

Lingxing Zeng

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.

74
papers

2,366
citations

31
h-index

47
g-index

79
ext. papers

2,950
ext. citations

7.4
avg, IF

5.35
L-index

#	Paper	IF	Citations
74	Two-dimensional MoSe ₂ /chitosan-derived nitrogen-doped carbon composite enabling stable sodium/potassium storage. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 163, 110573	3.9	2
73	Structural engineering of tin sulfides anchored on nitrogen/phosphorus dual-doped carbon nanofibres in sodium/potassium-ion batteries. <i>Carbon</i> , 2022 , 189, 46-56	10.4	12
72	Structure engineering of BiSbS _x nanocrystals embedded within sulfurized polyacrylonitrile fibers for high performance of potassium-ion batteries.. <i>Chemistry - A European Journal</i> , 2022 ,	4.8	1
71	A green strategy towards fabricating FePO ₄ -graphene oxide for high-performance cathode of lithium/sodium-ion batteries recovered from spent batteries. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 913, 116287	4.1	0
70	Vanadium nitride@carbon nanofiber composite: Synthesis, cascade enzyme mimics and its sensitive and selective colorimetric sensing of superoxide anion.. <i>Biosensors and Bioelectronics</i> , 2022 , 210, 114285 ^{11.8}	11.8	3
69	Hierarchical porous MoS particles: excellent multi-enzyme-like activities, mechanism and its sensitive phenol sensing based on inhibition of sulfite oxidase mimics.. <i>Journal of Hazardous Materials</i> , 2021 , 425, 128053	12.8	5
68	Preparation of SnS ₂ /enteromorpha prolifera derived carbon composite and its performance of sodium-ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 152, 109976	3.9	3
67	Nitrogen-doped carbon encapsulated zinc vanadate polyhedron engineered from a metal-organic framework as a stable anode for alkali ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 593, 251-265	9.3	12
66	In situ simultaneous encapsulation of defective MoS ₂ nanolayers and sulfur nanodots into SPAN fibers for high rate sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 404, 126430	14.7	35
65	Dual carbon decorated germanium-carbon composite as a stable anode for sodium/potassium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 584, 372-381	9.3	12
64	Facile fabrication of WS nanocrystals confined in chlorella-derived N, P co-doped bio-carbon for sodium-ion batteries with ultra-long lifespan. <i>Dalton Transactions</i> , 2021 , 50, 14745-14752	4.3	2
63	Algal residues-engaged formation of novel WVO ₄ /V ₃ Se ₄ hybrid nanostructure with carbon fiber confinement for enhanced long-term cycling stability in sodium/potassium storage. <i>Journal of Alloys and Compounds</i> , 2021 , 892, 162177	5.7	2
62	V ₃ Se ₄ embedded within N/P co-doped carbon fibers for sodium/potassium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 419, 129607	14.7	22
61	CuO nanorods with excellent regenerable NADH peroxidase mimics and its application for selective and sensitive fluorimetric ethanol sensing. <i>Analytica Chimica Acta</i> , 2021 , 1186, 339126	6.6	8
60	Cobalt-doped MoS ₂ nanocomposite with NADH oxidase mimetic activity and its application in colorimetric biosensing of NADH. <i>Process Biochemistry</i> , 2021 , 111, 178-185	4.8	10
59	Co-construction of sulfur vacancies and carbon confinement in VS/CNFs to induce an ultra-stable performance for half/full sodium-ion and potassium-ion batteries. <i>Nanoscale</i> , 2021 , 13, 5033-5044	7.7	31
58	Facile synthesis of magnetic hierarchical flower-like CoO spheres: Mechanism, excellent tetra-enzyme mimics and their colorimetric biosensing applications. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112342	11.8	58

