Linjie Zhi

List of Publications by Year
in descending order

103	24,507	18436 62	30848 102
papers	citations	h-index	g-index

106	106	106	28043
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An orientated mass transfer in Ni-Cu tandem nanofibers for highly selective reduction of CO2 to ethanol. Fundamental Research, 2023, 3, 786-795.	1.6	3
2	Inside-out dual-doping effects on tubular catalysts: Structural and chemical variation for advanced oxygen reduction performance. Nano Research, 2022, 15, 361-367.	5.8	18
3	Maximizing pore and heteroatom utilization within N,P-co-doped polypyrrole-derived carbon nanotubes for high-performance supercapacitors. Journal of Materials Chemistry A, 2020, 8, 17558-17567.	5.2	64
4	N,P co-doped hollow carbon nanofiber membranes with superior mass transfer property for trifunctional metal-free electrocatalysis. Nano Energy, 2019, 64, 103879.	8.2	110
5	Ultrafast-Charging Silicon-Based Coral-Like Network Anodes for Lithium-Ion Batteries with High Energy and Power Densities. ACS Nano, 2019, 13, 2307-2315.	7.3	115
6	Chemical tailoring of one-dimensional polypyrene nanocapsules at a molecular level: towards ideal sulfur hosts for high-performance Liâ€“S batteries. Journal of Materials Chemistry A, 2019, 7, 2009-2014.	5.2	10
7	Halbach array assisted assembly of orderly aligned nickel nanowire networks as transparent conductive films. Nanotechnology, 2019, 30, 355301.	1.3	15
8	A hierarchical layering design for stable, self-restrained and high volumetric binder-free lithium storage. Nanoscale, 2019, 11, 21728-21732.	2.8	8
9	Sp2-carbon dominant carbonaceous materials for energy conversion and storage. Materials Science and Engineering Reports, 2019, 137, 1-37.	14.8	25
10	Dimensionally Designed Carbonâ€“Silicon Hybrids for Lithium Storage. Advanced Functional Materials, 2019, 29, 1806061.	7.8	140
11	Rational Design of Carbonâ€Rich Materials for Energy Storage and Conversion. Advanced Materials, 2019, 31, e1804973.	11.1	74
12	Grapheneâ€Based Transparent Conductive Films: Material Systems, Preparation and Applications. Small Methods, 2019, 3, 1800199.	4.6	135
13	Graphene hybridization for energy storage applications. Chemical Society Reviews, 2018, 47, 3189-3216.	18.7	297
14	Nitrogenâ€Enriched Carbon/CNT Composites Based on Schiffâ€Base Networks: Ultrahigh N Content and Enhanced Lithium Storage Properties. Small, 2018, 14, e1703569.	5.2	31
15	A facile Schiff base chemical approach: towards molecular-scale engineering of N-C interface for high performance lithium-sulfur batteries. Nano Energy, 2018, 46, 365-371.	8.2	32
16	WS2 nanoplates embedded in graphitic carbon nanotubes with excellent electrochemical performance for lithium and sodium storage. Science China Materials, 2018, 61, 671-678.	3.5	29
17	Controllable growth of SnS₂ nanostructures on nanocarbon surfaces for lithium-ion and sodium-ion storage with high rate capability. Journal of Materials Chemistry A, 2018, 6, 1462-1472.	5.2	117
18	Catalytic Effects in Lithiumâ€“Sulfur Batteries: Promoted Sulfur Transformation and Reduced Shuttle Effect. Advanced Science, 2018, 5, 1700270.	5.6	669

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19	A facile and processable integration strategy towards Schiff-base polymer-derived carbonaceous materials with high lithium storage performance. Nanoscale, 2018, 10, 10351-10356.	2.8	15
20	Scallopâ€Inspired Shell Engineering of Microparticles for Stable and High Volumetric Capacity Battery Anodes. Small, 2018, 14, e1800752.	5.2	27
21	Fast tuning of covalent triazine frameworks for photocatalytic hydrogen evolution. Chemical Communications, 2017, 53, 5854-5857.	2.2	206
22	A Facile Reduction Method for Rollâ€toâ€Roll Production of High Performance Grapheneâ€Based Transparent Conductive Films. Advanced Materials, 2017, 29, 1605028.	11.1	70
23	Shape Control of Periodic Metallic Nanostructures for Transparent Conductive Films. Particle and Particle Systems Characterization, 2017, 34, 1600262.	1.2	17
24	Graphenal Polymers for Energy Storage Studies. , 2017, , .		0
25	All-biomaterial supercapacitor derived from bacterial cellulose. Nanoscale, 2016, 8, 9146-9150.	2.8	97
26	Spatially Interlinked Graphene with Uniformly Loaded Sulfur for High Performance Liâ€S Batteries. Chinese Journal of Chemistry, 2016, 34, 41-45.	2.6	11
27	Direct Chemical-Vapor-Deposition-Fabricated, Large-Scale Graphene Glass with High Carrier Mobility and Uniformity for Touch Panel Applications. ACS Nano, 2016, 10, 11136-11144.	7.3	69
28	Reversible Functionalization: A Scalable Way to Deliver the Structure and Interface of Graphene for Different Macro Applications. Advanced Materials Interfaces, 2016, 3, 1500842.	1.9	4
29	Carbonâ€Networkâ€Integrated SnSiO_x₊₂ Nanofiber Sheathed by Ultrathin Graphitic Carbon for Highly Reversible Lithium Storage. Advanced Energy Materials, 2016, 6, 1502495.	10.2	18
30	Controlled functionalization of graphene with carboxyl moieties toward multiple applications. RSC Advances, 2016, 6, 58561-58565.	1.7	6
31	Tin nanoparticles encapsulated in graphene backboned carbonaceous foams as high-performance anodes for lithium-ion and sodium-ion storage. Nano Energy, 2016, 22, 232-240.	8.2	136
32	Graphene-templated formation of 3D tin-based foams for lithium ion storage applications with a long lifespan. Journal of Materials Chemistry A, 2016, 4, 362-367.	5.2	25
33	Controllable Synthesis of Tetraethylenepentamine Modified Graphene Foam (TEPA-GF) for the Removal of Lead ions. Scientific Reports, 2015, 5, 16730.	1.6	14
34	Freestanding carbon-coated CNT/Sn(O₂) coaxial sponges with enhanced lithium-ion storage capability. Nanoscale, 2015, 7, 20380-20385.	2.8	20
35	Porous layer-stacking carbon derived from in-built template in biomass for high volumetric performance supercapacitors. Nano Energy, 2015, 12, 141-151.	8.2	540
36	Approaching the Downsizing Limit of Silicon for Surfaceâ€Controlled Lithium Storage. Advanced Materials, 2015, 27, 1526-1532.	11.1	110

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37	Facile Synthesis of Zn_{0.5}Cd_{0.5}S Ultrathin Nanorods on Reduced Graphene Oxide for Enhanced Photocatalytic Hydrogen Evolution under Visible Light. ChemCatChem, 2015, 7, 609-615.	1.8	42
38	Facile Synthesis of Zn0.5Cd0.5S Ultrathin Nanorods on Reduced Graphene Oxide for Enhanced Photocatalytic Hydrogen Evolution under Visible Light. ChemCatChem, 2015, 7, 537-537.	1.8	1
39	Bottomâ€Up Construction of Triazineâ€Based Frameworks as Metalâ€Free Electrocatalysts for Oxygen Reduction Reaction. Advanced Materials, 2015, 27, 3190-3195.	11.1	167
40	Controlled synthesis of Zn_xCd_{1â^'x}S nanorods and their composite with RGO for high-performance visible-light photocatalysis. RSC Advances, 2015, 5, 27829-27836.	1.7	22
