

Li-Jun Wan

List of Publications by Year in descending order

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662
papers

67,054
citations

587

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690
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690
docs citations

690
times ranked

51063
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithium–Sulfur Batteries: Electrochemistry, Materials, and Prospects. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13186-13200.	7.2	2,329
2	Nanostructured Materials for Electrochemical Energy Conversion and Storage Devices. <i>Advanced Materials</i> , 2008, 20, 2878-2887.	11.1	2,054
3	Understanding the High Activity of Fe–N–C Electrocatalysts in Oxygen Reduction: Fe/Fe ₃ C Nanoparticles Boost the Activity of Fe–N–C. <i>Journal of the American Chemical Society</i> , 2016, 138, 3570-3578.	6.6	1,549
4	Self-Assembled 3D Flowerlike Iron Oxide Nanostructures and Their Application in Water Treatment. <i>Advanced Materials</i> , 2006, 18, 2426-2431.	11.1	1,526
5	Smaller Sulfur Molecules Promise Better Lithium–Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2012, 134, 18510-18513.	6.6	1,499
6	Carbon Coated Fe ₃ O ₄ Nanospindles as a Superior Anode Material for Lithium–Ion Batteries. <i>Advanced Functional Materials</i> , 2008, 18, 3941-3946.	7.8	1,177
7	Binding SnO ₂ Nanocrystals in Nitrogen-Doped Graphene Sheets as Anode Materials for Lithium–Ion Batteries. <i>Advanced Materials</i> , 2013, 25, 2152-2157.	11.1	1,089
8	Cobalt in Nitrogen-Doped Graphene as Single-Atom Catalyst for High-Sulfur Content Lithium–Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 3977-3985.	6.6	1,071
9	Tin Nanoparticles Encapsulated in Elastic Hollow Carbon Spheres for High-Performance Anode Material in Lithium–Ion Batteries. <i>Advanced Materials</i> , 2008, 20, 1160-1165.	11.1	1,002
10	Self-Assembled Vanadium Pentoxide (V ₂ O ₅) Hollow Microspheres from Nanorods and Their Application in Lithium–Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4391-4395.	7.2	840
11	Acute toxicological effects of copper nanoparticles in vivo. <i>Toxicology Letters</i> , 2006, 163, 109-120.	0.4	825
12	Electronic and Morphological Dual Modulation of Cobalt Carbonate Hydroxides by Mn Doping toward Highly Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>Journal of the American Chemical Society</i> , 2017, 139, 8320-8328.	6.6	745
13	Pt Hollow Nanospheres: Facile Synthesis and Enhanced Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1540-1543.	7.2	662
14	LiFePO ₄ Nanoparticles Embedded in a Nanoporous Carbon Matrix: Superior Cathode Material for Electrochemical Energy Storage Devices. <i>Advanced Materials</i> , 2009, 21, 2710-2714.	11.1	647
15	Space-Confinement-Induced Synthesis of Pyridinic- and Pyrrolic-Nitrogen-Doped Graphene for the Catalysis of Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11755-11759.	7.2	620
16	Rutile-TiO ₂ Nanocoating for a High-Rate Li ₄ Ti ₅ O ₁₂ Anode of a Lithium–Ion Battery. <i>Journal of the American Chemical Society</i> , 2012, 134, 7874-7879.	6.6	602
17	Cascade anchoring strategy for general mass production of high-loading single-atomic metal-nitrogen catalysts. <i>Nature Communications</i> , 2019, 10, 1278.	5.8	591
18	A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1505-1509.	7.2	590

