Li Li

List of Publications by Citations

117 papers	6,810 citations	50 h-index	81 g-index
120 ext. papers	8,163 ext. citations	10.2 avg, IF	6.5 L-index

#	Paper	IF	Citations
117	Photocatalysts with internal electric fields. *Nanoscale*, **2014**, 6, 24-42	7.7	542
116	Recent progress on sodium ion batteries: potential high-performance anodes. *Energy and Environmental Science*, **2018**, 11, 2310-2340	35.4	425
115	Advances in non-enzymatic glucose sensors based on metal oxides. *Journal of Materials Chemistry B* , **2016**, 4, 7333-7349	7.3	252
114	Biomass derived interconnected hierarchical micro-meso-macro- porous carbon with ultrahigh capacitance for supercapacitors. *Carbon*, **2019**, 147, 540-549	10.4	208
113	Transition metal based battery-type electrodes in hybrid supercapacitors: A review. *Energy Storage Materials*, **2020**, 28, 122-145	19.4	199
112	Rapid microwave-assisted synthesis of Mn3O4graphene nanocomposite and its lithium storage properties. *Journal of Materials Chemistry*, **2012**, 22, 3600		168
111	An effective approach to protect lithium anode and improve cycle performance for Li-S batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 15542-9	9.5	143
110	Advanced High Energy Density Secondary Batteries with Multi-Electron Reaction Materials. *Advanced Science*, **2016**, 3, 1600051	13.6	141
109	A novel border-rich Prussian blue synthetized by inhibitor control as cathode for sodium ion batteries. *Nano Energy*, **2017**, 39, 273-283	17.1	133
108	Design of surface protective layer of LiF/FeF3 nanoparticles in Li-rich cathode for high-capacity Li-ion batteries. *Nano Energy*, **2015**, 15, 164-176	17.1	129
107	Bio-Nanotechnology in High-Performance Supercapacitors. *Advanced Energy Materials*, **2017**, 7, 1700592	21.8	126
106	Extreme ultraviolet resist materials for sub-7 nm patterning. *Chemical Society Reviews*, **2017**, 46, 4855-4866	36.5	124
105	Double Soft-Template Synthesis of Nitrogen/Sulfur-Codoped Hierarchically Porous Carbon Materials Derived from Protic Ionic Liquid for Supercapacitor. *ACS Applied Materials & Interfaces*, **2017**, 9, 26088-26095	9.5	114
104	Self-assembly of hierarchical star-like Co3O4 micro/nanostructures and their application in lithium ion batteries. *Nanoscale*, **2013**, 5, 1922-8	7.7	110
103	Poly(vinyl alcohol)-Assisted Fabrication of Hollow Carbon Spheres/Reduced Graphene Oxide Nanocomposites for High-Performance Lithium-Ion Battery Anodes. *ACS Nano*, **2018**, 12, 4824-4834	16.7	106
102	Chemical Inhibition Method to Synthesize Highly Crystalline Prussian Blue Analogs for Sodium-Ion Battery Cathodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 31669-31676	9.5	102
101	Green Synthesis of Fluorescent Carbon Dots from Gynostemma for Bioimaging and Antioxidant in Zebrafish. *ACS Applied Materials & Interfaces*, **2019**, 11, 9832-9840	9.5	100

100	SnSb@carbon nanocable anchored on graphene sheets for sodium ion batteries. *Nano Research*, **2014**, 7, 1466-1476	10	98
99	Surface Modification of Li-Rich Cathode Materials for Lithium-Ion Batteries with a PEDOT:PSS Conducting Polymer. *ACS Applied Materials & Interfaces*, **2016**, 8, 23095-104	9.5	91
98	An investigation of functionalized electrolyte using succinonitrile additive for high voltage lithium-ion batteries. *Journal of Power Sources*, **2016**, 306, 70-77	8.9	91
97	Synthesis of Mn3O4-anchored graphene sheet nanocomposites via a facile, fast microwave hydrothermal method and their supercapacitive behavior. *Electrochimica Acta*, **2013**, 87, 801-808	6.7	90
96	Scalable synthesis of self-standing sulfur-doped flexible graphene films as recyclable anode materials for low-cost sodium-ion batteries. *Carbon*, **2016**, 107, 67-73	10.4	89
95	Synthesis, characterization, and electrochemistry of cathode material Li[Li0.2Co0.13Ni0.13Mn0.54]O2 using organic chelating agents for lithium-ion batteries. *Journal of Power Sources*, **2013**, 228, 206-213	8.9	89
94	Porous Two-Dimensional Materials for Photocatalytic and Electrocatalytic Applications. *Matter*, **2020**, 2, 1377-1413	12.7	88
93	Advanced cathode materials for lithium-ion batteries using nanoarchitectonics. *Nanoscale Horizons*, **2016**, 1, 423-444	10.8	88
92	Trapping sulfur in hierarchically porous, hollow indented carbon spheres: a high-performance cathode for lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2016**, 4, 9526-9535	13	87
91	Hollow Sphere TiO2/ZrO2 Prepared by Self-Assembly with Polystyrene Colloidal Template for Both Photocatalytic Degradation and H2 Evolution from Water Splitting. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2037-2046	8.3	86
90	Dual templating fabrication of hierarchical porous three-dimensional ZnO/carbon nanocomposites for enhanced photocatalytic and photoelectrochemical activity. *Applied Catalysis B: Environmental*, **2018**, 222, 209-218	21.8	85
89	Ammonia-induced robust photocatalytic hydrogen evolution of graphitic carbon nitride. *Nanoscale*, **2015**, 7, 18887-90	7.7	82
88	Facile synthesis of a MoO2/Mo2C composite and its application as favorable anode material for lithium-ion batteries. *Journal of Power Sources*, **2016**, 307, 552-560	8.9	82
87	Electrostatic Self-Assembly of Sandwich-Like CoAl-LDH/Polypyrrole/Graphene Nanocomposites with Enhanced Capacitive Performance. *ACS Applied Materials & Interfaces*, **2017**, 9, 31699-31709	9.5	81
86	Visible light photochemical activity of heterostructured PbTiO3–TiO2 core–shell particles. *Catalysis Science and Technology*, **2012**, 2, 1945	5.5	81
85	Synthesis and electrochemical performance of cathode material Li1.2Co0.13Ni0.13Mn0.54O2 from spent lithium-ion batteries. *Journal of Power Sources*, **2014**, 249, 28-34	8.9	80
84	High performance hydrophilic pervaporation composite membranes for water desalination. *Desalination*, **2014**, 347, 199-206	10.3	80
83	Na2NixCo1−xFe(CN)6: A class of Prussian blue analogs with transition metal elements as cathode materials for sodium ion batteries. *Electrochemistry Communications*, **2015**, 59, 91-94	5.1	74

82	Preparation of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 16078-86	9.5	71
81	Heterostructured Ceramic Powders for Photocatalytic Hydrogen Production: Nanostructured TiO2 Shells Surrounding Microcrystalline (Ba,Sr)TiO3 Cores. *Journal of the American Ceramic Society*, **2012**, 95, 1414-1420	3.8	69
80	Construction of Z-scheme carbon nanodots/WO3 with highly enhanced photocatalytic hydrogen production. *Journal of Materials Chemistry A*, **2015**, 3, 8256-8259	13	68
79	Interconnected honeycomb-like porous carbon derived from plane tree fluff for high performance supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 10869-10877	13	68
78	Anisotropic thermal conductivity of graphene wrinkles. *Nanoscale*, **2014**, 6, 5703-7	7.7	63
77	Intramolecular hydrogen bonds quench photoluminescence and enhance photocatalytic activity of carbon nanodots. *Chemistry - A European Journal*, **2015**, 21, 8561-8	4.8	62
76	Synthesis of hollow GeO2 nanostructures, transformation into Ge@C, and lithium storage properties. *Journal of Materials Chemistry A*, **2013**, 1, 7666	13	62
75	Bio-inspired design of hierarchical PDMS microstructures with tunable adhesive superhydrophobicity. *Nanoscale*, **2015**, 7, 6151-8	7.7	57
74	Fabrication of Hierarchical Porous Carbon Nanoflakes for High-Performance Supercapacitors. *ACS Applied Materials & Interfaces*, **2017**, 9, 34944-34953	9.5	57
73	Sandwich-like graphene/polypyrrole/layered double hydroxide nanowires for high-performance supercapacitors. *Journal of Power Sources*, **2016**, 331, 67-75	8.9	54
72	Controllable synthesis of RGO/FexOy nanocomposites as high-performance anode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 9844-9850	13	53
71	Self-Regulative Nanogelator Solid Electrolyte: A New Option to Improve the Safety of Lithium Battery. *Advanced Science*, **2016**, 3, 1500306	13.6	52
70	Microwave/freeze casting assisted fabrication of carbon frameworks derived from embedded upholder in tremella for superior performance supercapacitors. *Energy Storage Materials*, **2019**, 18, 447-455	19.4	52
69	Studying the Mechanism of Hybrid Nanoparticle Photoresists: Effect of Particle Size on Photopatterning. *Chemistry of Materials*, **2015**, 27, 5027-5031	9.6	51
68	Facile synthesis of graphene□holybdenum dioxide and its lithium storage properties. *Journal of Materials Chemistry*, **2012**, 22, 16072		51
67	A novel fabrication strategy for doped hierarchical porous biomass-derived carbon with high microporosity for ultrahigh-capacitance supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 19939-19949	13	49
66	Surface Hydrophilicity and Structure of Hydrophilic Modified PVDF Membrane by Nonsolvent Induced Phase Separation and Their Effect on Oil/Water Separation Performance. *Industrial & Engineering Chemistry Research*, **2014**, 53, 6401-6408	3.9	49
65	Polyethylene-glycol-doped polypyrrole increases the rate performance of the cathode in lithium-sulfur batteries. *ChemSusChem*, **2013**, 6, 1438-44	8.3	49