41	Conversion of amorphous polymer networks to covalent organic frameworks under ionothermal conditions: a facile synthesis route for covalent triazine frameworks. Journal of Materials Chemistry A, 2015, 3, 24422-24427.	5.2	91
42	High-Performance Silicon Battery Anodes Enabled by Engineering Graphene Assemblies. Nano Letters, 2015, 15, 6222-6228.	4.5	173
43	Hydrogen reduced graphene oxide/metal grid hybrid film: towards high performance transparent conductive electrode for flexible electrochromic devices. Carbon, 2015, 81, 232-238.	5.4	91
44	Structural Evolution of 2D Microporous Covalent Triazine-Based Framework toward the Study of High-Performance Supercapacitors. Journal of the American Chemical Society, 2015, 137, 219-225.	6.6	390
45	Design and construction of three dimensional graphene-based composites for lithium ion battery applications. Energy and Environmental Science, 2015, 8, 456-477.	15.6	243
46	High-quality graphene grown directly on stainless steel meshes through CVD process for enhanced current collectors of supercapacitors. Science China Technological Sciences, 2014, 57, 259-263.	2.0	16
47	A fast room-temperature strategy for direct reduction of graphene oxide films towards flexible transparent conductive films. Journal of Materials Chemistry A, 2014, 2, 10969-10973.	5.2	31
48	Mass Production of Multiâ€Channeled Porous Carbon Nanofibers and Their Application as Binderâ€Free Electrodes for Highâ€Performance Supercapacitors. Small, 2014, 10, 4671-4676.	5.2	42
49	Rational design of MoS₂@graphene nanocables: towards high performance electrode materials for lithium ion batteries. Energy and Environmental Science, 2014, 7, 3320-3325.	15.6	218
50	Au@MnO₂ Coreâ€“Shell Nanomesh Electrodes for Transparent Flexible Supercapacitors. Small, 2014, 10, 4136-4141.	5.2	93
51	A novel SnS₂@graphene nanocable network for high-performance lithium storage. RSC Advances, 2014, 4, 23372-23376.	1.7	44
52	Graphenal Polymers for Energy Storage. Small, 2014, 10, 2122-2135.	5.2	35
53	Managing voids of Si anodes in lithium ion batteries. Nanoscale, 2013, 5, 8864.	2.8	52
54	One-dimensional/two-dimensional hybridization for self-supported binder-free silicon-based lithium ion battery anodes. Nanoscale, 2013, 5, 1470.	2.8	80

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55	Reduced Graphene Oxide Nanoribbon Networks: A Novel Approach towards Scalable Fabrication of Transparent Conductive Films. Small, 2013, 9, 820-824.	5.2	26
56	Adaptable Siliconâ€“Carbon Nanocables Sandwiched between Reduced Graphene Oxide Sheets as Lithium Ion Battery Anodes. ACS Nano, 2013, 7, 1437-1445.	7.3	392
57	Hydrogen-induced effects on the CVD growth of high-quality graphene structures. Nanoscale, 2013, 5, 8363.	2.8	54
58	Pyrolyzed Bacterial Cellulose: A Versatile Support for Lithium Ion Battery Anode Materials. Small, 2013, 9, 2399-2404.	5.2	158
59	Contactâ€Engineered and Voidâ€Involved Silicon/Carbon Nanohybrids as Lithiumâ€Ionâ€Battery Anodes. Advanced Materials, 2013, 25, 3560-3565.	11.1	227
60	Carbonaceous Electrode Materials for Supercapacitors. Advanced Materials, 2013, 25, 3899-3904.	11.1	625
61	Intertwined Network of Si/C Nanocables and Carbon Nanotubes as Lithium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2013, 5, 6467-6472.	4.0	50
