

Wenyao Li

List of Publications by Year in descending order

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108
papers

5,084
citations

66234

42
h-index

91712

69
g-index

109
all docs

109
docs citations

109
times ranked

7211
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical mesoporous NiCo ₂ O ₄ @MnO ₂ core-shell nanowire arrays on nickel foam for aqueous asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4795.	5.2	355
2	Cu ₇ S ₄ nanocrystals: a novel photothermal agent with a 56.7% photothermal conversion efficiency for photothermal therapy of cancer cells. <i>Nanoscale</i> , 2014, 6, 3274.	2.8	239
3	S, N-doped Graphene-Nickel Cobalt Sulfide Aerogel: Improved Energy Storage and Electrocatalytic Performance. <i>Advanced Science</i> , 2017, 4, 1600214.	5.6	204
4	Design and synthesis of 3D interconnected mesoporous NiCo ₂ O ₄ @Co _x Ni _{1-x} (OH) ₂ core-shell nanosheet arrays with large areal capacitance and high rate performance for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10090.	5.2	174
5	One pot synthesis of nickel foam supported self-assembly of NiWO ₄ and CoWO ₄ nanostructures that act as high performance electrochemical capacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14272-14278.	5.2	167
6	Hydrophilic Molybdenum Oxide Nanomaterials with Controlled Morphology and Strong Plasmonic Absorption for Photothermal Ablation of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3915-3922.	4.0	166
7	MoO ₃ /PANI coaxial heterostructure nanobelts by in situ polymerization for high performance supercapacitors. <i>Nano Energy</i> , 2014, 7, 72-79.	8.2	150
8	Mechanism analysis of the capacitance contributions and ultralong cycling-stability of the isomorphous MnO ₂ @MnO ₂ core/shell nanostructures for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6168-6176.	5.2	138
9	A Dendritic Nickel Cobalt Sulfide Nanostructure for Alkaline Battery Electrodes. <i>Advanced Functional Materials</i> , 2018, 28, 1705937.	7.8	138
10	Facile synthesis of porous MnCo ₂ O _{4.5} hierarchical architectures for high-rate supercapacitors. <i>CrystEngComm</i> , 2014, 16, 2335-2339.	1.3	131
11	MnMoO ₄ ·4H ₂ O nanoplates grown on a Ni foam substrate for excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20723-20728.	5.2	111
12	Hierarchical heterostructures of MnO ₂ nanosheets or nanorods grown on Au-coated Co ₃ O ₄ porous nanowalls for high-performance pseudocapacitance. <i>Nanoscale</i> , 2013, 5, 2901.	2.8	108
13	Effect of temperature on the performance of ultrafine MnO ₂ nanobelt supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1443-1447.	5.2	108
14	MnO ₂ 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 ₃ O ₄ ultrathin and mesoporous nanosheets into flower-like architectures for pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9107.	5.2	101
16	Facile synthesis of porous Mn ₂ O ₃ nanocubics for high-rate supercapacitors. <i>Electrochimica Acta</i> , 2015, 157, 108-114.	2.6	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.	5.2	95
18	Phase-controlled synthesis and gas-sensing properties of zinc stannate (ZnSnO ₃ and Zn ₂ SnO ₄) faceted solid and hollow microcrystals. <i>CrystEngComm</i> , 2012, 14, 2172.	1.3	89

