

Bing Zhao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/664281/bing-zhao-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

66
papers

3,329
citations

25
h-index

57
g-index

70
ext. papers

3,797
ext. citations

7.9
avg, IF

5.19
L-index

#	Paper	IF	Citations
66	Li Storage Properties of Disordered Graphene Nanosheets. <i>Chemistry of Materials</i> , 2009 , 21, 3136-3142	9.6	879
65	Supercapacitor performances of thermally reduced graphene oxide. <i>Journal of Power Sources</i> , 2012 , 198, 423-427	8.9	328
64	Monolayer graphene/NiO nanosheets with two-dimension structure for supercapacitors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18792		277
63	Sandwich-like SnS/Graphene/SnS with Expanded Interlayer Distance as High-Rate Lithium/Sodium-Ion Battery Anode Materials. <i>ACS Nano</i> , 2019 , 13, 9100-9111	16.7	178
62	Hierarchical self-assembly of microscale leaf-like CuO on graphene sheets for high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 367-373	13	156
61	A facile hydrothermal synthesis of graphene porous NiO nanocomposite and its application in electrochemical capacitors. <i>Electrochimica Acta</i> , 2013 , 91, 173-178	6.7	110
60	Bivalent tin ion assisted reduction for preparing graphene/SnO ₂ composite with good cyclic performance and lithium storage capacity. <i>Electrochimica Acta</i> , 2011 , 56, 7340-7346	6.7	100
59	Morphology and electrical properties of carbon coated LiFePO ₄ cathode materials. <i>Journal of Power Sources</i> , 2009 , 189, 462-466	8.9	94
58	Inhibiting the shuttle effect of LiB battery with a graphene oxide coating separator: Performance improvement and mechanism study. <i>Journal of Power Sources</i> , 2017 , 342, 929-938	8.9	90
57	Three-Dimensional Interconnected Spherical Graphene Framework/SnS Nanocomposite for Anode Material with Superior Lithium Storage Performance: Complete Reversibility of LiS. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1407-1415	9.5	86
56	Irradiated Graphene Loaded with SnO ₂ Quantum Dots for Energy Storage. <i>ACS Nano</i> , 2015 , 9, 11351-61	16.7	63
55	Flexible of multiwalled carbon nanotubes/manganese dioxide nanoflake textiles for high-performance electrochemical capacitors. <i>Electrochimica Acta</i> , 2015 , 153, 246-253	6.7	54
54	Graphene modified Li ₃ V ₂ (PO ₄) ₃ as a high-performance cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2012 , 85, 377-383	6.7	54
53	Insight on fractal assessment strategies for tin dioxide thin films. <i>ACS Nano</i> , 2010 , 4, 1202-8	16.7	53
52	Nanorod-like Fe ₂ O ₃ /graphene composite as a high-performance anode material for lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 53-60	2.6	44
51	Stabilizing the reversible capacity of SnO ₂ /graphene composites by Cu nanoparticles. <i>Chemical Engineering Journal</i> , 2019 , 367, 45-54	14.7	41
50	One-step hydrothermal synthesis of three-dimensional porous graphene aerogels/sulfur nanocrystals for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2015 , 645, 509-516	5.7	41

49	Lithiation-assisted exfoliation and reduction of SnS to SnS decorated on lithium-integrated graphene for efficient energy storage. <i>Nanoscale</i> , 2017 , 9, 17922-17932	7.7	39
48	Li _{4.4} Sn encapsulated in hollow graphene spheres for stable Li metal anodes without dendrite formation for long cycle-life of lithium batteries. <i>Nano Energy</i> , 2020 , 70, 104504	17.1	36
47	Composition-dependent lithium storage performances of SnS/SnO ₂ heterostructures sandwiching between spherical graphene. <i>Electrochimica Acta</i> , 2019 , 300, 253-262	6.7	30
46	Ultrastable Li-ion battery anodes by encapsulating SnS nanoparticles in sulfur-doped graphene bubble films. <i>Nanoscale</i> , 2020 , 12, 3941-3949	7.7	27
45	In-situ sulfuration synthesis of sandwiched spherical tin sulfide/sulfur-doped graphene composite with ultra-low sulfur content. <i>Journal of Power Sources</i> , 2018 , 378, 81-89	8.9	27
44	Core-shell Li ₂ S@Li ₃ PS ₄ nanoparticles incorporated into graphene aerogel for lithium-sulfur batteries with low potential barrier and overpotential. <i>Journal of Power Sources</i> , 2017 , 353, 167-175	8.9	26
43	Self-assembly of ultrathin MnO ₂ /graphene with three-dimension hierarchical structure by ultrasonic-assisted co-precipitation method. <i>Journal of Alloys and Compounds</i> , 2016 , 663, 180-186	5.7	26
42	Sandwiched spherical tin dioxide/graphene with a three-dimensional interconnected closed pore structure for lithium storage. <i>Nanoscale</i> , 2018 , 10, 16116-16126	7.7	25
41	Reaction mechanism of Li ₂ S-P ₂ S ₅ system in acetonitrile based on wet chemical synthesis of Li ₇ P ₃ S ₁₁ solid electrolyte. <i>Chemical Engineering Journal</i> , 2020 , 393, 124706	14.7	22
40	Size-tunable SnS ₂ nanoparticles assembled on graphene as anodes for high performance lithium/sodium-ion batteries. <i>Electrochimica Acta</i> , 2020 , 354, 136730	6.7	21
39	Atomic layer deposition for improved lithiophilicity and solid electrolyte interface stability during lithium plating. <i>Energy Storage Materials</i> , 2020 , 28, 17-26	19.4	21
38	Structural phase transformation from SnS/reduced graphene oxide to SnS/sulfur-doped graphene and its lithium storage properties. <i>Nanoscale</i> , 2020 , 12, 1697-1706	7.7	21
37	MoS ₂ /graphene nanocomposite with enlarged interlayer distance as a high performance anode material for lithium-ion battery. <i>Journal of Materials Research</i> , 2016 , 31, 3151-3160	2.5	21
36	Modification based on primary particle level to improve the electrochemical performance of SiO ₂ -based anode materials. <i>Journal of Power Sources</i> , 2020 , 467, 228301	8.9	20
35	Solvent-free synthesis of PEO/garnet composite electrolyte for high-safety all-solid-state lithium batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 157915	5.7	20
34	Growth of MoS ₂ Nanoflowers with Expanded Interlayer Distance onto N-Doped Graphene for Reversible Lithium Storage. <i>ChemElectroChem</i> , 2018 , 5, 2263-2270	4.3	20
33	Hierarchically assembled 3D nanoflowers and 0D nanoparticles of nickel sulfides on reduced graphene oxide with excellent lithium storage performances. <i>Applied Surface Science</i> , 2018 , 439, 386-393	6.7	18
32	One-step hydrothermal reduction synthesis of tiny Sn/SnO ₂ nanoparticles sandwiching between spherical graphene with excellent lithium storage cycling performances. <i>Electrochimica Acta</i> , 2018 , 292, 72-80	6.7	18

31	Controlled scalable synthesis of yolk-shell structured large-size industrial silicon with interconnected carbon network for lithium storage. <i>Electrochimica Acta</i> , 2018 , 283, 1702-1711	6.7	16
30	Synthesis of nanoparticles, nanorods, and mesoporous SnO ₂ as anode materials for lithium-ion batteries. <i>Journal of Materials Research</i> , 2014 , 29, 609-616	2.5	16
29	Facile synthesis of ultrathin, undersized MoS ₂ /graphene for lithium-ion battery anodes. <i>RSC Advances</i> , 2016 , 6, 99833-99841	3.7	15
28	In-situ lithiation synthesis of nano-sized lithium sulfide/graphene aerogel with covalent bond interaction for inhibiting the polysulfides shuttle of Li-S batteries. <i>Electrochimica Acta</i> , 2019 , 312, 282-290	6.7	14
27	In-situ solvothermal phosphorization from nano-sized tetragonal-Sn to rhombohedral-Sn ₄ P ₃ embedded in hollow graphene sphere with high capacity and stability. <i>Electrochimica Acta</i> , 2019 , 312, 263-271	6.7	14
26	Facile fabrication and application of SnO ₂ /ZnO nanocomposites: insight into chain-like frameworks, heterojunctions and quantum dots. <i>RSC Advances</i> , 2016 , 6, 82096-82102	3.7	13
25	A double-shelled structure confining sulfur for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 811, 151434	5.7	13
24	A novel graphene modified LiMnPO ₄ as a performance-improved cathode material for lithium-ion batteries. <i>Journal of Materials Research</i> , 2013 , 28, 2584-2589	2.5	13
23	Doping effects of metal cation on sulfide solid electrolyte/lithium metal interface. <i>Nano Energy</i> , 2021 , 84, 105906	17.1	13
22	Uniform Li Deposition Sites Provided by Atomic Layer Deposition for the Dendrite-free Lithium Metal Anode. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 19530-19538	9.5	12
21	Graphene bubble film encapsulated Si@C hollow spheres as a durable anode material for lithium storage. <i>Electrochimica Acta</i> , 2020 , 361, 137074	6.7	12
20	Enhancing lithium-ion batteries performance via electron-beam irradiation strategies: A case study of graphene aerogels loaded with SnO ₂ quantum dots. <i>Electrochimica Acta</i> , 2018 , 281, 769-776	6.7	10
19	Enhancing lithium storage performance by strongly binding silicon nanoparticles sandwiching between spherical graphene. <i>Applied Surface Science</i> , 2021 , 539, 148191	6.7	10
18	Sandwich-structured graphene hollow spheres limited MnSnO/SnO heterostructures as anode materials for high-performance lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 586, 1-10	9.3	9
17	Improved low-temperature performance of surface modified lithium-rich Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ cathode materials for lithium ion batteries. <i>Solid State Ionics</i> , 2020 , 347, 115245	3.3	8
16	Synthesis of porous Li ₂ MnO ₃ -LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ nanoplates via colloidal crystal template. <i>Journal of Materials Research</i> , 2013 , 28, 1505-1511	2.5	8
15	Chemical lithiation route to size-controllable LiFePO ₄ /C nanocomposite. <i>Journal of Applied Electrochemistry</i> , 2013 , 43, 611-617	2.6	7
14	Porous ZnO/CoO/N-doped carbon nanocages synthesized via pyrolysis of complex metal-organic framework (MOF) hybrids as an advanced lithium-ion battery anode. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019 , 75, 969-978	0.8	6

13	Facile synthesis of hierarchical MnO superstructures and efficient catalytic performance. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 26602-26608	3.6	6
12	A novel Fe ₂ O ₃ rhombohedra/graphene composite as a high stability electrode for lithium-ion batteries. <i>Journal of Materials Research</i> , 2015 , 30, 761-769	2.5	5
11	Incorporation of lithium halogen in Li ₇ P ₃ S ₁₁ glass-ceramic and the interface improvement mechanism. <i>Electrochimica Acta</i> , 2021 , 390, 138849	6.7	4
10	Sn restriction and Li ₂ S reversible properties of novel sandwiched SnS@graphene hollow-sphere architecture for lithium storage. <i>Electrochimica Acta</i> , 2020 , 345, 136154	6.7	3
9	Stabilizing Li ₇ P ₃ S ₁₁ /lithium metal anode interface by in-situ bifunctional composite layer. <i>Chemical Engineering Journal</i> , 2022 , 429, 132411	14.7	3
8	Moderate Specific Surface Areas Help Three-Dimensional Frameworks Achieve Dendrite-Free Potassium-Metal Anodes.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
7	Construction of SnS-SnO heterojunctions decorated on graphene nanosheets with enhanced visible-light photocatalytic performance. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019 , 75, 812-821	0.8	1
6	One-pot synthesis and multifunctional surface modification of lithium-rich manganese-based cathode for enhanced structural stability and low-temperature performance.. <i>Journal of Colloid and Interface Science</i> , 2022 , 615, 1-9	9.3	1
5	A novel interlayer-expanded tin disulfide/reduced graphene oxide nanocomposite as anode material for high-performance sodium-ion batteries.. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 215-223	9.3	1
4	Realizing Spherical Lithium Deposition by In Situ Formation of a LiS/Li-Sn Alloy Mixed Layer on Carbon Paper for Stable and Safe Li Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48828-48837	9.5	1
3	Thermal initiation/ultraviolet cross-linking process in polyethylene oxide@Li ₆ La ₃ Zr ₁ Ta _{0.25} O ₁₂ -based composite electrolyte with high room-temperature ionic conductivity and long life cycle. <i>Journal of Power Sources</i> , 2022 , 541, 231660	8.9	1
2	Preparation of SiO _x /TiO ₂ /Si/CNTs composite microspheres as novel anodes for lithium-ion battery with good cycle stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 11025	2.1	0
1	Improvement of cycling stability and high-temperature performance of Li[Ni _{0.80} Co _{0.15} Al _{0.05}]O ₂ cathode by thin-layer AlF ₃ coating. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11141-11149	2.1	1