62	In-Situ Preparation of Boron-Doped Carbons with Ordered Mesopores and Enhanced Electrochemical Properties in Supercapacitors. Journal of the Electrochemical Society, 2012, 159, E177-E182.	1.3	38
63	Renewing Functionalized Graphene as Electrodes for Highâ€Performance Supercapacitors. Advanced Materials, 2012, 24, 6348-6355.	11.1	394
64	Graphene nanostructures toward clean energy technology applications. Wiley Interdisciplinary Reviews: Energy and Environment, 2012, 1, 317-336.	1.9	30
65	Two dimensional grapheneâ€“SnS₂hybrids with superior rate capability for lithium ion storage. Energy and Environmental Science, 2012, 5, 5226-5230.	15.6	386
66	The dimensionality of Sn anodes in Li-ion batteries. Materials Today, 2012, 15, 544-552.	8.3	222
67	Terephthalonitrile-derived nitrogen-rich networks for high performance supercapacitors. Energy and Environmental Science, 2012, 5, 9747.	15.6	171
68	Chemical Approaches toward Grapheneâ€Based Nanomaterials and their Applications in Energyâ€Related Areas. Small, 2012, 8, 630-646.	5.2	368
69	Highâ€Efficiency and Roomâ€Temperature Reduction of Graphene Oxide: A Facile Green Approach Towards Flexible Graphene Films. Small, 2012, 8, 1180-1184.	5.2	36
70	Advanced Asymmetric Supercapacitors Based on Ni(OH)₂/Graphene and Porous Graphene Electrodes with High Energy Density. Advanced Functional Materials, 2012, 22, 2632-2641.	7.8	1,855
71	Efficient Synthesis of Heteroatom (N or S)â€Doped Graphene Based on Ultrathin Graphene Oxideâ€Porous Silica Sheets for Oxygen Reduction Reactions. Advanced Functional Materials, 2012, 22, 3634-3640.	7.8	1,180
72	Rodâ€Coating: Towards Largeâ€Area Fabrication of Uniform Reduced Graphene Oxide Films for Flexible Touch Screens. Advanced Materials, 2012, 24, 2874-2878.	11.1	285

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73	Grapheneâ€Confined Sn Nanosheets with Enhanced Lithium Storage Capability. Advanced Materials, 2012, 24, 3538-3543.	11.1	271
74	Templateâ€Directed Synthesis of Pillaredâ€Porous Carbon Nanosheet Architectures: Highâ€Performance Electrode Materials for Supercapacitors. Advanced Energy Materials, 2012, 2, 419-424.	10.2	267
75	Reduced Graphene Oxideâ€Mediated Growth of Uniform Tinâ€Core/Carbonâ€Sheath Coaxial Nanocables with Enhanced Lithium Ion Storage Properties. Advanced Materials, 2012, 24, 1405-1409.	11.1	182
76	Chemical amination of graphene oxides and their extraordinary properties in the detection of lead ions. Nanoscale, 2011, 3, 5059.	2.8	104
77	Asymmetric Supercapacitors Based on Graphene/MnO₂ and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. Advanced Functional Materials, 2011, 21, 2366-2375.	7.8	1,827
78	Nanographeneâ€Constructed Hollow Carbon Spheres and Their Favorable Electroactivity with Respect to Lithium Storage. Advanced Materials, 2010, 22, 838-842.	11.1	473
79	A Threeâ€Dimensional Carbon Nanotube/Graphene Sandwich and Its Application as Electrode in Supercapacitors. Advanced Materials, 2010, 22, 3723-3728.	11.1	1,182
80	Grapheneâ€Based Optically Transparent Electrodes for Spectroelectrochemistry in the UVâ€“Vis Region. Small, 2010, 6, 184-189.	5.2	86
81	Direct Access to Metal or Metal Oxide Nanocrystals Integrated with One-Dimensional Nanoporous Carbons for Electrochemical Energy Storage. Journal of the American Chemical Society, 2010, 132, 15030-15037.	6.6	150