64	Hierarchical carbon-coated acanthosphere-like Li4Ti5O12 microspheres for high-power lithium-ion batteries. *Journal of Power Sources*, **2016**, 314, 18-27	8.9	48
63	Surfactant-free self-assembly of reduced graphite oxide-MoO2 nanobelt composites used as electrode for lithium-ion batteries. *Electrochimica Acta*, **2016**, 211, 972-981	6.7	47
62	Visible-light photochemical activity of heterostructured core-shell materials composed of selected ternary titanates and ferrites coated by tiO2. *ACS Applied Materials & Interfaces*, **2013**, 5, 5064-71	9.5	47
61	Remarkable supercapacitor performance of petal-like LDHs vertically grown on graphene/polypyrrole nanoflakes. *Journal of Materials Chemistry A*, **2017**, 5, 8964-8971	13	41
60	Fabrication of Hierarchical Porous Carbon Frameworks from Metal-Ion-Assisted Step-Activation of Biomass for Supercapacitors with Ultrahigh Capacitance. *ACS Sustainable Chemistry and Engineering* , **2019**, 7, 10763-10772	8.3	40
59	Heterostructured (Ba,Sr)TiO3/TiO2 core/shell photocatalysts: Influence of processing and structure on hydrogen production. *International Journal of Hydrogen Energy*, **2013**, 38, 6948-6959	6.7	40
58	The design of underwater superoleophobic Ni/NiO microstructures with tunable oil adhesion. *Nanoscale*, **2015**, 7, 19293-9	7.7	37
57	A strongly coupled CoS2/ reduced graphene oxide nanostructure as an anode material for efficient sodium-ion batteries. *Journal of Alloys and Compounds*, **2017**, 726, 394-402	5.7	37
56	Combinatorial substrate epitaxy: A high-throughput method for determining phase and orientation relationships and its application to BiFeO3/TiO2 heterostructures. *Acta Materialia*, **2012**, 60, 6486-6493	8.4	36
55	Solubility studies of inorganic-organic hybrid nanoparticle photoresists with different surface functional groups. *Nanoscale*, **2016**, 8, 1338-43	7.7	35
54	Recent progress of phosphorus composite anodes for sodium/potassium ion batteries. *Energy Storage Materials*, **2021**, 34, 436-460	19.4	34
53	V2O5/Mesoporous Carbon Composite as a Cathode Material for Lithium-ion Batteries. *Electrochimica Acta*, **2015**, 173, 172-177	6.7	32
52	Influence of tunable pore size on photocatalytic and photoelectrochemical performances of hierarchical porous TiO2/C nanocomposites synthesized via dual-Templating. *Applied Catalysis B: Environmental*, **2018**, 224, 341-349	21.8	31
51	Stabilization of NaZn(BH4)3via nanoconfinement in SBA-15 towards enhanced hydrogen release. *Journal of Materials Chemistry A*, **2013**, 1, 250-257	13	30
50	Dual templated synthesis of tri-modal porous SrTiO3/TiO2@ carbon composites with enhanced photocatalytic activity. *Applied Catalysis A: General*, **2019**, 575, 132-141	5.1	29
49	Synthesis and Characterization of Cobalt-Doped WS2 Nanorods for Lithium Battery Applications. *Nanoscale Research Letters*, **2010**, 5, 1301-6	5	29
48	Preparation of octahedral CuO micro/nanocrystals and electrochemical performance as anode for lithium-ion battery. *Journal of Alloys and Compounds*, **2014**, 600, 162-167	5.7	27
47	A hierarchical Zn2Mo3O8 nanodots-porous carbon composite as a superior anode for lithium-ion batteries. *Chemical Communications*, **2016**, 52, 9402-5	5.8	26