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19	Structure-designed synthesis of hierarchical NiCo ₂ O ₄ @NiO composites for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 386-391.	5.0	88
20	Phase-controlled synthesis and photocatalytic properties of SnS, SnS ₂ and SnS/SnS ₂ heterostructure nanocrystals. <i>Materials Research Bulletin</i> , 2013, 48, 2325-2332.	2.7	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.	8.2	83
22	Enhanced adsorption capacity of ultralong hydrogen titanate nanobelts for antibiotics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4352-4358.	5.2	76
23	The Role of Phosphate Group in Doped Cobalt Molybdate: Improved Electrocatalytic Hydrogen Evolution Performance. <i>Advanced Science</i> , 2020, 7, 1903674.	5.6	73
24	Facile synthesis of maguery-like CuCo ₂ O ₄ nanowires with high areal capacitance for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3503-3510.	2.8	72
25	Understanding the effect of polypyrrole and poly(3,4-ethylenedioxythiophene) on enhancing the supercapacitor performance of NiCo ₂ O ₄ electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16731-16739.	5.2	70
26	Sponge-like NiCo ₂ O ₄ /MnO ₂ ultrathin nanoflakes for supercapacitor with high-rate performance and ultra-long cycle life. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7738-7741.	5.2	69
27	Ni(OH) ₂ /CoO/reduced graphene oxide composites with excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 478-481.	5.2	68
28	Defected vanadium bronzes as superb cathodes in aqueous zinc-ion batteries. <i>Nanoscale</i> , 2020, 12, 20638-20648.	2.8	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.	4.0	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.	2.6	59
31	Sodium Superionic Conductors (NASICONs) as Cathode Materials for Sodium-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2021, 4, 793-823.	13.1	59
32	Design and synthesis of 3D hierarchical NiCo ₂ S ₄ @MnO ₂ core-shell nanosheet arrays for high-performance pseudocapacitors. <i>RSC Advances</i> , 2015, 5, 44642-44647.	1.7	57
33	Carbon-Decorated Na ₃ V ₂ (PO ₄) ₃ as Ultralong Lifespan Cathodes for High-Energy-Density Symmetric Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25036-25043.	4.0	55
34	ZIF-8-Derived Hollow Carbon for Efficient Adsorption of Antibiotics. <i>Nanomaterials</i> , 2019, 9, 117.	1.9	54
35	Core-shell TiO ₂ @C ultralong nanotubes with enhanced adsorption of antibiotics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19081-19086.	5.2	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.	5.2	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.	9.5	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.	2.6	49
39	MnO ₂ Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors. <i>ChemElectroChem</i> , 2014, 1, 1003-1008.	1.7	48
40	CoMoO ₄ ·0.9H ₂ O nanorods grown on reduced graphene oxide as advanced electrochemical pseudocapacitor materials. <i>RSC Advances</i> , 2014, 4, 34307.	1.7	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.	1.4	44
42	Facile synthesis of 3D flower-like porous NiO architectures with an excellent capacitance performance. <i>RSC Advances</i> , 2015, 5, 47506-47510.	1.7	42
43	Hydrogels that couple nitrogen-enriched graphene with Ni(OH) ₂ nanosheets for high-performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 782, 516-524.	2.8	42
44	Hollow Cu-doped NiO microspheres as anode materials with enhanced lithium storage performance. <i>RSC Advances</i> , 2019, 9, 20963-20967.	1.7	37
45	Highly ordered mesoporous NiCo ₂ O ₄ with superior pseudocapacitance performance for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11503-11510.	5.2	36
46	Metal-Nitrogen-doped carbon single-atom electrocatalysts for CO ₂ electroreduction. <i>Composites Part B: Engineering</i> , 2021, 220, 108986.	5.9	35
47	MoS ₂ /NiS core-shell structures for improved electrocatalytic process of hydrogen evolution. <i>Journal of Power Sources</i> , 2020, 472, 228497.	4.0	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.	3.1	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.	3.1	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.	5.2	28
51	Magnetic-field-assisted hydrothermal synthesis of 2 Å– 2 tunnels of MnO ₂ nanostructures with enhanced supercapacitor performance. <i>CrystEngComm</i> , 2014, 16, 9987-9991.	1.3	27
52	NiO/MnO ₂ core/shell nanocomposites for high-performance pseudocapacitors. <i>Materials Letters</i> , 2014, 114, 40-43.	1.3	27
53	CuS hierarchical hollow microcubes with improved visible-light photocatalytic performance. <i>RSC Advances</i> , 2015, 5, 98136-98143.	1.7	25
54	Urchin-like MnO ₂ capped ZnO nanorods as high-rate and high-stability pseudocapacitor electrodes. <i>Electrochimica Acta</i> , 2015, 186, 1-6.	2.6	24