82	Synthesis of Microporous Carbon Nanofibers and Nanotubes from Conjugated Polymer Network and Evaluation in Electrochemical Capacitor. Advanced Functional Materials, 2009, 19, 2125-2129.	7.8	172
83	Application of graphene and graphene-based materials in clean energy-related devices. International Journal of Energy Research, 2009, 33, 1161-1170.	2.2	147
84	Polyaniline electrochromic devices with transparent graphene electrodes. Electrochimica Acta, 2009, 55, 491-497.	2.6	244
85	Metal-Free Phenanthrenequinone Cyclotrimer as an Effective Heterogeneous Catalyst. Journal of the American Chemical Society, 2009, 131, 11296-11297.	6.6	84
86	A simple approach towards one-dimensional mesoporous carbon with superior electrochemical capacitive activity. Chemical Communications, 2009, , 809-811.	2.2	61
87	Graphene-based electrode materials for rechargeable lithium batteries. Journal of Materials Chemistry, 2009, 19, 5871.	6.7	565
88	Transparent, highly conductive graphene electrodes from acetylene-assisted thermolysis of graphite oxide sheets and nanographene molecules. Nanotechnology, 2009, 20, 434007.	1.3	103
89	Transparent Carbon Films as Electrodes in Organic Solar Cells. Angewandte Chemie - International Edition, 2008, 47, 2990-2992.	7.2	598
90	Precursorâ€Controlled Formation of Novel Carbon/Metal and Carbon/Metal Oxide Nanocomposites. Advanced Materials, 2008, 20, 1727-1731.	11.1	192

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91	A Germaniumâ€“Carbon Nanocomposite Material for Lithium Batteries. Advanced Materials, 2008, 20, 3079-3083.	11.1	271
92	Transparent, Conductive Graphene Electrodes for Dye-Sensitized Solar Cells. Nano Letters, 2008, 8, 323-327.	4.5	4,164
93	Two-Dimensional Graphene Nanoribbons. Journal of the American Chemical Society, 2008, 130, 4216-4217.	6.6	695
94	A bottom-up approach from molecular nanographenes to unconventional carbon materials. Journal of Materials Chemistry, 2008, 18, 1472.	6.7	330
95	Self-assembly of amphiphilic imidazolium-based hexa-peri-hexabenzo-coronenes into fibreous aggregates. Chemical Communications, 2007, , 2384-2386.	2.2	48
96	One-Dimensional Porous Carbon/Platinum Composites for Nanoscale Electrodes. Angewandte Chemie - International Edition, 2007, 46, 3464-3467.	7.2	58
97	Self-Assembly of Positively Charged Discotic PAHs: From Nanofibers to Nanotubes. Angewandte Chemie - International Edition, 2007, 46, 5417-5420.	7.2	133
98	A Novel Approach Towards Carbonâ€“Ru Electrodes with Mesoporosity for Supercapacitors. ChemPhysChem, 2007, 8, 1013-1015.	1.0	17
99	A Oneâ€Step Approach Towards Carbonâ€Encapsulated Hollow Tin Nanoparticles and Their Application in Lithium Batteries. Small, 2007, 3, 2066-2069.	5.2	178
100	Carbonization of Disclike Molecules in Porous Alumina Membranes: Toward Carbon Nanotubes with Controlled Graphene-Layer Orientation. Angewandte Chemie - International Edition, 2005, 44, 2120-2123.	7.2	111
101	Carbonization of Disclike Molecules in Porous Alumina Membranes: Toward Carbon Nanotubes with Controlled Graphene-Layer Orientation. Angewandte Chemie, 2005, 117, 2158-2161.	1.6	24
102	Solid-State Pyrolyses of Metal Phthalocyanines: A Simple Approach towards Nitrogen-Doped CNTs and Metal/Carbon Nanocables. Small, 2005, 1, 798-801.	5.2	84
103	Nanotubes Fabricated from Niâ€Naphthalocyanine by a Template Method. Journal of the American Chemical Society, 2005, 127, 12792-12793.	6.6	81