lithium Ion Batteries. <i>Materials</i> , 2019, 12, 2630.	2.9	13

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73	Bifunctional Microcapsules with n-Octadecane/Thyme Oil Core and Polyurea Shell for High-Efficiency Thermal Energy Storage and Antibiosis. <i>Polymers</i> , 2020, 12, 2226.	4.5	13
74	Synthesis of Prussian Blue Nanoparticles and Their Antibacterial, Antiinflammation and Antitumor Applications. <i>Pharmaceuticals</i> , 2022, 15, 769.	3.8	13
75	Ethanol gas sensor based on a self-supporting hierarchical SnO <sub>2</sub> nanorods array. <i>CrystEngComm</i> , 2015, 17, 1800-1804.	2.6	12
76	Synthesis and characterization of flurbiprofen axetil-loaded electrospun MgAl-LDHs/poly(lactic-co-glycolic acid) composite nanofibers. <i>RSC Advances</i> , 2015, 5, 69423-69429.	3.6	12
77	Porous 3D graphene aerogel co-doped with nitrogen and sulfur for high-performance supercapacitors. <i>Nanotechnology</i> , 2021, 32, 195405.	2.6	12
78	Humid atmospheric pressure plasma jets exposed micro-defects on CoMoO <sub>4</sub> nanosheets with enhanced OER performance. <i>Chemical Communications</i> , 2019, 55, 9432-9435.	4.1	11
79	S-doped graphene/mixed-valent manganese oxides composite electrode with superior performance for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152970.	5.5	11
80	Porous structured cotton-based ACF for the adsorption of benzen. <i>Chemosphere</i> , 2021, 282, 131110.	8.2	11
81	Comprehending the effect of MMoO <sub>4</sub> (M = Co, Ni) nanoflakes on improving the electrochemical performance of NiO electrodes. <i>Dalton Transactions</i> , 2015, 44, 21131-21140.	3.3	9
82	Molten salt synthesis of Zn 1.8 Mn 0.2 SiO 4 luminescent materials in NaCl-ZnCl 2 eutectic salt. <i>Ceramics International</i> , 2016, 42, 7852-7856.	4.8	9
83	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> , 2020, 12, 285.	4.5	9
84	The mechanical hybrid of V2O5 microspheres/graphene as an excellent cathode for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 729-738.	2.5	8
85	New Insight into the Mechanism of Simultaneous Determination of Ascorbic Acid, Dopamine, and Uric Acid with Graphene Encapsulated CoFe Alloys Electrochemical Sensor. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	8
86	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> , 2016, 40, 377-384.	2.8	7
87	Battery Electrodes: A Dendritic Nickel Cobalt Sulfide Nanostructure for Alkaline Battery Electrodes ( <i>Adv. Funct. Mater.</i> 23/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870154.	14.9	7
88	Facile Synthesis of Novel V0.13Mo0.87O2.935 Nanowires With High-Rate Supercapacitive Performance. <i>Frontiers in Chemistry</i> , 2019, 7, 595.	3.6	7
89	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> , 2019, 19, 263-267.	0.9	7
90	Interfacial engineering of reduced graphene oxide for high-performance supercapacitor materials. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114679.	3.8	7

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91	Ag-Ag <sub>2</sub> S/reduced graphene oxide hybrids used as long-wave UV radiation emitting nanocomposites. <i>Optical Materials</i> , 2017, 72, 529-532.	3.6	6
92	An electrochemical biosensor of Sn@C derived from ZnSn(OH) <sub>6</sub> for sensitive determination of acetaminophen. <i>Microchemical Journal</i> , 2022, 175, 107128.	4.5	6
93	Hydrogen Evolution: The Role of Phosphate Group in Doped Cobalt Molybdate: Improved Electrocatalytic Hydrogen Evolution Performance ( <i>Adv. Sci.</i> 12/2020). <i>Advanced Science</i> , 2020, 7, 2070067.	11.2	5
94	Concentration dependent structure evolution and electrical properties of MnO <sub>2</sub> nanostructures. <i>Materials Letters</i> , 2016, 165, 200-204.	2.6	4
95	Uniform NiO nanoparticles used as anodes in Li-ion batteries. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 490, 022063.	0.6	4
96	Loofah Activated Carbon Sodium Alginate Hydrogel Microspheres with High Efficiency Cyclic Adsorption for Antibiotic Contaminants. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2020, 15, 219-225.	0.5	4
97	A Review on Adsorption of Organic Pollutants from Water by UiO-67 and Its Derivatives. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2021, 16, 1861-1873.	0.5	4
98	Cover Picture: MnO <sub>2</sub> Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors		