

Li Li Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

22,714
citations

52
h-index

116
g-index

116
ext. papers

24,638
ext. citations

9.7
avg, IF

7.3
L-index

#	Paper	IF	Citations
110	A review of biomass-derived graphene and graphene-like carbons for electrochemical energy storage and conversion. <i>New Carbon Materials</i> , 2021 , 36, 350-372	4.4	11
109	Substrate Engineering for CVD Growth of Single Crystal Graphene.. <i>Small Methods</i> , 2021 , 5, e2001213	12.8	14
108	Atomically Dispersed Cobalt Trifunctional Electrocatalysts with Tailored Coordination Environment for Flexible Rechargeable Zn/Air Battery and Self-Driven Water Splitting. <i>Advanced Energy Materials</i> , 2020 , 10, 2002896	21.8	95
107	Cobalt sulfide nanoflakes grown on graphite foam for Na-ion batteries with ultrahigh initial coulombic efficiency. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14900-14907	13	12
106	Annealing modification of MXene films with mechanically strong structures and high electrochemical performance for supercapacitor applications. <i>Journal of Power Sources</i> , 2020 , 470, 228356	8.9	19
105	N-doped carbon sheets arrays embedded with CoP nanoparticles as high-performance cathode for Li-S batteries via triple synergistic effects. <i>Journal of Power Sources</i> , 2020 , 455, 227959	8.9	19
104	Photocatalytic degradation of cationic and anionic organic pollutants in water via Fe-g-C ₃ N ₄ /CF as a macroscopic photo-Fenton catalyst under visible light irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104219	6.8	7
103	Controllable fabrication of graphitic nanocarbon encapsulating Fe _x Ni _y hybrids for efficient splitting of water. <i>Journal of Alloys and Compounds</i> , 2020 , 829, 154421	5.7	1
102	Lotus root-like porous carbon for potassium ion battery with high stability and rate performance. <i>Journal of Power Sources</i> , 2020 , 466, 228303	8.9	13
101	Facile fabrication of flexible rGO/MXene hybrid fiber-like electrode with high volumetric capacitance. <i>Journal of Power Sources</i> , 2020 , 448, 227398	8.9	30
100	Boosting gravimetric and volumetric energy density via engineering macroporous MXene films for supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 395, 124057	14.7	40
99	Electrochemical Preparation of Lithium-Rich Graphite Anode for LiFePO ₄ Battery. <i>High Energy Chemistry</i> , 2020 , 54, 441-454	0.9	2
98	Effective Oxygen Reduction Reaction Performance of FeCo Alloys In Situ Anchored on Nitrogen-Doped Carbon by the Microwave-Assistant Carbon Bath Method and Subsequent Plasma Etching. <i>Nanomaterials</i> , 2019 , 9,	5.4	11
97	Synthesis of rich fluffy porous carbon spheres by dissolution/reassembly method for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 3316-3324	2.1	4
96	High efficient oxygen reduction performance of Fe/Fe ₃ C nanoparticles in situ encapsulated in nitrogen-doped carbon via a novel microwave-assisted carbon bath method. <i>Nano Materials Science</i> , 2019 , 1, 131-136	10.2	5
95	Improving Polysulfides Adsorption and Redox Kinetics by the Co N Nanoparticle/N-Doped Carbon Composites for Lithium-Sulfur Batteries. <i>Small</i> , 2019 , 15, e1901454	11	77
94	In Situ-Generated Supported Potassium Lactate: Stable Catalysis for Vapor-Phase Dehydration of Lactic Acid to Acrylic Acid. <i>ACS Omega</i> , 2019 , 4, 8146-8166	3.9	3

93	Simultaneous Immobilization and Conversion of Polysulfides on Co ₃ O ₄ @CoN Heterostructured Mediators toward High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2570-2578	6.1	13
92	Selection of graphene dopants for Na ₃ V ₂ (PO ₄) ₃ graphene composite as high rate, ultra long-life sodium-ion battery cathodes. <i>Electrochimica Acta</i> , 2019 , 306, 558-567	6.7	19
91	Unraveling the Potassium Storage Mechanism in Graphite Foam. <i>Advanced Energy Materials</i> , 2019 , 9, 1900579	21.8	86
90	A general strategy for in-situ fabrication of uniform carbon nanotubes on three-dimensional carbon architectures for electrochemical application. <i>Applied Surface Science</i> , 2019 , 496, 143704	6.7	9
89	Nitrogen and Sulfur Co-Doped Graphene-Like Carbon from Industrial Dye Wastewater for Use as a High-Performance Supercapacitor Electrode. <i>Global Challenges</i> , 2019 , 3, 1900043	4.3	9
88	A Review on the Promising Plasma-Assisted Preparation of Electrocatalysts. <i>Nanomaterials</i> , 2019 , 9,	5.4	15
87	Conversion of waste plastic into ordered mesoporous carbon for electrochemical applications. <i>Journal of Materials Research</i> , 2019 , 34, 941-949	2.5	6
86	Low-Charge-Carrier-Scattering Three-Dimensional MnO ₂ /MnO ₂ Networks for Ultra-High-Rate Asymmetrical Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1051-1059	6.1	23
85	Template-free method for fabricating carbon nanotube combined with thin N-doped porous carbon composite for supercapacitor. <i>Journal of Materials Science</i> , 2019 , 54, 6451-6460	4.3	16
84	Controllable synthesis of MnO ₂ nanostructures anchored on graphite foam with different morphologies for a high-performance asymmetric supercapacitor. <i>CrystEngComm</i> , 2018 , 20, 1690-1697	3.3	31
83	Structural Directed Growth of Ultrathin Parallel Birnessite on MnO for High-Performance Asymmetric Supercapacitors. <i>ACS Nano</i> , 2018 , 12, 1033-1042	16.7	364
82	Porous Carbon Nanosheets Prepared from Plastic Wastes for Supercapacitors. <i>Journal of Electronic Materials</i> , 2018 , 47, 5816-5824	1.9	6
81	Construction of vertically aligned PPy nanosheets networks anchored on MnCo ₂ O ₄ nanobelts for high-performance asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2018 , 393, 169-176	8.9	54
80	Synthesis of Three-Dimensional Hierarchically Porous Carbon Monolith via Pyrolysis-Capture Strategy for Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A2415-A2420	3.9	4
79	Recent progress in hierarchically structured O ₂ -cathodes for Li-O ₂ batteries. <i>Chemical Engineering Journal</i> , 2018 , 352, 972-995	14.7	39
78	Advanced Energy Storage Devices: Basic Principles, Analytical Methods, and Rational Materials Design. <i>Advanced Science</i> , 2018 , 5, 1700322	13.6	630
77	Fe ₃ O ₄ /Fe ₃ C@Nitrogen-Doped Carbon for Enhancing Oxygen Reduction Reaction. <i>ChemNanoMat</i> , 2018 , 5, 187	3.5	6
76	N-Doped Mesoporous Carbon Sheets/Hollow Carbon Spheres Composite for Supercapacitors. <i>Langmuir</i> , 2018 , 34, 15665-15673	4	21

75	Double-Shelled Phosphorus and Nitrogen Codoped Carbon Nanospheres as Efficient Polysulfide Mediator for High-Performance Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2018 , 5, 1800621	13.6	65
74	Synthesis of mesoporous tubular carbon using natural tubular Halloysite as template for supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 12187-12194	2.1	7
73	Luminogen-functionalized mesoporous SBA-15 for fluorescent detection of antibiotic cefalexin. <i>Journal of Materials Research</i> , 2018 , 33, 1442-1448	2.5	4
72	Fabrication of mesoporous gold networks@MnO ₂ for high-performance supercapacitors. <i>Gold Bulletin</i> , 2017 , 50, 61-68	1.6	7
71	Few-Layered Trigonal WS Nanosheet-Coated Graphite Foam as an Efficient Free-Standing Electrode for a Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30591-30598	9.5	42
70	Fe modified mesoporous hollow carbon spheres for selective oxidation of ethylbenzene. <i>Science China Materials</i> , 2017 , 60, 1227-1233	7.1	12
69	Selective conversion of lactic acid to acrylic acid over alkali and alkaline-earth metal co-modified NaY zeolites. <i>Catalysis Science and Technology</i> , 2017 , 7, 6101-6111	5.5	20
68	Waste chrysanthemum tea derived hierarchically porous carbon for CO ₂ capture. <i>Journal of Renewable and Sustainable Energy</i> , 2017 , 9, 064901	2.5	7
67	Liquid-Solid-Solution Assembly of CoFe ₂ O ₄ /Graphene Nanocomposite as a High-Performance Lithium-Ion Battery Anode. <i>Electrochimica Acta</i> , 2016 , 215, 247-252	6.7	35
66	Enhanced rate capability of a lithium ion battery anode based on liquid-solid-solution assembly of Fe ₂ O ₃ on crumpled graphene. <i>RSC Advances</i> , 2016 , 6, 9007-9012	3.7	18
65	Recent advances in graphene-based hybrid nanostructures for electrochemical energy storage. <i>Nanoscale Horizons</i> , 2016 , 1, 340-374	10.8	79
64	Graphene-supported non-precious metal electrocatalysts for oxygen reduction reactions: the active center and catalytic mechanism. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7148-7154	13	13
63	Aqueous Rechargeable Alkaline Co _x Ni _{2-x} S ₂ /TiO ₂ Battery. <i>ACS Nano</i> , 2016 , 10, 1007-16	16.7	108
62	Nitrogen-Doped Banana Peel-Derived Porous Carbon Foam as Binder-Free Electrode for Supercapacitors. <i>Nanomaterials</i> , 2016 , 6,	5.4	44
61	Tailoring the Electrode Interface with Enhanced Electron Transfer for High-Rate Lithium-Ion Battery Anodes. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 6643-6648	3.9	3
60	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. <i>Energy and Environmental Science</i> , 2016 , 9, 1891-1930	35.4	181
59	Dehydration of lactic acid to acrylic acid over lanthanum phosphate catalysts: the role of Lewis acid sites. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23746-54	3.6	23
58	Rational design of polyaniline/MnO ₂ /carbon cloth ternary hybrids as electrodes for supercapacitors. <i>RSC Advances</i> , 2015 , 5, 66311-66317	3.7	31

57	Large area CVD growth of graphene. <i>Synthetic Metals</i> , 2015 , 210, 95-108	3.6	140
56	Hierarchical Cu ₂ O/CuO/Co ₃ O ₄ core-shell nanowires: synthesis and electrochemical properties. <i>Nanotechnology</i> , 2015 , 26, 304002	3.4	131
55	In Situ Activation of Nitrogen-Doped Graphene Anchored on Graphite Foam for a High-Capacity Anode. <i>ACS Nano</i> , 2015 , 9, 8609-16	16.7	103
54	Binder-free activated graphene compact films for all-solid-state micro-supercapacitors with high areal and volumetric capacitances. <i>Energy Storage Materials</i> , 2015 , 1, 119-126	19.4	70
53	Binary metal sulfides and polypyrrole on vertically aligned carbon nanotube arrays/carbon fiber paper as high-performance electrodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22043-22052	13	33
52	MnO ₂ -based nanostructures for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21380-21423	13	655
51	Two-dimensional SnS ₂ @PANI nanoplates with high capacity and excellent stability for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3659-3666	13	110
50	Rigid three-dimensional Ni ₃ S ₄ nanosheet frames: controlled synthesis and their enhanced electrochemical performance. <i>RSC Advances</i> , 2015 , 5, 8422-8426	3.7	64
49	Facile synthesis of ultrathin manganese dioxide nanosheets arrays on nickel foam as advanced binder-free supercapacitor electrodes. <i>Journal of Power Sources</i> , 2015 , 277, 36-43	8.9	138
48	High Electrochemical Performance of LiFePO ₄ Cathode Material via In-Situ Microwave Exfoliated Graphene Oxide. <i>Electrochimica Acta</i> , 2015 , 151, 240-248	6.7	35
47	Rational Design of Porous MnO ₂ Tubular Arrays via Facile and Templated Method for High Performance Supercapacitors. <i>Electrochimica Acta</i> , 2015 , 154, 329-337	6.7	49
46	Self-assembly of mesoporous nanotubes assembled from interwoven ultrathin birnessite-type MnO ₂ nanosheets for asymmetric supercapacitors. <i>Scientific Reports</i> , 2014 , 4, 3878	4.9	248
45	Sulfurized activated carbon for high energy density supercapacitors. <i>Journal of Power Sources</i> , 2014 , 252, 90-97	8.9	114
44	Facile synthesis of hierarchical Co ₃ O ₄ @MnO ₂ core-shell arrays on Ni foam for asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2014 , 252, 98-106	8.9	307
43	Capacitance of carbon-based electrical double-layer capacitors. <i>Nature Communications</i> , 2014 , 5, 3317	17.4	463
42	Overwhelming microwave irradiation assisted synthesis of olivine-structured LiMPO ₄ (M=Fe, Mn, Co and Ni) for Li-ion batteries. <i>Nano Energy</i> , 2014 , 3, 64-79	17.1	52
41	Controllable seeding of single crystal graphene islands from graphene oxide flakes. <i>Carbon</i> , 2014 , 79, 406-412	10.4	23
40	Mechanism studies of LiFePO ₄ cathode material: lithiation/delithiation process, electrochemical modification and synthetic reaction. <i>RSC Advances</i> , 2014 , 4, 54576-54602	3.7	34

39	High-performance flexible asymmetric supercapacitors based on a new graphene foam/carbon nanotube hybrid film. <i>Energy and Environmental Science</i> , 2014 , 7, 3709-3719	35.4	506
38	A flexible alkaline rechargeable Ni/Fe battery based on graphene foam/carbon nanotubes hybrid film. <i>Nano Letters</i> , 2014 , 14, 7180-7	11.5	309
37	Graphene-encapsulated Si on ultrathin-graphite foam as anode for high capacity lithium-ion batteries. <i>Advanced Materials</i> , 2013 , 25, 4673-7	24	291
36	Solution-based production of graphene nano-platelets containing extremely low amounts of heteroatoms. <i>Solid State Sciences</i> , 2013 , 25, 1-5	3.4	9
35	Bimetallic ruthenium-copper nanoparticles embedded in mesoporous carbon as an effective hydrogenation catalyst. <i>Nanoscale</i> , 2013 , 5, 11044-50	7.7	25
34	A composite electrode consisting of nickel hydroxide, carbon nanotubes, and reduced graphene oxide with an ultrahigh electrocapacitance. <i>Journal of Power Sources</i> , 2013 , 222, 326-332	8.9	103
33	Volumetric capacitance of compressed activated microwave-expanded graphite oxide (a-MEGO) electrodes. <i>Nano Energy</i> , 2013 , 2, 764-768	17.1	174
32	Generation of B-doped graphene nanoplatelets using a solution process and their supercapacitor applications. <i>ACS Nano</i> , 2013 , 7, 19-26	16.7	471
31	Outstanding performance of activated graphene based supercapacitors in ionic liquid electrolyte from 0 to 80 °C. <i>Nano Energy</i> , 2013 , 2, 403-411	17.1	276
30	Advanced porous carbon electrodes for electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9395	13	141
29	Copper nanocrystal modified activated carbon for supercapacitors with enhanced volumetric energy and power density. <i>Journal of Power Sources</i> , 2013 , 236, 215-223	8.9	34
28	Nanoporous Ni(OH) ₂ thin film on 3D Ultrathin-graphite foam for asymmetric supercapacitor. <i>ACS Nano</i> , 2013 , 7, 6237-43	16.7	925
27	Highly conductive and porous activated reduced graphene oxide films for high-power supercapacitors. <i>Nano Letters</i> , 2012 , 12, 1806-12	11.5	782
26	Nitrogen doping of graphene and its effect on quantum capacitance, and a new insight on the enhanced capacitance of N-doped carbon. <i>Energy and Environmental Science</i> , 2012 , 5, 9618	35.4	307
25	Improved electrical conductivity of graphene films integrated with metal nanowires. <i>Nano Letters</i> , 2012 , 12, 5679-83	11.5	263
24	Ultrathin graphite foam: a three-dimensional conductive network for battery electrodes. <i>Nano Letters</i> , 2012 , 12, 2446-51	11.5	360
23	Incorporation of manganese dioxide within ultraporous activated graphene for high-performance electrochemical capacitors. <i>ACS Nano</i> , 2012 , 6, 5404-12	16.7	323
22	Preparation of activated graphene and effect of activation parameters on electrochemical capacitance. <i>Carbon</i> , 2012 , 50, 3482-3485	10.4	75

