

# Wanfei Li

## List of Publications by Year in descending order

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63  
papers

4,092  
citations

109137

35  
h-index

118652

62  
g-index

63  
all docs

63  
docs citations

63  
times ranked

6381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Electron-Riched Boron Sites in BCN for Nitrogen Fixation via Alternate Mechanism. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	9
2	±-Fe <sub>2</sub> O <sub>3</sub> /alkalinized C <sub>3</sub> N <sub>4</sub> heterostructure as efficient electrocatalyst for oxygen reduction reaction. <i>Journal of Materials Science</i> , 2022, 57, 2012-2020.	1.7	5
3	Facile construction of single-crystalline sodium niobate anode materials: insight into the relationship of the morphology and excellent performance for lithium-ion batteries. <i>Journal of Materials Science</i> , 2022, 57, 5987-5997.	1.7	5
4	A facile in situ Mg surface chemistry strategy for conditioning-free Mg[AlCl <sub>4</sub> ] <sub>2</sub> electrolytes. <i>Electrochimica Acta</i> , 2022, 414, 140213.	2.6	6
5	Facile one-step preparation of acetylated cellulose nanocrystals and their reinforcing function in cellulose acetate film with improved interfacial compatibility. <i>Cellulose</i> , 2021, 28, 2137-2148.	2.4	6
6	Visible-light photocatalytic selective oxidation of C(sp <sup>3</sup> )-H bonds by anion-cation dual-metal-site nanoscale localized carbon nitride. <i>Catalysis Science and Technology</i> , 2021, 11, 4429-4438.	2.1	11
7	Intrinsically Nonflammable Ionic Liquid-Based Localized Highly Concentrated Electrolytes Enable High-Performance Li-Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003752.	10.2	85
8	Unzipped Carbon Nanotube/Graphene Hybrid Fiber with Less "Dead Volume" for Ultrahigh Volumetric Energy Density Supercapacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2100195.	7.8	76
9	Nitrogen and Oxygen Codoped Carbon Anode Fabricated Facilely from Polyaniline Coated Cellulose Nanocrystals for High-Performance Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 9902-9912.	2.5	19
10	Simultaneous Tuning Band Gaps of Cu <sub>2</sub> O and TiO <sub>2</sub> to Form S-Scheme Hetero-Photocatalyst. <i>Chemistry - A European Journal</i> , 2021, 27, 14638-14644.	1.7	8
11	An Activatable NIR Nanoprobe for In Vivo Early Real-Time Diagnosis of Traumatic Brain Injury. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 247-252.	7.2	151
12	An Activatable NIR Nanoprobe for In Vivo Early Real-Time Diagnosis of Traumatic Brain Injury. <i>Angewandte Chemie</i> , 2020, 132, 253-258.	1.6	24
13	Petal cell-derived MnO nanoparticle-incorporated biocarbon composite and its enhanced lithium storage performance. <i>Journal of Materials Science</i> , 2020, 55, 2139-2154.	1.7	21
14	Extending Cycle Life of Mg/S Battery by Activation of Mg Anode/Electrolyte Interface through an LiCl-Assisted MgCl <sub>2</sub> Solubilization Mechanism. <i>Advanced Functional Materials</i> , 2020, 30, 1909370.	7.8	49
15	Facile and rapid one-step extraction of carboxylated cellulose nanocrystals by H <sub>2</sub> SO <sub>4</sub> /HNO <sub>3</sub> mixed acid hydrolysis. <i>Carbohydrate Polymers</i> , 2020, 231, 115701.	5.1	48
16	Scalable microgel spinning of a three-dimensional porous graphene fiber for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25355-25362.	5.2	41
17	Core-Sheath Structured MoO <sub>3</sub> @MoS <sub>2</sub> Composite for High-Performance Lithium-Ion Battery Anodes. <i>Energy &amp; Fuels</i> , 2020, 34, 11498-11507.	2.5	18
18	Electrostatic Shielding Guides Lateral Deposition for Stable Interphase toward Reversible Magnesium Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19601-19606.	4.0	34

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19	Graphene edge-enhanced anchoring of the well-exposed cobalt clusters via strong chemical bonding for accelerating the oxygen reduction reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2859-2866.	2.5	6
20	Freestanding Carbon Nanotube Film for Flexible Straplike Lithium/Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 3775-3780.	1.7	23
21	Solvothermal ion exchange synthesis of ternary cubic phase Zn <sub>2</sub> Ti <sub>3</sub> O <sub>8</sub> solid spheres as superior anodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 302, 363-372.	2.6	25
22	Improving a Mg/S Battery with YCl <sub>3</sub> Additive and Magnesium Polysulfide. <i>Advanced Science</i> , 2019, 6, 1800981.	5.6	50
23	A non-nucleophilic mono-Mg <sup>2+</sup> electrolyte for rechargeable Mg/S battery. <i>Energy Storage Materials</i> , 2018, 14, 253-257.	9.5	40
24	Tuning active sites on cobalt/nitrogen doped graphene for electrocatalytic hydrogen and oxygen evolution. <i>Electrochimica Acta</i> , 2018, 265, 497-506.	2.6	56
25	Achieving commercial-level mass loading in ternary-doped holey graphene hydrogel electrodes for ultrahigh energy density supercapacitors. <i>Nano Energy</i> , 2018, 46, 266-276.	8.2	135
26	Ultrafast All-Solid-State Coaxial Asymmetric Fiber Supercapacitors with a High Volumetric Energy Density. <i>Advanced Energy Materials</i> , 2018, 8, 1702946.	10.2	86
27	Graphene quantum dot antennas for high efficiency Förster resonance energy transfer based dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2017, 343, 39-46.	4.0	35
28	Liquid-Phase Electrochemical Scanning Electron Microscopy for In Situ Investigation of Lithium Dendrite Growth and Dissolution. <i>Advanced Materials</i> , 2017, 29, 1606187.	11.1	128
29	High Electroactive Material Loading on a Carbon Nanotube@3D Graphene Aerogel for High-Performance Flexible All-Solid-State Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , 2017, 27, 1701122.	7.8	138
30	Synergistic promotion of photoelectrochemical water splitting efficiency of TiO <sub>2</sub> nanorods using metal-semiconducting nanoparticles. <i>Applied Surface Science</i> , 2017, 420, 631-637.	3.1	25
31	Lithium Dendrites: Liquid-Phase Electrochemical Scanning Electron Microscopy for In Situ Investigation of Lithium Dendrite Growth and Dissolution ( <i>Adv. Mater.</i> 13/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	1
32	Improved cycling stability of the capping agent-free nanocrystalline FeS <sub>2</sub> cathode via an upper cut-off voltage control. <i>Journal of Materials Science</i> , 2017, 52, 2442-2451.	1.7	20
33	Robust electrical "highway" network for high mass loading sulfur cathode. <i>Nano Energy</i> , 2017, 40, 390-398.	8.2	68
34	Preparation of Three-dimensional Nitrogen-doped Carbon Nanoribbon and Application in Lithium/Sulfur Batteries. <i>Acta Chimica Sinica</i> , 2017, 75, 225.	0.5	3
35	Prelithiation of Nanostructured Sulfur Cathode by an "On-Sheet" Solid-State Reaction. <i>Small</i> , 2016, 12, 4966-4972.	5.2	14
36	Simultaneous optimization of surface chemistry and pore morphology of 3D graphene-sulfur cathode via multi-ion modulation. <i>Journal of Power Sources</i> , 2016, 321, 193-200.	4.0	46

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37	Impact of size on energy storage performance of graphene based supercapacitor electrode. <i>Electrochimica Acta</i> , 2016, 219, 463-469.	2.6	32
38	Carbon Nitride Supramolecular Hybrid Material Enabled High-Efficiency Photocatalytic Water Treatments. <i>Nano Letters</i> , 2016, 16, 6568-6575.	4.5	108
39	Highly defective graphite for scalable synthesis of nitrogen doped holey graphene with high volumetric capacitance. <i>Journal of Power Sources</i> , 2016, 334, 104-111.	4.0	30
40	Synthesis, Crystal Structure, and Electrochemical Properties of a Simple Magnesium Electrolyte for Magnesium/Sulfur Batteries. <i>Angewandte Chemie</i> , 2016, 128, 6516-6520.	1.6	38
41	Synthesis, Crystal Structure, and Electrochemical Properties of a Simple Magnesium Electrolyte for Magnesium/Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6406-6410.	7.2	106
42	Chemical routes toward long-lasting lithium/sulfur cells. <i>Nano Research</i> , 2016, 9, 94-116.	5.8	112
43	Lithium Batteries: Highly Nitridated Graphene-Li <sub>2</sub> S Cathodes with Stable Modulated Cycles (Adv.) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	10.2	97
44	Highly Nitridated Graphene-Li <sub>2</sub> S Cathodes with Stable Modulated Cycles. <i>Advanced Energy Materials</i> , 2015, 5, 1501369.	10.2	97
45	Vertically Aligned Carbon Nanotubes on Carbon Nanofibers: A Hierarchical Three-Dimensional Carbon Nanostructure for High-Energy Flexible Supercapacitors. <i>Chemistry of Materials</i> , 2015, 27, 1194-1200.	3.2	113
46	Dense integration of graphene and sulfur through the soft approach for compact lithium/sulfur battery cathode. <i>Nano Energy</i> , 2015, 12, 468-475.	8.2	142
47	A high energy density Li <sub>2</sub> S@C nanocomposite cathode with a nitrogen-doped carbon nanotube top current collector. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18913-18919.	5.2	55
48	A Graphene-like Oxygenated Carbon Nitride Material for Improved Cycle-Life Lithium/Sulfur Batteries. <i>Nano Letters</i> , 2015, 15, 5137-5142.	4.5	358
49	Fabrication of mesoporous Li <sub>2</sub> S@C nanofibers for high performance Li/Li <sub>2</sub> S cell cathodes. <i>Nanoscale</i> , 2015, 7, 9472-9476.	2.8	43
50	Highly efficient electrochemiluminescence from iridium( <sup>III</sup> ) complexes with 2-phenylquinoline ligand. <i>Dalton Transactions</i> , 2015, 44, 1858-1865.	1.6	45
51	Homoleptic tris-cyclometalated iridium( <sup>III</sup> ) complexes with phenylimidazole ligands for highly efficient sky-blue OLEDs. <i>New Journal of Chemistry</i> , 2015, 39, 246-253.	1.4	55
52	Three-dimensional metal/oxide nanocone arrays for high-performance electrochemical pseudocapacitors. <i>Nanoscale</i> , 2014, 6, 3626-3631.	2.8	57
53	Novel ternary bipolar host material with carbazole, triazole and phosphine oxide moieties for high efficiency sky-blue OLEDs. <i>New Journal of Chemistry</i> , 2014, 38, 650-656.	1.4	22
54	High-Rate, Ultralong Cycle-Life Lithium/Sulfur Batteries Enabled by Nitrogen-Doped Graphene. <i>Nano Letters</i> , 2014, 14, 4821-4827.	4.5	683

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55	Polyaniline-modified cetyltrimethylammonium bromide-graphene oxide-sulfur nanocomposites with enhanced performance for lithium-sulfur batteries. <i>Nano Research</i> , 2014, 7, 1355-1363.	5.8	63
56	Highly efficient phosphorescent organic light-emitting diodes using a homoleptic iridium(III) complex as a sky-blue dopant. <i>Organic Electronics</i> , 2013, 14, 2596-2601.	1.4	93
57	A novel electron transport material with triazole and diphenylphosphine oxide moieties for high efficiency OLEDs. <i>Tetrahedron</i> , 2013, 69, 9038-9044.	1.0	18
58	Luminescent biscarbene iridium(III) complexes as living cell imaging reagents. <i>Chemical Communications</i> , 2013, 49, 3230.	2.2	67
59	Acid-Induced Degradation and Ancillary Ligand Replacement of Biscyclometalated Iridium(III) Complexes. <i>ChemPlusChem</i> , 2013, 78, 413-418.	1.3	8
60	Substituent effect of ancillary ligands on the luminescence of bis[4,6-(di-fluorophenyl)-pyridinato-N,C2]iridium(III) complexes. <i>Dalton Transactions</i> , 2012, 41, 9373.	1.6	52
61	Configuration effect of novel bipolar triazole/carbazole-based host materials on the performance of phosphorescent OLED devices. <i>Organic Electronics</i> , 2012, 13, 2210-2219.	1.4	53
62	Synthesis of Salicylaldiminato-Functionalized N-Heterocyclic Carbene Complex of Nickel(II) and Its Catalytic Activity for Styrene Polymerization. <i>Organometallics</i> , 2005, 24, 5925-5928.	1.1	98
63	Indenyl nickel complexes: synthesis, characterization and styrene polymerization catalysis. <i>Journal of Organometallic Chemistry</i> , 2003, 688, 132-137.	0.8	29