

Linjie Zhi

List of Publications by Citations

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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	Transparent, conductive graphene electrodes for dye-sensitized solar cells. <i>Nano Letters</i> , 2008 , 8, 323-7	11.5	3849
102	Asymmetric Supercapacitors Based on Graphene/MnO ₂ and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. <i>Advanced Functional Materials</i> , 2011 , 21, 2366-2375	15.6	1673
101	Advanced Asymmetric Supercapacitors Based on Ni(OH) ₂ /Graphene and Porous Graphene Electrodes with High Energy Density. <i>Advanced Functional Materials</i> , 2012 , 22, 2632-2641	15.6	1668
100	A three-dimensional carbon nanotube/graphene sandwich and its application as electrode in supercapacitors. <i>Advanced Materials</i> , 2010 , 22, 3723-8	24	1092
99	Efficient Synthesis of Heteroatom (N or S)-Doped Graphene Based on Ultrathin Graphene Oxide-Porous Silica Sheets for Oxygen Reduction Reactions. <i>Advanced Functional Materials</i> , 2012 , 22, 3634-3640	15.6	1071
98	Two-dimensional graphene nanoribbons. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4216-7	16.4	610
97	Transparent carbon films as electrodes in organic solar cells. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2990-2	16.4	549
96	Graphene-based electrode materials for rechargeable lithium batteries. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5871		526
95	Carbonaceous electrode materials for supercapacitors. <i>Advanced Materials</i> , 2013 , 25, 3899-904	24	513
94	Catalytic Effects in Lithium-Sulfur Batteries: Promoted Sulfur Transformation and Reduced Shuttle Effect. <i>Advanced Science</i> , 2018 , 5, 1700270	13.6	471
93	Nanographene-constructed hollow carbon spheres and their favorable electroactivity with respect to lithium storage. <i>Advanced Materials</i> , 2010 , 22, 838-42	24	445
92	Porous layer-stacking carbon derived from in-built template in biomass for high volumetric performance supercapacitors. <i>Nano Energy</i> , 2015 , 12, 141-151	17.1	436
91	Adaptable silicon-carbon nanocables sandwiched between reduced graphene oxide sheets as lithium ion battery anodes. <i>ACS Nano</i> , 2013 , 7, 1437-45	16.7	359
90	Two dimensional graphene/SnS ₂ hybrids with superior rate capability for lithium ion storage. <i>Energy and Environmental Science</i> , 2012 , 5, 5226-5230	35.4	357
89	Renewing functionalized graphene as electrodes for high-performance supercapacitors. <i>Advanced Materials</i> , 2012 , 24, 6348-55	24	355
88	Chemical approaches toward graphene-based nanomaterials and their applications in energy-related areas. <i>Small</i> , 2012 , 8, 630-46	11	335
87	Structural evolution of 2D microporous covalent triazine-based framework toward the study of high-performance supercapacitors. <i>Journal of the American Chemical Society</i> , 2015 , 137, 219-25	16.4	311

86	A bottom-up approach from molecular nanographenes to unconventional carbon materials. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1472		297
85	Graphene-confined Sn nanosheets with enhanced lithium storage capability. <i>Advanced Materials</i> , 2012 , 24, 3538-43	24	254
84	A Germanium-Carbon Nanocomposite Material for Lithium Batteries. <i>Advanced Materials</i> , 2008 , 20, 3079-3083	24	252
83	Rod-coating: towards large-area fabrication of uniform reduced graphene oxide films for flexible touch screens. <i>Advanced Materials</i> , 2012 , 24, 2874-8	24	244
82	Graphene hybridization for energy storage applications. <i>Chemical Society Reviews</i> , 2018 , 47, 3189-3216	58.5	232
81	Template-Directed Synthesis of Pillared-Porous Carbon Nanosheet Architectures: High-Performance Electrode Materials for Supercapacitors. <i>Advanced Energy Materials</i> , 2012 , 2, 419-424	21.8	229
80	Design and construction of three dimensional graphene-based composites for lithium ion battery applications. <i>Energy and Environmental Science</i> , 2015 , 8, 456-477	35.4	224
79	Contact-engineered and void-involved silicon/carbon nanohybrids as lithium-ion-battery anodes. <i>Advanced Materials</i> , 2013 , 25, 3560-5	24	212
78	Polyaniline electrochromic devices with transparent graphene electrodes. <i>Electrochimica Acta</i> , 2009 , 55, 491-497	6.7	211
77	Rational design of MoS ₂ @graphene nanocables: towards high performance electrode materials for lithium ion batteries. <i>Energy and Environmental Science</i> , 2014 , 7, 3320-3325	35.4	196
76	The dimensionality of Sn anodes in Li-ion batteries. <i>Materials Today</i> , 2012 , 15, 544-552	21.8	194
75	Precursor-Controlled Formation of Novel Carbon/Metal and Carbon/Metal Oxide Nanocomposites. <i>Advanced Materials</i> , 2008 , 20, 1727-1731	24	178
74	Reduced graphene oxide-mediated growth of uniform tin-core/carbon-sheath coaxial nanocables with enhanced lithium ion storage properties. <i>Advanced Materials</i> , 2012 , 24, 1405-9	24	175
73	A one-step approach towards carbon-encapsulated hollow tin nanoparticles and their application in lithium batteries. <i>Small</i> , 2007 , 3, 2066-9	11	170
72	Fast tuning of covalent triazine frameworks for photocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2017 , 53, 5854-5857	5.8	162
71	Synthesis of Microporous Carbon Nanofibers and Nanotubes from Conjugated Polymer Network and Evaluation in Electrochemical Capacitor. <i>Advanced Functional Materials</i> , 2009 , 19, 2125-2129	15.6	159
70	Terephthalonitrile-derived nitrogen-rich networks for high performance supercapacitors. <i>Energy and Environmental Science</i> , 2012 , 5, 9747	35.4	154
69	Bottom-up construction of triazine-based frameworks as metal-free electrocatalysts for oxygen reduction reaction. <i>Advanced Materials</i> , 2015 , 27, 3190-5	24	149

68	High-Performance Silicon Battery Anodes Enabled by Engineering Graphene Assemblies. <i>Nano Letters</i> , 2015 , 15, 6222-8	11.5	147
67	Pyrolyzed bacterial cellulose: a versatile support for lithium ion battery anode materials. <i>Small</i> , 2013 , 9, 2399-404	11	144
66	Direct access to metal or metal oxide nanocrystals integrated with one-dimensional nanoporous carbons for electrochemical energy storage. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15030-7	16.4	136
65	Self-assembly of positively charged discotic PAHs: from nanofibers to nanotubes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5417-20	16.4	120
64	Tin nanoparticles encapsulated in graphene backboned carbonaceous foams as high-performance anodes for lithium-ion and sodium-ion storage. <i>Nano Energy</i> , 2016 , 22, 232-240	17.1	119
63	Application of graphene and graphene-based materials in clean energy-related devices. <i>International Journal of Energy Research</i> , 2009 , 33, 1161-1170	4.5	108
62	Carbonization of dislike molecules in porous alumina membranes: toward carbon nanotubes with controlled graphene-layer orientation. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2120-3	16.4	105
61	Controllable growth of SnS ₂ nanostructures on nanocarbon surfaces for lithium-ion and sodium-ion storage with high rate capability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1462-1472	13	97
60	Chemical amination of graphene oxides and their extraordinary properties in the detection of lead ions. <i>Nanoscale</i> , 2011 , 3, 5059-66	7.7	97
59	Approaching the downsizing limit of silicon for surface-controlled lithium storage. <i>Advanced Materials</i> , 2015 , 27, 1526-32	24	95
58	Graphene-Based Transparent Conductive Films: Material Systems, Preparation and Applications. <i>Small Methods</i> , 2019 , 3, 1800199	12.8	94
57	Ultrafast-Charging Silicon-Based Coral-Like Network Anodes for Lithium-Ion Batteries with High Energy and Power Densities. <i>ACS Nano</i> , 2019 , 13, 2307-2315	16.7	93
56	Transparent, highly conductive graphene electrodes from acetylene-assisted thermolysis of graphite oxide sheets and nanographene molecules. <i>Nanotechnology</i> , 2009 , 20, 434007	3.4	91
55	Dimensionally Designed Carbon/Silicon Hybrids for Lithium Storage. <i>Advanced Functional Materials</i> , 2019 , 29, 1806061	15.6	91
54	Graphene-based optically transparent electrodes for spectroelectrochemistry in the UV-Vis region. <i>Small</i> , 2010 , 6, 184-9	11	80
53	Solid-state pyrolyses of metal phthalocyanines: a simple approach towards nitrogen-doped CNTs and metal/carbon nanocables. <i>Small</i> , 2005 , 1, 798-801	11	80
52	Hydrogen reduced graphene oxide/metal grid hybrid film: towards high performance transparent conductive electrode for flexible electrochromic devices. <i>Carbon</i> , 2015 , 81, 232-238	10.4	78
51	Nanotubes fabricated from Ni-naphthalocyanine by a template method. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12792-3	16.4	78

50	All-biomaterial supercapacitor derived from bacterial cellulose. <i>Nanoscale</i> , 2016 , 8, 9146-50	7.7	77
49	Conversion of amorphous polymer networks to covalent organic frameworks under ionothermal conditions: a facile synthesis route for covalent triazine frameworks. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24422-24427	13	76
48	Au@MnO ₂ core-shell nanomesh electrodes for transparent flexible supercapacitors. <i>Small</i> , 2014 , 10, 4136-41	11	76
47	One-dimensional/two-dimensional hybridization for self-supported binder-free silicon-based lithium ion battery anodes. <i>Nanoscale</i> , 2013 , 5, 1470-4	7.7	76
46	Metal-free phenanthrenequinone cyclotrimer as an effective heterogeneous catalyst. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11296-7	16.4	76
45	N,P co-doped hollow carbon nanofiber membranes with superior mass transfer property for trifunctional metal-free electrocatalysis. <i>Nano Energy</i> , 2019 , 64, 103879	17.1	70
44	A simple approach towards one-dimensional mesoporous carbon with superior electrochemical capacitive activity. <i>Chemical Communications</i> , 2009 , 809-11	5.8	61
43	One-dimensional porous carbon/platinum composites for nanoscale electrodes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3464-7	16.4	58
42	Direct Chemical-Vapor-Deposition-Fabricated, Large-Scale Graphene Glass with High Carrier Mobility and Uniformity for Touch Panel Applications. <i>ACS Nano</i> , 2016 , 10, 11136-11144	16.7	56
41	A Facile Reduction Method for Roll-to-Roll Production of High Performance Graphene-Based Transparent Conductive Films. <i>Advanced Materials</i> , 2017 , 29, 1605028	24	54
40	Rational Design of Carbon-Rich Materials for Energy Storage and Conversion. <i>Advanced Materials</i> , 2019 , 31, e1804973	24	52
39	Managing voids of Si anodes in lithium ion batteries. <i>Nanoscale</i> , 2013 , 5, 8864-73	7.7	49
38	Hydrogen-induced effects on the CVD growth of high-quality graphene structures. <i>Nanoscale</i> , 2013 , 5, 8363-6	7.7	49
37	Intertwined network of Si/C nanocables and carbon nanotubes as lithium-ion battery anodes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6467-72	9.5	46
36	Self-assembly of amphiphilic imidazolium-based hexa-peri-hexabenzocoronenes into fibrous aggregates. <i>Chemical Communications</i> , 2007 , 2384-6	5.8	44
35	Mass production of multi-channeled porous carbon nanofibers and their application as binder-free electrodes for high-performance supercapacitors. <i>Small</i> , 2014 , 10, 4671-6	11	38
34	A novel SnS ₂ @graphene nanocable network for high-performance lithium storage. <i>RSC Advances</i> , 2014 , 4, 23372-23376	3.7	38
33	Facile Synthesis of Zn _{0.5} Cd _{0.5} S Ultrathin Nanorods on Reduced Graphene Oxide for Enhanced Photocatalytic Hydrogen Evolution under Visible Light. <i>ChemCatChem</i> , 2015 , 7, 609-615	5.2	36

32	High-efficiency and room-temperature reduction of graphene oxide: a facile green approach towards flexible graphene films. <i>Small</i> , 2012 , 8, 1180-4, 1124	11	35
31	In-Situ Preparation of Boron-Doped Carbons with Ordered Mesopores and Enhanced Electrochemical Properties in Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2012 , 159, E177-E182	39	34
30	A facile Schiff base chemical approach: towards molecular-scale engineering of N-C interface for high performance lithium-sulfur batteries. <i>Nano Energy</i> , 2018 , 46, 365-371	17.1	29
29	Graphenal polymers for energy storage. <i>Small</i> , 2014 , 10, 2122-35	11	29
28	Graphene nanostructures toward clean energy technology applications. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2012 , 1, 317-336	4-7	29
27	Maximizing pore and heteroatom utilization within N,P-co-doped polypyrrole-derived carbon nanotubes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17558-17567 ³	13	28
26	Reduced graphene oxide nanoribbon networks: a novel approach towards scalable fabrication of transparent conductive films. <i>Small</i> , 2013 , 9, 820-4	11	26
25	A fast room-temperature strategy for direct reduction of graphene oxide films towards flexible transparent conductive films. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10969-10973	13	25
24	WS ₂ nanoplates embedded in graphitic carbon nanotubes with excellent electrochemical performance for lithium and sodium storage. <i>Science China Materials</i> , 2018 , 61, 671-678	7.1	24
23	Graphene-templated formation of 3D tin-based foams for lithium ion storage applications with a long lifespan. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 362-367	13	24
22	Carbonization of Dislike Molecules in Porous Alumina Membranes: Toward Carbon Nanotubes with Controlled Graphene-Layer Orientation. <i>Angewandte Chemie</i> , 2005 , 117, 2158-2161	3.6	24
21	Nitrogen-Enriched Carbon/CNT Composites Based on Schiff-Base Networks: Ultrahigh N Content and Enhanced Lithium Storage Properties. <i>Small</i> , 2018 , 14, e1703569	11	23
20	Controlled synthesis of Zn _x Cd _{1-x} S nanorods and their composite with RGO for high-performance visible-light photocatalysis. <i>RSC Advances</i> , 2015 , 5, 27829-27836	3.7	20
19	Freestanding carbon-coated CNT/Sn(O ₂) coaxial sponges with enhanced lithium-ion storage capability. <i>Nanoscale</i> , 2015 , 7, 20380-5	7.7	18
18	Sp ² -carbon dominant carbonaceous materials for energy conversion and storage. <i>Materials Science and Engineering Reports</i> , 2019 , 137, 1-37	30.9	18
17	Carbon-Network-Integrated SnSiO _x +2 Nanofiber Sheathed by Ultrathin Graphitic Carbon for Highly Reversible Lithium Storage. <i>Advanced Energy Materials</i> , 2016 , 6, 1502495	21.8	16
16	Shape Control of Periodic Metallic Nanostructures for Transparent Conductive Films. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600262	3.1	15
15	Scallop-Inspired Shell Engineering of Microparticles for Stable and High Volumetric Capacity Battery Anodes. <i>Small</i> , 2018 , 14, e1800752	11	14

14	A novel approach towards carbon-Ru electrodes with mesoporosity for supercapacitors. <i>ChemPhysChem</i> , 2007 , 8, 1013-5	3.2	14
13	High-quality graphene grown directly on stainless steel meshes through CVD process for enhanced current collectors of supercapacitors. <i>Science China Technological Sciences</i> , 2014 , 57, 259-263	3.5	13
12	Controllable Synthesis of Tetraethylenepentamine Modified Graphene Foam (TEPA-GF) for the Removal of Lead ions. <i>Scientific Reports</i> , 2015 , 5, 16730	4.9	12
11	A facile and processable integration strategy towards Schiff-base polymer-derived carbonaceous materials with high lithium storage performance. <i>Nanoscale</i> , 2018 , 10, 10351-10356	7.7	12
10	Spatially Interlinked Graphene with Uniformly Loaded Sulfur for High Performance Li-S Batteries. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 41-45	4.9	10
9	Chemical tailoring of one-dimensional polypyrene nanocapsules at a molecular level: towards ideal sulfur hosts for high-performance LiS batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2009-2014	13	9
8	Halbach array assisted assembly of orderly aligned nickel nanowire networks as transparent conductive films. <i>Nanotechnology</i> , 2019 , 30, 355301	3.4	8
7	Controlled functionalization of graphene with carboxyl moieties toward multiple applications. <i>RSC Advances</i> , 2016 , 6, 58561-58565	3.7	6
6	Reversible Functionalization: A Scalable Way to Deliver the Structure and Interface of Graphene for Different Macro Applications. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500842	4.6	4
5	A hierarchical layering design for stable, self-restrained and high volumetric binder-free lithium storage. <i>Nanoscale</i> , 2019 , 11, 21728-21732	7.7	4
4	Facile Synthesis of Zn _{0.5} Cd _{0.5} S Ultrathin Nanorods on Reduced Graphene Oxide for Enhanced Photocatalytic Hydrogen Evolution under Visible Light. <i>ChemCatChem</i> , 2015 , 7, 537-537	5.2	1
3	Inside-out dual-doping effects on tubular catalysts: Structural and chemical variation for advanced oxygen reduction performance. <i>Nano Research</i> , 2022 , 15, 361	10	1
2	Precursor-Controlled Synthesis of Nanocarbons for Lithium Ion Batteries 2015 , 59-85		
1	Graphene/Inorganic Composites as Electrode Materials for Lithium-Ion Batteries 2016 , 217-249		