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19	Pomegranate-like N,P-Doped Mo ₂ C@C Nanospheres as Highly Active Electrocatalysts for Alkaline Hydrogen Evolution. ACS Nano, 2016, 10, 8851-8860.	7.3	575
20	Synthesis of Hierarchically Structured Metal Oxides and their Application in Heavy Metal Ion Removal. Advanced Materials, 2008, 20, 2977-2982.	11.1	568
21	Mass Production and High Photocatalytic Activity of ZnS Nanoporous Nanoparticles. Angewandte Chemie - International Edition, 2005, 44, 1269-1273.	7.2	558
22	Zn-Cu-In-Se Quantum Dot Solar Cells with a Certified Power Conversion Efficiency of 11.6%. Journal of the American Chemical Society, 2016, 138, 4201-4209.	6.6	537
23	Nanocarbon Networks for Advanced Rechargeable Lithium Batteries. Accounts of Chemical Research, 2012, 45, 1759-1769.	7.6	533
24	A High-Energy Room-Temperature Sodium-Sulfur Battery. Advanced Materials, 2014, 26, 1261-1265.	11.1	525
25	Watermelon-Inspired Si/C Microspheres with Hierarchical Buffer Structures for Densely Compacted Lithium-Ion Battery Anodes. Advanced Energy Materials, 2017, 7, 1601481.	10.2	508
26	Se-Doping Activates FeOOH for Cost-Effective and Efficient Electrochemical Water Oxidation. Journal of the American Chemical Society, 2019, 141, 7005-7013.	6.6	460
27	Controllable Pt Nanoparticle Deposition on Carbon Nanotubes as an Anode Catalyst for Direct Methanol Fuel Cells. Journal of Physical Chemistry B, 2005, 109, 22212-22216.	1.2	454
28	Self-Assembled Nanocomposite of Silicon Nanoparticles Encapsulated in Graphene through Electrostatic Attraction for Lithium-Ion Batteries. Advanced Energy Materials, 2012, 2, 1086-1090.	10.2	447
29	Suppressing the P2-O2 Phase Transition of Na _{0.67} Mn _{0.67} Ni _{0.33} O ₂ by Magnesium Substitution for Improved Sodium-Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 7445-7449.	7.2	439
30	Self-Templated Fabrication of MoNi ₄ /MoO ₃ Nanorod Arrays with Dual Active Components for Highly Efficient Hydrogen Evolution. Advanced Materials, 2017, 29, 1703311.	11.1	437
31	Improving the Electrode Performance of Ge through Ge@C Core-Shell Nanoparticles and Graphene Networks. Journal of the American Chemical Society, 2012, 134, 2512-2515.	6.6	436
32	3D Flowerlike Ceria Micro/Nanocomposite Structure and Its Application for Water Treatment and CO Removal. Chemistry of Materials, 2007, 19, 1648-1655.	3.2	433
33	Nanostructured Polyaniline-Decorated Pt/C@PANI Core-Shell Catalyst with Enhanced Durability and Activity. Journal of the American Chemical Society, 2012, 134, 13252-13255.	6.6	430
34	MoS ₂ /CdS Nanosheets-on-Nanorod Heterostructure for Highly Efficient Photocatalytic H ₂ Generation under Visible Light Irradiation. ACS Applied Materials & Interfaces, 2016, 8, 15258-15266.	4.0	426
35	Facile synthesis of silicon nanoparticles inserted into graphene sheets as improved anode materials for lithium-ion batteries. Chemical Communications, 2012, 48, 2198.	2.2	417
36	Stable Li Plating/Stripping Electrochemistry Realized by a Hybrid Li Reservoir in Spherical Carbon Granules with 3D Conducting Skeletons. Journal of the American Chemical Society, 2017, 139, 5916-5922.	6.6	410

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37	Subzero-Temperature Cathode for a Sodium-Ion Battery. <i>Advanced Materials</i> , 2016, 28, 7243-7248.	11.1	406
38	Dendrite-Free Li-Metal Battery Enabled by a Thin Asymmetric Solid Electrolyte with Engineered Layers. <i>Journal of the American Chemical Society</i> , 2018, 140, 82-85.	6.6	404
39	Uniform Lithium Nucleation/Growth Induced by Lightweight Nitrogen-Doped Graphitic Carbon Foams for High-Performance Lithium Metal Anodes. <i>Advanced Materials</i> , 2018, 30, 1706216.	11.1	401
40	Reshaping Lithium Plating/Stripping Behavior via Bifunctional Polymer Electrolyte for Room-Temperature Solid Li Metal Batteries. <i>Journal of the American Chemical Society</i> , 2016, 138, 15825-15828.	6.6	399
41	Sulfur Encapsulated in Graphitic Carbon Nanocages for High-Rate and Long-Cycle Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2016, 28, 9539-9544.	11.1	392
42	On-Surface Synthesis of Single-Layered Two-Dimensional Covalent Organic Frameworks via Solid-Vapor Interface Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 10470-10474.	6.6	370
43	A Sandwich-Like Hierarchically Porous Carbon/Graphene Composite as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1301584.	10.2	365
44	Mono dispersed SnO ₂ nanoparticles on both sides of single layer graphene sheets as anode materials in Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2010, 20, 5462.	6.7	362
45	Carbon-Nanotube-Decorated Nano-LiFePO ₄ @C Cathode Material with Superior High-Rate and Low-Temperature Performances for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 1155-1160.	10.2	351
46	Hierarchically Structured Cobalt Oxide (Co ₃ O ₄): The Morphology Control and Its Potential in Sensors. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15858-15863.	1.2	339
47	High-Capacity Cathode Material with High Voltage for Li-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, 1705575.	11.1	333
48	Extended Electrochemical Window of Solid Electrolytes via Heterogeneous Multilayered Structure for High-Voltage Lithium Metal Batteries. <i>Advanced Materials</i> , 2019, 31, e1807789.	11.1	333
49	Free-Standing Hollow Carbon Fibers as High-Capacity Containers for Stable Lithium Metal Anodes. <i>Joule</i> , 2017, 1, 563-575.	11.7	329
50	Highly Dispersed RuO ₂ Nanoparticles on Carbon Nanotubes: Facile Synthesis and Enhanced Supercapacitance Performance. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2448-2451.	1.5	312
51	A Room-Temperature Reactive-Template Route to Mesoporous ZnGa ₂ O ₄ with Improved Photocatalytic Activity in Reduction of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6400-6404.	7.2	307
52	Designing Air-Stable O ₃ -Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2017, 139, 8440-8443.	6.6	303
53	Three-Dimensional Self-Organization of Supramolecular Self-Assembled Porphyrin Hollow Hexagonal Nanoprisms. <i>Journal of the American Chemical Society</i> , 2005, 127, 17090-17095.	6.6	302
54	Gold Hollow Nanospheres: Tunable Surface Plasmon Resonance Controlled by Interior-Cavity Sizes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7795-7800.	1.2	301

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55	Synthesis of MoS ₂ nanosheet-graphene nanosheet hybrid materials for stable lithium storage. <i>Chemical Communications</i> , 2013, 49, 1838.	2.2	293
56	Cu-Si Nanocable Arrays as High-Rate Anode Materials for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2011, 23, 4415-4420.	11.1	283
57	Ionothermal synthesis of sulfur-doped porous carbons hybridized with graphene as superior anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012, 48, 10663.	2.2	278
58	Research progress regarding Si-based anode materials towards practical application in high energy density Li-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1691-1708.	3.2	277
59	Degradation Chemistry and Stabilization of Exfoliated Few-Layer Black Phosphorus in Water. <i>Journal of the American Chemical Society</i> , 2018, 140, 7561-7567.	6.6	273
60	Engineering Janus Interfaces of Ceramic Electrolyte via Distinct Functional Polymers for Stable High-Voltage Li-Metal Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 9165-9169.	6.6	272
61	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on Ni ₃ B for Efficient Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6572-6577.	7.2	271
62	Introducing Dual Functional CNT Networks into CuO Nanomicrospheres toward Superior Electrode Materials for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2008, 20, 3617-3622.	3.2	270
63	Molecular Orientation and Ordered Structure of Benzenethiol Adsorbed on Gold(111). <i>Journal of Physical Chemistry B</i> , 2000, 104, 3563-3569.	1.2	266
64	Controlling the Compositional Chemistry in Single Nanoparticles for Functional Hollow Carbon Nanospheres. <i>Journal of the American Chemical Society</i> , 2017, 139, 13492-13498.	6.6	264
65	Engineering Hollow Carbon Architecture for High-Performance K-Ion Battery Anode. <i>Journal of the American Chemical Society</i> , 2018, 140, 7127-7134.	6.6	255
66	Insight into the Effect of Oxygen Vacancy Concentration on the Catalytic Performance of MnO ₂ . <i>ACS Catalysis</i> , 2015, 5, 4825-4832.	5.5	244
67	Synthesis of Monodispersed Wurtzite Structure CuInSe ₂ Nanocrystals and Their Application in High-Performance Organic-Inorganic Hybrid Photodetectors. <i>Journal of the American Chemical Society</i> , 2010, 132, 12218-12221.	6.6	242
68	Superior radical polymer cathode material with a two-electron process redox reaction promoted by graphene. <i>Energy and Environmental Science</i> , 2012, 5, 5221-5225.	15.6	241
69	Facile synthesis of MoS ₂ @CMK-3 nanocomposite as an improved anode material for lithium-ion batteries. <i>Nanoscale</i> , 2012, 4, 5868.	2.8	240
70	GeSe Thin-Film Solar Cells Fabricated by Self-Regulated Rapid Thermal Sublimation. <i>Journal of the American Chemical Society</i> , 2017, 139, 958-965.	6.6	238
71	Confined Synthesis of Two-Dimensional Covalent Organic Framework Thin Films within Superspreading Water Layer. <i>Journal of the American Chemical Society</i> , 2018, 140, 12152-12158.	6.6	231
72	Anisotropic Photoresponse Properties of Single Micrometer-Sized GeSe Nanosheet. <i>Advanced Materials</i> , 2012, 24, 4528-4533.	11.1	229

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73	In-situ plasticized polymer electrolyte with double-network for flexible solid-state lithium-metal batteries. <i>Energy Storage Materials</i> , 2018, 10, 85-91.	9.5	227
74	Polar Solvent Induced Lattice Distortion of Cubic CsPbI ₃ Nanocubes and Hierarchical Self-Assembly into Orthorhombic Single-Crystalline Nanowires. <i>Journal of the American Chemical Society</i> , 2018, 140, 11705-11715.	6.6	223
75	Embedding Pt Nanocrystals in N-Doped Porous Carbon/Carbon Nanotubes toward Highly Stable Electrocatalysts for the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2015, 5, 2903-2909.	5.5	221
76	Recent developments in electrode materials for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4334-4352.	5.2	214
77	Fabricating and Controlling Molecular Self-Organization at Solid Surfaces: Studies by Scanning Tunneling Microscopy. <i>Accounts of Chemical Research</i> , 2006, 39, 334-342.	7.6	211
78	Electrochemical (De)Lithiation of 1D Sulfur Chains in Li-S Batteries: A Model System Study. <i>Journal of the American Chemical Society</i> , 2015, 137, 2215-2218.	6.6	209
79	±-Fe ₂ O ₃ Nanostructures: Inorganic Salt-Controlled Synthesis and Their Electrochemical Performance toward Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16824-16829.	1.5	206
80	General Space-Confined On-Substrate Fabrication of Thickness-Adjustable Hybrid Perovskite Single-Crystalline Thin Films. <i>Journal of the American Chemical Society</i> , 2016, 138, 16196-16199.	6.6	205
81	Electrochemical Sensor for Detecting Ultratrace Nitroaromatic Compounds Using Mesoporous SiO ₂ -Modified Electrode. <i>Analytical Chemistry</i> , 2006, 78, 1967-1971.	3.2	204
82	Graphene-Like Single-Layered Covalent Organic Frameworks: Synthesis Strategies and Application Prospects. <i>Advanced Materials</i> , 2014, 26, 6912-6920.	11.1	200
83	Solid-Solution-Based Metal Alloy Phase for Highly Reversible Lithium Metal Anode. <i>Journal of the American Chemical Society</i> , 2020, 142, 8818-8826.	6.6	199
84	Mitigating Voltage Decay of Li-Rich Cathode Material via Increasing Ni Content for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20138-20146.	4.0	197
85	Atomic Structure of Adsorbed Sulfate on Rh(111) in Sulfuric Acid Solution. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9507-9513.	2.9	193
86	Symbiotic Coaxial Nanocables: Facile Synthesis and an Efficient and Elegant Morphological Solution to the Lithium Storage Problem. <i>Chemistry of Materials</i> , 2010, 22, 1908-1914.	3.2	193
87	Mitigating Interfacial Potential Drop of Cathode-Solid Electrolyte via Ionic Conductor Layer To Enhance Interface Dynamics for Solid Batteries. <i>Journal of the American Chemical Society</i> , 2018, 140, 6767-6770.	6.6	192
88	Steering elementary steps towards efficient alkaline hydrogen evolution via size-dependent Ni/NiO nanoscale heterosurfaces. <i>National Science Review</i> , 2020, 7, 27-36.	4.6	192
89	Construction and repair of highly ordered 2D covalent networks by chemical equilibrium regulation. <i>Chemical Communications</i> , 2012, 48, 2943.	2.2	188
90	Synergism of Al-containing solid electrolyte interphase layer and Al-based colloidal particles for stable lithium anode. <i>Nano Energy</i> , 2017, 36, 411-417.	8.2	187