46	Functionalization of polyacrylonitrile nanofiber using ATRP method for boric acid removal from aqueous solution. *Journal of Water Process Engineering*, **2014**, 3, 98-104	6.7	24
45	Ferroelectric Oxide Nanocomposites with Trimodal Pore Structure for High Photocatalytic Performance. *Nano-Micro Letters*, **2019**, 11, 37	19.5	23
44	Rational construction of MoS2/Mo2N/C hierarchical porous tubular nanostructures for enhanced lithium storage. *Journal of Materials Chemistry A*, **2019**, 7, 23886-23894	13	22
43	The effects of FEC (fluoroethylene carbonate) electrolyte additive on the lithium storage properties of NiO (nickel oxide) nanocuboids. *Energy*, **2013**, 58, 707-713	7.9	22
42	High visible light photocatalytic activities obtained by integrating g-C3N4 with ferroelectric PbTiO3. *Journal of Materials Science and Technology*, **2021**, 74, 128-135	9.1	21
41	Engineering High-Performance MoO -Based Nanomaterials with Supercapacity and Superhydrophobicity by Tuning the Raw Materials Source. *Small*, **2018**, 14, e1800480	11	21
40	Post-wrinkling analysis of a torsionally sheared annular thin film by using a compound series method. *International Journal of Mechanical Sciences*, **2016**, 110, 22-33	5.5	20
39	Poly(N,N-dimethylaminoethyl methacrylate) modification of a regenerated cellulose membrane using ATRP method for copper(II) ion removal. *RSC Advances*, **2013**, 3, 20625	3.7	20
38	Study on the polarity, solubility, and stacking characteristics of asphaltenes. *Fuel*, **2014**, 128, 366-372	7.1	20
37	Preparation and characterization of asymmetric polyarylene sulfide sulfone (PASS) solvent-resistant nanofiltration membranes. *Materials Letters*, **2014**, 132, 11-14	3.3	19
36	Characteristic performance of SnO/Sn/Cu6Sn5 three-layer anode for Li-ion battery. *Electrochimica Acta*, **2013**, 109, 46-51	6.7	19
35	Synthesis of Co-based Prussian Blue Analogues/Dual-Doped Hollow Carbon Microsphere Hybrids as High-Performance Bifunctional Electrocatalysts for Oxygen Evolution and Overall Water Splitting. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 8318-8326	8.3	17
34	Photocatalytic overall water splitting by graphitic carbon nitride. *Informa Materia*, **2021**, 3, 931-961	23.1	16
33	Oxide Nanoparticle EUV (ONE) Photoresists: Current Understanding of the Unusual Patterning Mechanism. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **2015**, 28, 515-518	0.7	15
32	Quantum dot heterostructure with directional charge transfer channels for high sodium storage. *Energy Storage Materials*, **2021**, 39, 278-286	19.4	15
31	Fabrication of hierarchical gecko-inspired microarrays using a three-dimensional porous nickel oxide template. *Journal of Materials Chemistry B*, **2015**, 3, 6571-6575	7.3	12
30	Boosting sodium storage performance of Mo2C via nitrogen-doped carbon sphere encapsulation and rGO wrapping. *Chemical Engineering Journal*, **2021**, 413, 127471	14.7	11
29	A novel fabrication approach for three-dimensional hierarchical porous metal oxide/carbon nanocomposites for enhanced solar photocatalytic performance. *Catalysis Science and Technology*, **2017**, 7, 1965-1970	5.5	10

28	Study on the dipole moment of asphaltene molecules through dielectric measuring. *Fuel*, **2015**, 140, 609-615	7.1	10
27	Influence of Ultrasonication Conditions on the Structure and Performance of Poly(vinylidene fluoride) Membranes Prepared by the Phase Inversion Method. *Industrial & Engineering Chemistry Research*, **2014**, 53, 8228-8234	3.9	10
26	The influence of polyamic acid molecular weight on the membrane structure and performance of polyimide solvent-resistant nanofiltration. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 777-785	3.5	10
25	Increasing sensitivity of oxide nanoparticle photoresists **2014**,		9
24	Overall Photocatalytic Water Splitting of Crystalline Carbon Nitride with Facet Engineering. *CheM*, **2020**, 6, 2439-2441	16.2	9
23	A durable half-metallic diatomic catalyst for efficient oxygen reduction. *Energy and Environmental Science*,	35.4	9
22	Facile fabrication of hierarchical micro-meso-macro porous metal oxide with high photochemical and electrochemical performances. *Applied Surface Science*, **2019**, 465, 672-677	6.7	8
21	Photocatalytic overall water splitting of carbon nitride by band-structure modulation. *Matter*, **2021**, 4, 1765-1767	12.7	7
20	Fabrication of High-Performance Biomass Derived Carbon/Metal Oxide Photocatalysts with Trilevel Hierarchical Pores from Organic–Inorganic Network. *Advanced Sustainable Systems*, **2019**, 3, 1800169	5.9	6
19	Influence of Surface Structure on the Capacity and Irreversible Capacity Loss of Sn-Based Anodes for Lithium Ion Batteries. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1857-1863	8.3	6
18	Mode jumping analysis of thin film secondary wrinkling. *International Journal of Mechanical Sciences* , **2015**, 104, 138-146	5.5	5
17	Advantageous Tubular Structure of Biomass-Derived Carbon for High-Performance Sodium Storage. *ACS Applied Energy Materials*, **2021**, 4, 4955-4965	6.1	5
16	Abnormal frequency characteristics of wrinkled graphene. *RSC Advances*, **2014**, 4, 9395	3.7	4
15	Electrochemical performances of Cu6Sn5-modified Sn anode with multi-layer structure for Li-ion cell. *RSC Advances*, **2013**, 3, 18339	3.7	4
14	Non-aqueous negative-tone development of inorganic metal oxide nanoparticle photoresists for next generation lithography **2013**,		4
13	Influence of Morphology and Structure on Electrochemical Performances of Li-Ion Battery Sn Anodes. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 5930-5935	2.3	4
12	Molten-salt synthesis of crystalline C3N4/C nanosheet with high sodium storage capability. *Chemical Engineering Journal*, **2021**, 425, 131591	14.7	4
11	Charge transfer resistance of copper and nickel thin film electrodes in nano dimensions. *Materials Letters*, **2017**, 198, 61-64	3.3	3

10	Investigation on the Oxidation and Reduction of Titanium in Molten Salt with the Soluble TiC Anode. *Metallurgical and Materials Transactions E*, **2015**, 2, 250-254		3
9	Synthesis of pH-responsive polyethylene terephthalate track-etched membranes by grafting hydroxyethyl-methacrylate using atom-transfer radical polymerization method. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	3
8	Charge transfer resistance of IB and VIB family electrodes in 1 M Na2SO4. *Materials Letters*, **2017**, 207, 187-189	3.3	2
7	Crystallinity Modulation of Electron Acceptor in One-Photon Excitation Pathway-Based Heterostructure for Visible-Light Photocatalysis. *Solar Rrl*,2100901	7.1	2
6	Relationships between Electrical Conductivity Variation and Coking Characteristics of Residue during Thermal Reaction through Online Equipment. *Energy & Fuels*, **2016**, 30, 5404-5410	4.1	2
5	New developments in ligand-stabilized metal oxide nanoparticle photoresists for EUV lithography **2015**,		1
4	Electrochemistry of Fe(III) in Molten Salt CaCl2-KF and CaCl2-CaF2-KF **2014**, 135-140		1
3	Molten salt assisted fabrication of ferroelectric BaTiO3 based cathode for high-performance lithium sulfur batteries. *Chemical Engineering Journal*, **2022**, 435, 135031	14.7	1
2	Fabrication of Metal-Doped Hierarchical Trimodal Porous Li3V2(PO4)3/C Composites with Enhanced Electrochemical Performances for Lithium-Ion Batteries. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 1468-1479	2.3	1
1	Construction of 3D porous MXene supercapacitor electrode through a dual-step freezing strategy. *Scripta Materialia*, **2022**, 213, 114605	5.6	1