57	Ocean green tide derived hierarchical porous carbon with bi-enzyme mimic activities and their application for sensitive colorimetric and fluorescent biosensing. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127979	8.5	25
56	High-Performance Lithium-Ion-Based Dual-Ion Batteries Enabled by Few-Layer MoSe ₂ /Nitrogen-Doped Carbon. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5514-5523	8.3	22
55	SnS ₂ nanosheets anchored on porous carbon fibers for high performance of sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 862, 114021	4.1	9
54	Photocatalytic degradation of tetracycline hydrochloride over rugby-like EGa ₂ O ₃ with a 3D hierarchically assembled porous structure for environmental remediation. <i>Catalysis Science and Technology</i> , 2020 , 10, 3315-3323	5.5	6
53	In situ fabrication of ultrathin few-layered WSe anchored on N, P dual-doped carbon by bioreactor for half/full sodium/potassium-ion batteries with ultralong cycling lifespan. <i>Journal of Colloid and Interface Science</i> , 2020 , 574, 217-228	9.3	42
52	In situ fabrication of ZnO/MoO ₂ /C hetero-phase nanocomposite derived from MOFs with enhanced performance for lithium storage. <i>Journal of Alloys and Compounds</i> , 2020 , 817, 152728	5.7	6
51	A composite of ultra-fine few-layer MoS ₂ structures embedded on N,P-co-doped bio-carbon for high-performance sodium-ion batteries. <i>New Journal of Chemistry</i> , 2020 , 44, 2046-2052	3.6	4
50	Amorphous nickel coating on carbon nanotubes supported Pt nanoparticles as a highly durable and active electrocatalyst for methanol oxidation reaction. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 856, 113739	4.1	14
49	Confined CoGe Alloy Nanoparticles in Nitrogen-Doped Carbon Nanotubes for Boosting Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46247-46253	9.5	8
48	Synthesis of the Se-HPCF composite a liquid-solution route and its stable cycling performance in Li-Se batteries. <i>Dalton Transactions</i> , 2020 , 49, 14536-14542	4.3	2
47	Novel Bamboo-Mediated Biosynthesis of MnOx for Efficient Low-Temperature Propane Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11446-11455	8.3	4
46	Facile fabrication of a vanadium nitride/carbon fiber composite for half/full sodium-ion and potassium-ion batteries with long-term cycling performance. <i>Nanoscale</i> , 2020 , 12, 10693-10702	7.7	18
45	Template-free synthesis of metallic WS hollow microspheres as an anode for the sodium-ion battery. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 722-728	9.3	24
44	An ultra-small few-layer MoS ₂ -hierarchical porous carbon fiber composite obtained via nanocasting synthesis for sodium-ion battery anodes with excellent long-term cycling performance. <i>Dalton Transactions</i> , 2019 , 48, 4149-4156	4.3	41
43	Preparation of Ge/N, S co-doped ordered mesoporous carbon composite and its long-term cycling performance of lithium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 318, 737-745	6.7	21
42	Rock salt type NiCo ₂ O ₃ supported on ordered mesoporous carbon as a highly efficient electrocatalyst for oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117852	21.8	67
41	Green tide biomass templated synthesis of molybdenum oxide nanorods supported on carbon as efficient nanozyme for sensitive glucose colorimetric assay. <i>Sensors and Actuators B: Chemical</i> , 2019 , 296, 126517	8.5	53
40	Rational design of few-layer MoSe confined within ZnSe-C hollow porous spheres for high-performance lithium-ion and sodium-ion batteries. <i>Nanoscale</i> , 2019 , 11, 6766-6775	7.7	92

39	MoS hollow spheres in ether-based electrolyte for high performance sodium ion battery. <i>Journal of Colloid and Interface Science</i> , 2019 , 548, 20-24	9.3	27
38	Rock salt type NiO assembled on ordered mesoporous carbon as peroxidase mimetic for colorimetric assay of gallic acid. <i>Talanta</i> , 2019 , 201, 406-412	6.2	31
37	Facile Synthesis of Ultra-Small Few-Layer Nanostructured MoSe Embedded on N, P Co-Doped Bio-Carbon for High-Performance Half/Full Sodium-Ion and Potassium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2019 , 25, 13411-13421	4.8	42
36	Electrospun VSe/CNF composite with excellent performance for alkali metal ion batteries. <i>Nanoscale</i> , 2019 , 11, 16308-16316	7.7	34
35	An Sn doped 1T-2H MoS few-layer structure embedded in N/P co-doped bio-carbon for high performance sodium-ion batteries. <i>Chemical Communications</i> , 2019 , 55, 3614-3617	5.8	50
34	Facile synthesis of hierarchical lychee-like ZnVO@C/rGO nanospheres as high-performance anodes for lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 627-635	9.3	29
33	Synthesis of hierarchical Mn ₃ O ₄ microsphere composed of ultrathin nanosheets and its excellent long-term cycling performance for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 3055-3060	2.1	1
32	In Situ Synthesis of WSe ₂ /CMK-5 Nanocomposite for Rechargeable Lithium-Ion Batteries with a Long-Term Cycling Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4688-4694	8.3	37
31	Preparation of a Si/SiO ₂ -Ordered-Mesoporous-Carbon Nanocomposite as an Anode for High-Performance Lithium-Ion and Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018 , 24, 4841-4848	4.8	53
30	Preparation of hierarchical MoO ₂ @RGO composite and its application for high rate performance lithium-ion batteries. <i>Materials Letters</i> , 2018 , 212, 198-201	3.3	8
29	Hierarchical Ni ₃ S ₂ -NiOOH hetero-nanocomposite grown on nickel foam as a noble-metal-free electrocatalyst for hydrogen evolution reaction in alkaline electrolyte. <i>Applied Surface Science</i> , 2018 , 456, 164-173	6.7	34
28	Facile preparation of a V ₂ O ₃ /carbon fiber composite and its application for long-term performance lithium-ion batteries. <i>New Journal of Chemistry</i> , 2017 , 41, 5380-5386	3.6	26
27	Green synthesis of a Se/HPC/rGO composite for LiSe batteries with excellent long-term cycling performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22997-23005	13	55
26	Facile synthesis of Cu ₂ O nanorod arrays on Cu foam as a self-supporting anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 172-178	5.7	26
25	Nitrogen-doped carbon coated silicon derived from a facile strategy with enhanced performance for lithium storage. <i>Functional Materials Letters</i> , 2016 , 09, 1650055	1.2	4
24	Ethanol thermal reduction synthesis of hierarchical MoO ₂ hollow spheres with high rate performance for lithium ion batteries. <i>RSC Advances</i> , 2016 , 6, 105558-105564	3.7	24
23	Ge/GeO ₂ -Ordered Mesoporous Carbon Nanocomposite for Rechargeable Lithium-Ion Batteries with a Long-Term Cycling Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 232-9	9.5	78
22	An in situ formed Se/CMK-3 composite for rechargeable lithium-ion batteries with long-term cycling performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13646-13651	13	46