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91	SnO ₂ -Based Hierarchical Nanomicrostructures: Facile Synthesis and Their Applications in Gas Sensors and Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14213-14219.	1.5	183
92	Rational Design of Anode Materials Based on Group IVA Elements (Si, Ge, and Sn) for Lithium-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1948-1958.	1.7	181
93	Air-Stable In-Plane Anisotropic GeSe ₂ for Highly Polarization-Sensitive Photodetection in Short Wave Region. <i>Journal of the American Chemical Society</i> , 2018, 140, 4150-4156.	6.6	180
94	Characterization of surface property of poly(lactide-co-glycolide) after oxygen plasma treatment. <i>Biomaterials</i> , 2004, 25, 4777-4783.	5.7	178
95	Electrospray Synthesis of Silicon/Carbon Nanoporous Microspheres as Improved Anode Materials for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14148-14154.	1.5	177
96	Template-Induced Inclusion Structures with Copper(II) Phthalocyanine and Coronene as Guests in Two-Dimensional Hydrogen-Bonded Host Networks. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5161-5165.	1.2	173
97	Microscopic Investigation of Grain Boundaries in Organolead Halide Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28518-28523.	4.0	173
98	Surface Confined Metallosupramolecular Architectures: Formation and Scanning Tunneling Microscopy Characterization. <i>Accounts of Chemical Research</i> , 2009, 42, 249-259.	7.6	172
99	Robust Expandable Carbon Nanotube Scaffold for Ultrahigh-Capacity Lithium-Metal Anodes. <i>Advanced Materials</i> , 2018, 30, e1800884.	11.1	171
100	Electrospun Silicon Nanoparticle/Porous Carbon Hybrid Nanofibers for Lithium-Ion Batteries. <i>Small</i> , 2013, 9, 2684-2688.	5.2	164
101	Biodegradable, Hydrogen Peroxide, and Glutathione Dual Responsive Nanoparticles for Potential Programmable Paclitaxel Release. <i>Journal of the American Chemical Society</i> , 2018, 140, 7373-7376.	6.6	161
102	Oriented Covalent Organic Framework Film on Graphene for Robust Ambipolar Vertical Organic Field-Effect Transistor. <i>Chemistry of Materials</i> , 2017, 29, 4367-4374.	3.2	160
103	The 2021 battery technology roadmap. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 183001.	1.3	158
104	In-Situ Loading of Noble Metal Nanoparticles on Hydroxyl-Group-Rich Titania Precursor and Their Catalytic Applications. <i>Chemistry of Materials</i> , 2007, 19, 4557-4562.	3.2	156
105	Antioxidative function and biodistribution of [Gd@C82(OH)22] _n nanoparticles in tumor-bearing mice. <i>Biochemical Pharmacology</i> , 2006, 71, 872-881.	2.0	152
106	Direct Evidence of Molecular Aggregation and Degradation Mechanism of Organic Light-Emitting Diodes under Joule Heating: An STM and Photoluminescence Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1675-1682.	1.2	151
107	Core-shell structured TiO ₂ @polydopamine for highly active visible-light photocatalysis. <i>Chemical Communications</i> , 2016, 52, 7122-7125.	2.2	151
108	Oriented Two-Dimensional Covalent Organic Framework Films for Near-Infrared Electrochromic Application. <i>Journal of the American Chemical Society</i> , 2019, 141, 19831-19838.	6.6	151