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55	Ultrafine MnO ₂ Nanowire Arrays Grown on Carbon Fibers for High-Performance Supercapacitors. <i>Nanoscale Research Letters</i> , 2016, 11, 469.	3.1	24
56	Enhancing Hydrogen Evolution Electrocatalytic Performance in Neutral Media via Nitrogen and Iron Phosphide Interactions. <i>Small Science</i> , 2021, 1, 2100032.	5.8	24
57	MnO ₂ -graphene based composites for supercapacitors: Synthesis, performance and prospects. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165343.	2.8	23
58	A facile synthesis of γ -MnO ₂ 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.	3.1	22
59	Flexible all-solid-state supercapacitors based on PPy/rGO nanocomposite on cotton fabric. <i>Nanotechnology</i> , 2021, 32, 305401.	1.3	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.	2.5	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.	3.1	20
62	A bi-layered tubular scaffold for effective anti-coagulant in vascular tissue engineering. <i>Materials and Design</i> , 2020, 194, 108943.	3.3	20
63	Substantially reduced crystallization temperature of SBA-15 mesoporous silica in NaNO ₃ molten salt. <i>Materials Letters</i> , 2016, 170, 179-182.	1.3	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.	4.7	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.	2.2	19
66	Multifunctional polymer composites reinforced by carbon nanotubes/Alumina hybrids with urchin-like structure. <i>Materials Today Communications</i> , 2017, 11, 94-102.	0.9	18
67	Flurbiprofen axetil loaded coaxial electrospun poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (pyrrolidone) nanofibers characterization, and anti-adhesion activity. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	15
68	A controllable hydrothermal synthesis of uniform three-dimensional hierarchical microstructured ZnO films. <i>CrystEngComm</i> , 2011, 13, 6107.	1.3	14
69	A facile approach to prepare shell/core nanofibers for drug controlled release. <i>Materials Letters</i> , 2015, 150, 52-54.	1.3	14
70	Hierarchical MoO ₃ /MnO ₂ core-shell nanostructures with enhanced pseudocapacitive properties. <i>Journal of Alloys and Compounds</i> , 2017, 725, 373-378.	2.8	14
71	Design and synthesis of porous TiO ₂ @C nanotube bundles with enhanced supercapacitive performance. <i>Ceramics International</i> , 2017, 43, 2876-2880.	2.3	14
72	Synthesis of One-Dimensional Mesoporous Ag Nanoparticles-Modified TiO ₂ Nanofibers by Electrospinning for Lithium Ion Batteries. <i>Materials</i> , 2019, 12, 2630.	1.3	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.	2.0	13
74	Synthesis of Prussian Blue Nanoparticles and Their Antibacterial, Antiinflammation and Antitumor Applications. <i>Pharmaceuticals</i> , 2022, 15, 769.	1.7	13
75	Ethanol gas sensor based on a self-supporting hierarchical SnO ₂ nanorods array. <i>CrystEngComm</i> , 2015, 17, 1800-1804.	1.3	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.	1.7	12
77	Porous 3D graphene aerogel co-doped with nitrogen and sulfur for high-performance supercapacitors. <i>Nanotechnology</i> , 2021, 32, 195405.	1.3	12
78	Humid atmospheric pressure plasma jets exposed micro-defects on CoMoO ₄ nanosheets with enhanced OER performance. <i>Chemical Communications</i> , 2019, 55, 9432-9435.	2.2	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.	2.8	11
80	Porous structured cotton-based ACF for the adsorption of benzen. <i>Chemosphere</i> , 2021, 282, 131110.	4.2	11
81	Comprehending the effect of MMoO ₄ (M = Co, Ni) nanoflakes on improving the electrochemical performance of NiO electrodes. <i>Dalton Transactions</i> , 2015, 44, 21131-21140.	1.6	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.	2.3	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.	2.0	9
84	The mechanical hybrid of V ₂ O ₅ microspheres/graphene as an excellent cathode for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 729-738.	1.2	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, .	1.9	8
86	Hierarchical architectures of Co ₃ O ₄ ultrafine nanowires grown on Co ₃ O ₄ nanowires with fascinating electrochemical performance. <i>New Journal of Chemistry</i> , 2016, 40, 377-384.	1.4	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.	7.8	7
88	Facile Synthesis of Novel V _{0.13} Mo _{0.87} O _{2.935} Nanowires With High-Rate Supercapacitive Performance. <i>Frontiers in Chemistry</i> , 2019, 7, 595.	1.8	7
89	Design of Rugby-Like GeO ₂ 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.	1.9	7

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91	Ag-Ag ₂ S/reduced graphene oxide hybrids used as long-wave UV radiation emitting nanocomposites. <i>Optical Materials</i> , 2017, 72, 529-532.	1.7	6
92	An electrochemical biosensor of Sn@C derived from ZnSn(OH) ₆ for sensitive determination of acetaminophen. <i>Microchemical Journal</i> , 2022, 175, 107128.	2.3	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.	5.6	5
94	Concentration dependent structure evolution and electrical properties of MnO ₂ nanostructures. <i>Materials Letters</i> , 2016, 165, 200-204.	1.3	4
95	Uniform NiO nanoparticles used as anodes in Li-ion batteries. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 490, 022063.	0.3	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.	0.1	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.	0.1	4
98	Cover Picture: MnO ₂ Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors		