Wanfei Li

List of Publications by Year
in descending order

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Version: 2024-02-01

63	4,092	109137	118652
papers	citations	35 h-index	62 g-index

63	63	63	6381
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Rate, Ultralong Cycle-Life Lithium/Sulfur Batteries Enabled by Nitrogen-Doped Graphene. Nano Letters, 2014, 14, 4821-4827.	4.5	683
2	A Graphene-like Oxygenated Carbon Nitride Material for Improved Cycle-Life Lithium/Sulfur Batteries. Nano Letters, 2015, 15, 5137-5142.	4.5	358
3	An Activatable NIRâ€II Nanoprobe for Inâ€...Vivo Early Realâ€Time Diagnosis of Traumatic Brain Injury. Angewandte Chemie - International Edition, 2020, 59, 247-252.	7.2	151
4	Dense integration of graphene and sulfur through the soft approach for compact lithium/sulfur battery cathode. Nano Energy, 2015, 12, 468-475.	8.2	142
5	High Electroactive Material Loading on a Carbon Nanotube@3D Graphene Aerogel for Highâ€Performance Flexible Allâ€Solidâ€State Asymmetric Supercapacitors. Advanced Functional Materials, 2017, 27, 1701122.	7.8	138
6	Achieving commercial-level mass loading in ternary-doped holey graphene hydrogel electrodes for ultrahigh energy density supercapacitors. Nano Energy, 2018, 46, 266-276.	8.2	135
7	Liquidâ€Phase Electrochemical Scanning Electron Microscopy for In Situ Investigation of Lithium Dendrite Growth and Dissolution. Advanced Materials, 2017, 29, 1606187.	11.1	128
8	Vertically Aligned Carbon Nanotubes on Carbon Nanofibers: A Hierarchical Three-Dimensional Carbon Nanostructure for High-Energy Flexible Supercapacitors. Chemistry of Materials, 2015, 27, 1194-1200.	3.2	113
9	Chemical routes toward long-lasting lithium/sulfur cells. Nano Research, 2016, 9, 94-116.	5.8	112
10	Carbon Nitride Supramolecular Hybrid Material Enabled High-Efficiency Photocatalytic Water Treatments. Nano Letters, 2016, 16, 6568-6575.	4.5	108
11	Synthesis, Crystal Structure, and Electrochemical Properties of a Simple Magnesium Electrolyte for Magnesium/Sulfur Batteries. Angewandte Chemie - International Edition, 2016, 55, 6406-6410.	7.2	106
12	Synthesis of Salicylaldiminato-Functionalized N-Heterocyclic Carbene Complex of Nickel(II) and Its Catalytic Activity for Styrene Polymerization. Organometallics, 2005, 24, 5925-5928.	1.1	98
13	Highly Nitridated Grapheneâ€“Li₂S Cathodes with Stable Modulated Cycles. Advanced Energy Materials, 2015, 5, 1501369.	10.2	97
14	Highly efficient phosphorescent organic light-emitting diodes using a homoleptic iridium(III) complex as a sky-blue dopant. Organic Electronics, 2013, 14, 2596-2601.	1.4	93
15	Ultrafast Allâ€Solidâ€State Coaxial Asymmetric Fiber Supercapacitors with a High Volumetric Energy Density. Advanced Energy Materials, 2018, 8, 1702946.	10.2	86
16	Intrinsically Nonflammable Ionic Liquidâ€Based Localized Highly Concentrated Electrolytes Enable Highâ€Performance Liâ€Metal Batteries. Advanced Energy Materials, 2021, 11, 2003752.	10.2	85
17	Unzipped Carbon Nanotube/Graphene Hybrid Fiber with Less â€œDead Volumeâ€•for Ultrahigh Volumetric Energy Density Supercapacitors. Advanced Functional Materials, 2021, 31, 2100195.	7.8	76
18	Robust electrical â€œhighwayâ€•network for high mass loading sulfur cathode. Nano Energy, 2017, 40, 390-398.	8.2	68

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19	Luminescent biscarbene iridium(iii) complexes as living cell imaging reagents. Chemical Communications, 2013, 49, 3230.	2.2	67
20	Polyaniline-modified cetyltrimethylammonium bromide-graphene oxide-sulfur nanocomposites with enhanced performance for lithium-sulfur batteries. Nano Research, 2014, 7, 1355-1363.	5.8	63
21	Three-dimensional metal/oxide nanocone arrays for high-performance electrochemical pseudocapacitors. Nanoscale, 2014, 6, 3626-3631.	2.8	57
22	Tuning active sites on cobalt/nitrogen doped graphene for electrocatalytic hydrogen and oxygen evolution. Electrochimica Acta, 2018, 265, 497-506.	2.6	56
23	A high energy density Li₂S@C nanocomposite cathode with a nitrogen-doped carbon nanotube top current collector. Journal of Materials Chemistry A, 2015, 3, 18913-18919.	5.2	55
24	Homoleptic tris-cyclometalated iridium(<scp>iii</scp>) complexes with phenylimidazole ligands for highly efficient sky-blue OLEDs. New Journal of Chemistry, 2015, 39, 246-253.	1.4	55
25	Configuration effect of novel bipolar triazole/carbazole-based host materials on the performance of phosphorescent OLED devices. Organic Electronics, 2012, 13, 2210-2219.	1.4	53
26	Substituent effect of ancillary ligands on the luminescence of bis[4,6-(di-fluorophenyl)-pyridinato-N,C2â€²]iridium(iii) complexes. Dalton Transactions, 2012, 41, 9373.	1.6	52
27	Improving a Mg/S Battery with YCl₃ Additive and Magnesium Polysulfide. Advanced Science, 2019, 6, 1800981.	5.6	50
28	Extending Cycle Life of Mg/S Battery by Activation of Mg Anode/Electrolyte Interface through an LiClâ€Assisted MgCl₂ Solubilization Mechanism. Advanced Functional Materials, 2020, 30, 1909370.	7.8	49
29	Facile and rapid oneâ€“step extraction of carboxylated cellulose nanocrystals by H2SO4/HNO3 mixed acid hydrolysis. Carbohydrate Polymers, 2020, 231, 115701.	5.1	48
30	Simultaneous optimization of surface chemistry and pore morphology of 3D graphene-sulfur cathode via multi-ion modulation. Journal of Power Sources, 2016, 321, 193-200.	4.0	46
31	Highly efficient electrochemiluminescence from iridium(<scp>iii</scp>) complexes with 2-phenylquinoline ligand. Dalton Transactions, 2015, 44, 1858-1865.	1.6	45
32	Fabrication of mesoporous Li₂Sâ€“C nanofibers for high performance Li/Li₂S cell cathodes. Nanoscale, 2015, 7, 9472-9476.	2.8	43
33	Scalable microgel spinning of a three-dimensional porous graphene fiber for high-performance flexible supercapacitors. Journal of Materials Chemistry A, 2020, 8, 25355-25362.	5.2	41
34	A non-nucleophilic mono-Mg2+ electrolyte for rechargeable Mg/S battery. Energy Storage Materials, 2018, 14, 253-257.	9.5	40
35	Synthesis, Crystal Structure, and Electrochemical Properties of a Simple Magnesium Electrolyte for Magnesium/Sulfur Batteries. Angewandte Chemie, 2016, 128, 6516-6520.	1.6	38
36	Graphene quantum dot antennas for high efficiency FÃ¶rster resonance energy transfer based dye-sensitized solar cells. Journal of Power Sources, 2017, 343, 39-46.	4.0	35

