Linjie Zhi

List of Publications by Year in Descending Order

103 papers	21,722 citations	60 h-index	106 g-index
106 ext. papers	23,169 ext. citations	14.2 avg, IF	7.14 L-index

#	Paper	IF	Citations
103	Inside-out dual-doping effects on tubular catalysts: Structural and chemical variation for advanced oxygen reduction performance. *Nano Research*, **2022**, 15, 361	10	1
102	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	13	28
101	Ultrafast-Charging Silicon-Based Coral-Like Network Anodes for Lithium-Ion Batteries with High Energy and Power Densities. *ACS Nano*, **2019**, 13, 2307-2315	16.7	93
100	Chemical tailoring of one-dimensional polypyrene nanocapsules at a molecular level: towards ideal sulfur hosts for high-performance Li–S batteries. *Journal of Materials Chemistry A*, **2019**, 7, 2009-2014	13	9
99	Halbach array assisted assembly of orderly aligned nickel nanowire networks as transparent conductive films. *Nanotechnology*, **2019**, 30, 355301	3.4	8
98	N,P co-doped hollow carbon nanofiber membranes with superior mass transfer property for trifunctional metal-free electrocatalysis. *Nano Energy*, **2019**, 64, 103879	17.1	70
97	A hierarchical layering design for stable, self-restrained and high volumetric binder-free lithium storage. *Nanoscale*, **2019**, 11, 21728-21732	7.7	4
96	Sp2-carbon dominant carbonaceous materials for energy conversion and storage. *Materials Science and Engineering Reports*, **2019**, 137, 1-37	30.9	18
95	Dimensionally Designed Carbon–Silicon Hybrids for Lithium Storage. *Advanced Functional Materials*, **2019**, 29, 1806061	15.6	91
94	Rational Design of Carbon-Rich Materials for Energy Storage and Conversion. *Advanced Materials*, **2019**, 31, e1804973	24	52
93	Graphene-Based Transparent Conductive Films: Material Systems, Preparation and Applications. *Small Methods*, **2019**, 3, 1800199	12.8	94
92	Graphene hybridization for energy storage applications. *Chemical Society Reviews*, **2018**, 47, 3189-3216	58.5	232
91	Nitrogen-Enriched Carbon/CNT Composites Based on Schiff-Base Networks: Ultrahigh N Content and Enhanced Lithium Storage Properties. *Small*, **2018**, 14, e1703569	11	23
90	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	17.1	29
89	WS2 nanoplates embedded in graphitic carbon nanotubes with excellent electrochemical performance for lithium and sodium storage. *Science China Materials*, **2018**, 61, 671-678	7.1	24
88	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	13	97
87	Catalytic Effects in Lithium-Sulfur Batteries: Promoted Sulfur Transformation and Reduced Shuttle Effect. *Advanced Science*, **2018**, 5, 1700270	13.6	471

86	Scallop-Inspired Shell Engineering of Microparticles for Stable and High Volumetric Capacity Battery Anodes. *Small*, **2018**, 14, e1800752	11	14
85	A facile and processable integration strategy towards Schiff-base polymer-derived carbonaceous materials with high lithium storage performance. *Nanoscale*, **2018**, 10, 10351-10356	7.7	12
84	Fast tuning of covalent triazine frameworks for photocatalytic hydrogen evolution. *Chemical Communications*, **2017**, 53, 5854-5857	5.8	162
83	A Facile Reduction Method for Roll-to-Roll Production of High Performance Graphene-Based Transparent Conductive Films. *Advanced Materials*, **2017**, 29, 1605028	24	54
82	Shape Control of Periodic Metallic Nanostructures for Transparent Conductive Films. *Particle and Particle Systems Characterization*, **2017**, 34, 1600262	3.1	15
81	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	16.7	56
80	Reversible Functionalization: A Scalable Way to Deliver the Structure and Interface of Graphene for Different Macro Applications. *Advanced Materials Interfaces*, **2016**, 3, 1500842	4.6	4
79	Carbon-Network-Integrated SnSiOx+2 Nanofiber Sheathed by Ultrathin Graphitic Carbon for Highly Reversible Lithium Storage. *Advanced Energy Materials*, **2016**, 6, 1502495	21.8	16
78	Controlled functionalization of graphene with carboxyl moieties toward multiple applications. *RSC Advances*, **2016**, 6, 58561-58565	3.7	6
77	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	17.1	119
76	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	13	24
75	Graphene□norganic Composites as Electrode Materials for Lithium-Ion Batteries **2016**, 217-249		
74	All-biomaterial supercapacitor derived from bacterial cellulose. *Nanoscale*, **2016**, 8, 9146-50	7.7	77
73	Spatially Interlinked Graphene with Uniformly Loaded Sulfur for High Performance Li-S Batteries. *Chinese Journal of Chemistry*, **2016**, 34, 41-45	4.9	10
72	Facile Synthesis of Zn0.5Cd0.5S Ultrathin Nanorods on Reduced Graphene Oxide for Enhanced Photocatalytic Hydrogen Evolution under Visible Light. *ChemCatChem*, **2015**, 7, 609-615	5.2	36
71	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	5.2	1
70	Bottom-up construction of triazine-based frameworks as metal-free electrocatalysts for oxygen reduction reaction. *Advanced Materials*, **2015**, 27, 3190-5	24	149
69	Controlled synthesis of ZnxCd1□S nanorods and their composite with RGO for high-performance visible-light photocatalysis. *RSC Advances*, **2015**, 5, 27829-27836	3.7	20

68	Precursor-Controlled Synthesis of Nanocarbons for Lithium Ion Batteries **2015**, 59-85		
67	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	13	76
66	High-Performance Silicon Battery Anodes Enabled by Engineering Graphene Assemblies. *Nano Letters*, **2015**, 15, 6222-8	11.5	147
65	Hydrogen reduced graphene oxide/metal grid hybrid film: towards high performance transparent conductive electrode for flexible electrochromic devices. *Carbon*, **2015**, 81, 232-238	10.4	78
64	Structural evolution of 2D microporous covalent triazine-based framework toward the study of high-performance supercapacitors. *Journal of the American Chemical Society*, **2015**, 137, 219-25	16.4	311
63	Design and construction of three dimensional graphene-based composites for lithium ion battery applications. *Energy and Environmental Science*, **2015**, 8, 456-477	35.4	224
62	Controllable Synthesis of Tetraethylenepentamine Modified Graphene Foam (TEPA-GF) for the Removal of Lead ions. *Scientific Reports*, **2015**, 5, 16730	4.9	12
61	Freestanding carbon-coated CNT/Sn(O2) coaxial sponges with enhanced lithium-ion storage capability. *Nanoscale*, **2015**, 7, 20380-5	7.7	18
60	Porous layer-stacking carbon derived from in-built template in biomass for high volumetric performance supercapacitors. *Nano Energy*, **2015**, 12, 141-151	17.1	436
59	Approaching the downsizing limit of silicon for surface-controlled lithium storage. *Advanced Materials*, **2015**, 27, 1526-32	24	95
58	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	3.5	13
57	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	13	25
56	Mass production of multi-channeled porous carbon nanofibers and their application as binder-free electrodes for high-performance supercapacitors. *Small*, **2014**, 10, 4671-6	11	38
55	Rational design of MoS2@graphene nanocables: towards high performance electrode materials for lithium ion batteries. *Energy and Environmental Science*, **2014**, 7, 3320-3325	35.4	196
54	Au@MnO2 core-shell nanomesh electrodes for transparent flexible supercapacitors. *Small*, **2014**, 10, 4136-41	11	76
53	A novel SnS2@graphene nanocable network for high-performance lithium storage. *RSC Advances*, **2014**, 4, 23372-23376	3.7	38
52	Graphenal polymers for energy storage. *Small*, **2014**, 10, 2122-35	11	29
51	Managing voids of Si anodes in lithium ion batteries. *Nanoscale*, **2013**, 5, 8864-73	7.7	49

50	One-dimensional/two-dimensional hybridization for self-supported binder-free silicon-based lithium ion battery anodes. *Nanoscale*, **2013**, 5, 1470-4	7.7	76
49	Reduced graphene oxide nanoribbon networks: a novel approach towards scalable fabrication of transparent conductive films. *Small*, **2013**, 9, 820-4	11	26
48	Adaptable silicon-carbon nanocables sandwiched between reduced graphene oxide sheets as lithium ion battery anodes. *ACS Nano*, **2013**, 7, 1437-45	16.7	359
47	Hydrogen-induced effects on the CVD growth of high-quality graphene structures. *Nanoscale*, **2013**, 5, 8363-6	7.7	49
46	Pyrolyzed bacterial cellulose: a versatile support for lithium ion battery anode materials. *Small*, **2013**, 9, 2399-404	11	144
45	Contact-engineered and void-involved silicon/carbon nanohybrids as lithium-ion-battery anodes. *Advanced Materials*, **2013**, 25, 3560-5	24	212
44	Carbonaceous electrode materials for supercapacitors. *Advanced Materials*, **2013**, 25, 3899-904	24	513
43	Intertwined network of Si/C nanocables and carbon nanotubes as lithium-ion battery anodes. *ACS Applied Materials & Interfaces*, **2013**, 5, 6467-72	9.5	46
42	Reduced graphene oxide-mediated growth of uniform tin-core/carbon-sheath coaxial nanocables with enhanced lithium ion storage properties. *Advanced Materials*, **2012**, 24, 1405-9	24	175
41	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	3.9	34
40	Renewing functionalized graphene as electrodes for high-performance supercapacitors. *Advanced Materials*, **2012**, 24, 6348-55	24	355
39	Graphene nanostructures toward clean energy technology applications. *Wiley Interdisciplinary Reviews: Energy and Environment*, **2012**, 1, 317-336	4.7	29
38	Two dimensional graphene$SnS2 hybrids with superior rate capability for lithium ion storage. *Energy and Environmental Science*, **2012**, 5, 5226-5230	35.4	357
37	The dimensionality of Sn anodes in Li-ion batteries. *Materials Today*, **2012**, 15, 544-552	21.8	194
36	Terephthalonitrile-derived nitrogen-rich networks for high performance supercapacitors. *Energy and Environmental Science*, **2012**, 5, 9747	35.4	154
35	Chemical approaches toward graphene-based nanomaterials and their applications in energy-related areas. *Small*, **2012**, 8, 630-46	11	335
34	High-efficiency and room-temperature reduction of graphene oxide: a facile green approach towards flexible graphene films. *Small*, **2012**, 8, 1180-4, 1124	11	35
33	Advanced Asymmetric Supercapacitors Based on Ni(OH)2/Graphene and Porous Graphene Electrodes with High Energy Density. *Advanced Functional Materials*, **2012**, 22, 2632-2641	15.6	1668

32	Efficient Synthesis of Heteroatom (N or S)-Doped Graphene Based on Ultrathin Graphene Oxide-Porous Silica Sheets for Oxygen Reduction Reactions. *Advanced Functional Materials*, **2012**, 22, 3634-3640	15.6	1071
31	Rod-coating: towards large-area fabrication of uniform reduced graphene oxide films for flexible touch screens. *Advanced Materials*, **2012**, 24, 2874-8	24	244
30	Graphene-confined Sn nanosheets with enhanced lithium storage capability. *Advanced Materials*, **2012**, 24, 3538-43	24	254
29	Template-Directed Synthesis of Pillared-Porous Carbon Nanosheet Architectures: High-Performance Electrode Materials for Supercapacitors. *Advanced Energy Materials*, **2012**, 2, 419-424	21.8	229
28	Chemical amination of graphene oxides and their extraordinary properties in the detection of lead ions. *Nanoscale*, **2011**, 3, 5059-66	7.7	97
27	Asymmetric Supercapacitors Based on Graphene/MnO2 and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. *Advanced Functional Materials*, **2011**, 21, 2366-2375	15.6	1673
26	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, 15030-7	16.4	136
25	Nanographene-constructed hollow carbon spheres and their favorable electroactivity with respect to lithium storage. *Advanced Materials*, **2010**, 22, 838-42	24	445
24	A three-dimensional carbon nanotube/graphene sandwich and its application as electrode in supercapacitors. *Advanced Materials*, **2010**, 22, 3723-8	24	1092
23	Graphene-based optically transparent electrodes for spectroelectrochemistry in the UV-Vis region. *Small*, **2010**, 6, 184-9	11	80
22	Synthesis of Microporous Carbon Nanofibers and Nanotubes from Conjugated Polymer Network and Evaluation in Electrochemical Capacitor. *Advanced Functional Materials*, **2009**, 19, 2125-2129	15.6	159
21	Application of graphene and graphene-based materials in clean energy-related devices. *International Journal of Energy Research*, **2009**, 33, 1161-1170	4.5	108
20	Polyaniline electrochromic devices with transparent graphene electrodes. *Electrochimica Acta*, **2009**, 55, 491-497	6.7	211
19	Metal-free phenanthrenequinone cyclotrimer as an effective heterogeneous catalyst. *Journal of the American Chemical Society*, **2009**, 131, 11296-7	16.4	76
18	A simple approach towards one-dimensional mesoporous carbon with superior electrochemical capacitive activity. *Chemical Communications*, **2009**, 809-11	5.8	61
17	Graphene-based electrode materials for rechargeable lithium batteries. *Journal of Materials Chemistry*, **2009**, 19, 5871		526
16	Transparent, highly conductive graphene electrodes from acetylene-assisted thermolysis of graphite oxide sheets and nanographene molecules. *Nanotechnology*, **2009**, 20, 434007	3.4	91
15	Two-dimensional graphene nanoribbons. *Journal of the American Chemical Society*, **2008**, 130, 4216-7	16.4	610

14	A bottom-up approach from molecular nanographenes to unconventional carbon materials. *Journal of Materials Chemistry*, **2008**, 18, 1472		297
13	Transparent carbon films as electrodes in organic solar cells. *Angewandte Chemie - International Edition*, **2008**, 47, 2990-2	16.4	549
12	Precursor-Controlled Formation of Novel Carbon/Metal and Carbon/Metal Oxide Nanocomposites. *Advanced Materials*, **2008**, 20, 1727-1731	24	178
11	A Germanium–Carbon Nanocomposite Material for Lithium Batteries. *Advanced Materials*, **2008**, 20, 3079-3083	24	252
10	Transparent, conductive graphene electrodes for dye-sensitized solar cells. *Nano Letters*, **2008**, 8, 323-7	11.5	3849
9	Self-assembly of amphiphilic imidazolium-based hexa-peri-hexabenzocoronenes into fibreous aggregates. *Chemical Communications*, **2007**, 2384-6	5.8	44
8	One-dimensional porous carbon/platinum composites for nanoscale electrodes. *Angewandte Chemie - International Edition*, **2007**, 46, 3464-7	16.4	58
7	Self-assembly of positively charged discotic PAHs: from nanofibers to nanotubes. *Angewandte Chemie - International Edition*, **2007**, 46, 5417-20	16.4	120
6	A novel approach towards carbon-Ru electrodes with mesoporosity for supercapacitors. *ChemPhysChem*, **2007**, 8, 1013-5	3.2	14
5	A one-step approach towards carbon-encapsulated hollow tin nanoparticles and their application in lithium batteries. *Small*, **2007**, 3, 2066-9	11	170
4	Nanotubes fabricated from Ni-naphthalocyanine by a template method. *Journal of the American Chemical Society*, **2005**, 127, 12792-3	16.4	78
3	Carbonization of disclike molecules in porous alumina membranes: toward carbon nanotubes with controlled graphene-layer orientation. *Angewandte Chemie - International Edition*, **2005**, 44, 2120-3	16.4	105
2	Carbonization of Disclike Molecules in Porous Alumina Membranes: Toward Carbon Nanotubes with Controlled Graphene-Layer Orientation. *Angewandte Chemie*, **2005**, 117, 2158-2161	3.6	24
1	Solid-state pyrolyses of metal phthalocyanines: a simple approach towards nitrogen-doped CNTs and metal/carbon nanocables. *Small*, **2005**, 1, 798-801	11	80