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109	Metastable Rock Salt Oxide-Mediated Synthesis of High-Density Dual-Protected M@NC for Long-Life Rechargeable Zinc-Air Batteries with Record Power Density. <i>Journal of the American Chemical Society</i> , 2020, 142, 7116-7127.	6.6	147
110	Facile synthesis of nanoporous anatase spheres and their environmental applications. <i>Chemical Communications</i> , 2008, , 1184.	2.2	146
111	Bridging Interparticle Li ⁺ Conduction in a Soft Ceramic Oxide Electrolyte. <i>Journal of the American Chemical Society</i> , 2021, 143, 5717-5726.	6.6	144
112	Well-dispersed bi-component-active CoO/CoFe ₂ O ₄ nanocomposites with tunable performances as anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012, 48, 410-412.	2.2	141
113	Rational design and electron transfer kinetics of MoS ₂ /CdS nanodots-on-nanorods for efficient visible-light-driven hydrogen generation. <i>Nano Energy</i> , 2016, 28, 319-329.	8.2	140
114	Direct tracking of the polysulfide shuttling and interfacial evolution in all-solid-state lithium-sulfur batteries: a degradation mechanism study. <i>Energy and Environmental Science</i> , 2019, 12, 2496-2506.	15.6	140
115	Uniform Nucleation of Lithium in 3D Current Collectors via Bromide Intermediates for Stable Cycling Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , 2018, 140, 18051-18057.	6.6	138
116	Photoacoustic Imaging Guided Near-Infrared Photothermal Therapy Using Highly Water-Dispersible Single-Walled Carbon Nanohorns as Theranostic Agents. <i>Advanced Functional Materials</i> , 2014, 24, 6621-6628.	7.8	137
117	Efficient 3D Conducting Networks Built by Graphene Sheets and Carbon Nanoparticles for High-Performance Silicon Anode. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2824-2828.	4.0	135
118	Infrared Absorption Enhancement for CO Adsorbed on Au Films in Perchloric Acid Solutions and Effects of Surface Structure Studied by Cyclic Voltammetry, Scanning Tunneling Microscopy, and Surface-Enhanced IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1999, 103, 2460-2466.	1.2	133
119	Orientational Phase Transition in a Pyridine Adlayer on Gold(111) in Aqueous Solution Studied by in Situ Infrared Spectroscopy and Scanning Tunneling Microscopy. <i>Langmuir</i> , 1998, 14, 6992-6998.	1.6	131
120	A robust composite of SnO ₂ hollow nanospheres enwrapped by graphene as a high-capacity anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 17456.	6.7	129
121	Building an Air Stable and Lithium Deposition Regulable Garnet Interface from Moderate-Temperature Conversion Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12069-12075.	7.2	128
122	In Situ One-Step Method for Preparing Carbon Nanotubes and Pt Composite Catalysts and Their Performance for Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11174-11179.	1.5	127
123	High-safety lithium-sulfur battery with prelithiated Si/C anode and ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2013, 91, 58-61.	2.6	127
124	A Two-Dimensional Hole-Transporting Material for High-Performance Perovskite Solar Cells with 20% Average Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10959-10965.	7.2	127
125	Interfacial Mechanism in Lithium-Sulfur Batteries: How Salts Mediate the Structure Evolution and Dynamics. <i>Journal of the American Chemical Society</i> , 2018, 140, 8147-8155.	6.6	125
126	Surface Stabilized Porphyrin and Phthalocyanine Two-Dimensional Network Connected by Hydrogen Bonds. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10838-10841.	1.2	122

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127	Hierarchical Nanowire Arrays as Three-Dimensional Fractal Nanobiointerfaces for High Efficient Capture of Cancer Cells. <i>Nano Letters</i> , 2016, 16, 766-772.	4.5	122
128	Controllable AuPt bimetallic hollow nanostructures. <i>Chemical Communications</i> , 2004, , 1496.	2.2	121
129	Structural Engineering of Multishelled Hollow Carbon Nanostructures for High-Performance Na-ion Battery Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1800855.	10.2	121
130	Better lithium-ion batteries with nanocable-like electrode materials. <i>Energy and Environmental Science</i> , 2011, 4, 1634.	15.6	119
131	Globally homochiral assembly of two-dimensional molecular networks triggered by co-absorbers. <i>Nature Communications</i> , 2013, 4, 1389.	5.8	119
132	Insight into the Interfacial Process and Mechanism in Lithium-Sulfur Batteries: An In Situ AFM Study. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15835-15839.	7.2	119
133	ITO@Cu ₂ S Tunnel Junction Nanowire Arrays as Efficient Counter Electrode for Quantum-Dot-Sensitized Solar Cells. <i>Nano Letters</i> , 2014, 14, 365-372.	4.5	118
134	Spin-coated silicon nanoparticle/graphene electrode as a binder-free anode for high-performance lithium-ion batteries. <i>Nano Research</i> , 2012, 5, 845-853.	5.8	117
135	Formation of Halogen Bond-Based 2D Supramolecular Assemblies by Electric Manipulation. <i>Journal of the American Chemical Society</i> , 2015, 137, 6128-6131.	6.6	117
136	Wurtzite Cu ₂ ZnSnSe ₄ nanocrystals for high-performance organic-inorganic hybrid photodetectors. <i>NPG Asia Materials</i> , 2012, 4, e2-e2.	3.8	116
137	In situ scanning tunneling microscopy of adsorbed sulfate on well-defined Pd(111) in sulfuric acid solution. <i>Journal of Electroanalytical Chemistry</i> , 2000, 484, 189-193.	1.9	115
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