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37	Electrostatic Shielding Guides Lateral Deposition for Stable Interphase toward Reversible Magnesium Metal Anodes. ACS Applied Materials & Interfaces, 2020, 12, 19601-19606.	4.0	34
38	Impact of size on energy storage performance of graphene based supercapacitor electrode. Electrochimica Acta, 2016, 219, 463-469.	2.6	32
39	Highly defective graphite for scalable synthesis of nitrogen doped holey graphene with high volumetric capacitance. Journal of Power Sources, 2016, 334, 104-111.	4.0	30
40	Indenyl nickel complexes: synthesis, characterization and styrene polymerization catalysis. Journal of Organometallic Chemistry, 2003, 688, 132-137.	0.8	29
41	Synergistic promotion of photoelectrochemical water splitting efficiency of TiO 2 nanorods using metal-semiconducting nanoparticles. Applied Surface Science, 2017, 420, 631-637.	3.1	25
42	Solvothermal ion exchange synthesis of ternary cubic phase Zn2Ti3O8 solid spheres as superior anodes for lithium ion batteries. Electrochimica Acta, 2019, 302, 363-372.	2.6	25
43	An Activatable NIRâ€I Nanoprobe for Inâ€…Vivo Early Realâ€Time Diagnosis of Traumatic Brain Injury. Angewandte Chemie, 2020, 132, 253-258.	1.6	24
44	Freestanding Carbon Nanotube Film for Flexible Straplike Lithium/Sulfur Batteries. Chemistry - A European Journal, 2019, 25, 3775-3780.	1.7	23
45	Novel ternary bipolar host material with carbazole, triazole and phosphine oxide moieties for high efficiency sky-blue OLEDs. New Journal of Chemistry, 2014, 38, 650-656.	1.4	22
46	Petal cell-derived MnO nanoparticle-incorporated biocarbon composite and its enhanced lithium storage performance. Journal of Materials Science, 2020, 55, 2139-2154.	1.7	21
47	Improved cycling stability of the capping agent-free nanocrystalline FeS2 cathode via an upper cut-off voltage control. Journal of Materials Science, 2017, 52, 2442-2451.	1.7	20
48	Nitrogen and Oxygen Codoped Carbon Anode Fabricated Facilely from Polyaniline Coated Cellulose Nanocrystals for High-Performance Li-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 9902-9912.	2.5	19
49	A novel electron transport material with triazole and diphenylphosphine oxide moieties for high efficiency OLEDs. Tetrahedron, 2013, 69, 9038-9044.	1.0	18
50	Coreâ€“Sheath Structured MoO₃@MoS₂ Composite for High-Performance Lithium-Ion Battery Anodes. Energy & Fuels, 2020, 34, 11498-11507.	2.5	18
51	Prelithiation of Nanostructured Sulfur Cathode by an â€œOnâ€Sheetâ€•Solidâ€State Reaction. Small, 2016, 12, 4966-4972.	5.2	14
52	Visible-light photocatalytic selective oxidation of C(sp³)â€“H bonds by anionâ€“cation dual-metal-site nanoscale localized carbon nitride. Catalysis Science and Technology, 2021, 11, 4429-4438.	2.1	11
53	Tailoring Electronâ€Riched Boron Sites in BCN for Nitrogen Fixation via Alternate Mechanism. Advanced Materials Interfaces, 2022, 9, .	1.9	9
54	Acidâ€Induced Degradation and Ancillary Ligand Replacement of Biscyclometalated Iridium(III) Complexes. ChemPlusChem, 2013, 78, 413-418.	1.3	8

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55	Simultaneous Tuning Band Gaps of Cu₂O and TiO₂ to Form Sâ€Scheme Heteroâ€Photocatalyst. Chemistry - A European Journal, 2021, 27, 14638-14644.	1.7	8
56	Graphene edge-enhanced anchoring of the well-exposed cobalt clusters via strong chemical bonding for accelerating the oxygen reduction reaction. Sustainable Energy and Fuels, 2019, 3, 2859-2866.	2.5	6
57	Facile oneâ€step preparation of acetylated cellulose nanocrystals and their reinforcing function in cellulose acetate film with improved interfacial compatibility. Cellulose, 2021, 28, 2137-2148.	2.4	6
58	A facile in situ Mg surface chemistry strategy for conditioning-free Mg[AlCl4]2 electrolytes. Electrochimica Acta, 2022, 414, 140213.	2.6	6
59	Î±-Fe2O3/alkalinized C3N4 heterostructure as efficient electrocatalyst for oxygen reduction reaction. Journal of Materials Science, 2022, 57, 2012-2020.	1.7	5
60	Facile construction of single-crystalline sodium niobate anode materials: insight into the relationship of the morphology and excellent performance for lithium-ion batteries. Journal of Materials Science, 2022, 57, 5987-5997.	1.7	5
61	Preparation of Three-dimensional Nitrogen-doped Carbon Nanoribbon and Application in Lithium/Sulfur Batteries. Acta Chimica Sinica, 2017, 75, 225.	0.5	3
62	Lithium Dendrites: Liquid-Phase Electrochemical Scanning Electron Microscopy for In Situ Investigation of Lithium Dendrite Growth and Dissolution (Adv. Mater. 13/2017). Advanced Materials, 2017, 29, .	11.1	1
63	Lithium Batteries: Highly Nitridated Graphene-Li2S Cathodes with Stable Modulated Cycles (Adv.) Tj ETQq1 1 0.784314 rgBT /Overloc	10.2	0