21	The Control of Attached Acid Groups on Sulfonated Polystyrene Nanospheres through the Design of Material Structure. <i>Applied Mechanics and Materials</i> , 2012 , 182-183, 222-231	0.3	
20	Electrochemical Properties of Nitrogen-Enriched Templated Microporous Carbons in Different Aqueous Electrolytes. <i>Advanced Materials Research</i> , 2012 , 571, 27-37	0.5	
19	Graphene-CdS Composites with Visible-Light Photocatalytic Activity in Degrading Methylene Blue. <i>Nanoscience and Nanotechnology - Asia</i> , 2012 , 2, 79-89	0.7	2
18	Supercapacitors: Electrode Materials Aspects 2011 ,		2
17	Pyrolyzed graphene oxide/resorcinol-formaldehyde resin composites as high-performance supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2663		78
16	Surfactant-intercalated, chemically reduced graphene oxide for high performance supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7302		243
15	Visible-light-induced dye degradation over copper-modified reduced graphene oxide. <i>Chemistry - A European Journal</i> , 2011 , 17, 2428-34	4.8	74
14	Sulfonic-acid-functionalized porous benzene phenol polymer and carbon for catalytic esterification of methanol with acetic acid. <i>Catalysis Today</i> , 2011 , 166, 53-59	5.3	17
13	Mesoporous carbon nanospheres with an excellent electrocapacitive performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2274-2281		153
12	Supercapacitors: Electrode Materials Aspects 2011 ,		3
11	Preparation and Characterization of Peanut Shell-Based Microporous Carbons as Electrode Materials for Supercapacitors. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2011 , 27, 2836-2840	3.8	24
10	Template Synthesis of Tubular Ruthenium Oxides for Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13608-13613	3.8	121
9	Photocatalytic degradation of dyes over graphene-gold nanocomposites under visible light irradiation. <i>Chemical Communications</i> , 2010 , 46, 6099-101	5.8	480
8	Pillaring chemically exfoliated graphene oxide with carbon nanotubes for photocatalytic degradation of dyes under visible light irradiation. <i>ACS Nano</i> , 2010 , 4, 7030-6	16.7	229
7	Graphene-Wrapped Fe ₃ O ₄ Anode Material with Improved Reversible Capacity and Cyclic Stability for Lithium Ion Batteries. <i>Chemistry of Materials</i> , 2010 , 22, 5306-5313	9.6	1660
6	Layered graphene oxide nanostructures with sandwiched conducting polymers as supercapacitor electrodes. <i>Langmuir</i> , 2010 , 26, 17624-8	4	361
5	Enhancement of Electrochemical Performance of Macroporous Carbon by Surface Coating of Polyaniline. <i>Chemistry of Materials</i> , 2010 , 22, 1195-1202	9.6	146
4	Graphene/Polyaniline Nanofiber Composites as Supercapacitor Electrodes. <i>Chemistry of Materials</i> , 2010 , 22, 1392-1401	9.6	1884

- 3 Graphene-based materials as supercapacitor electrodes. *Journal of Materials Chemistry*, **2010**, 20, 5983 1171
- 2 Manganese oxide/carbon composite as supercapacitor electrode materials. *Microporous and Mesoporous Materials*, **2009**, 123, 260-267 53 139
- 1 Carbon-based materials as supercapacitor electrodes. *Chemical Society Reviews*, **2009**, 38, 2520-31 58.5 5357