21	Nanocomposite Li ₃ V ₂ (PO ₄) ₃ /carbon as a cathode material with high rate performance and long-term cycling stability in lithium-ion batteries. <i>RSC Advances</i> , 2015 , 5, 57127-57132	3.7	12
20	Hierarchical LiZnVO ₄ @C nanostructures with enhanced cycling stability for lithium-ion batteries. <i>Dalton Transactions</i> , 2015 , 44, 7967-72	4.3	19
19	SnCo ^{II} /MK nanocomposite with improved electrochemical performance for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2015 , 71, 42-47	5.1	7
18	Prussian blue analogues Mn[Fe(CN) ₆] _{0.6667} ·nH ₂ O cubes as an anode material for lithium-ion batteries. <i>Dalton Transactions</i> , 2015 , 44, 16746-51	4.3	72
17	A VO ₂ -ordered mesoporous carbon composite with novel peroxidase-like activity towards the glucose colorimetric assay. <i>Nanoscale</i> , 2015 , 7, 11678-85	7.7	86
16	In situ synthesis of GeO ₂ /reduced graphene oxide composite on Ni foam substrate as a binder-free anode for high-capacity lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1619-1623	13	80
15	Ultrasensitive electrochemical sensor for p-nitrophenyl organophosphates based on ordered mesoporous carbons at low potential without deoxygenization. <i>Analytica Chimica Acta</i> , 2014 , 822, 23-9	6.6	37
14	Substituent effect on the oxidation peak potentials of phenol derivatives at ordered mesoporous carbons modified electrode and its application in determination of acidity coefficients (pKa). <i>Electrochimica Acta</i> , 2014 , 115, 283-289	6.7	14
13	Sensitive electrochemical microbial biosensor for p-nitrophenylorganophosphates based on electrode modified with cell surface-displayed organophosphorus hydrolase and ordered mesopore carbons. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 137-42	11.8	56
12	Synthesis of hierarchical ZnV ₂ O ₄ microspheres and its electrochemical properties. <i>CrystEngComm</i> , 2014 , 16, 10309-10313	3.3	45
11	Composites of V ₂ O ₃ -ordered mesoporous carbon as anode materials for lithium-ion batteries. <i>Carbon</i> , 2013 , 62, 382-388	10.4	79
10	Synthesis of MoO ₂ nanosheets by an ionic liquid route and its electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2013 , 580, 358-362	5.7	30
9	Simultaneous voltammetric determination of nitrophenol isomers at ordered mesoporous carbon modified electrode. <i>Electrochimica Acta</i> , 2013 , 106, 127-134	6.7	116
8	Ordered mesoporous TiO ₂ /nanocomposite as an anode material for long-term performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4293	13	105
7	MoO ₂ -ordered mesoporous carbon nanocomposite as an anode material for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2182-7	9.5	130
6	Metal platinum-wrapped mesoporous carbon for sensitive electrochemical immunosensing based on cyclodextrin functionalized graphene nanosheets. <i>Electrochimica Acta</i> , 2012 , 68, 158-165	6.7	35
5	ZnV ₂ O ₄ /MK nanocomposite as an anode material for rechargeable lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14284		62
4	Correction to Magnetic Mesoporous Organic/Inorganic NiCo ₂ O ₄ Hybrid Nanomaterials for Electrochemical Immunosensors. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 490-490	9.5	4

3	Magnetic mesoporous organic-inorganic NiCo ₂ O ₄ hybrid nanomaterials for electrochemical immunosensors. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1366-73	9.5	85
2	The in situ growth of Cu ₂ O with a honeycomb structure on a roughed graphite paper for the efficient electroreduction of CO ₂ to C ₂ H ₄ . <i>Catalysis Science and Technology</i> ,	5.5	2
1	High-Rate, Large Capacity, and Long Life Dendrite-Free Zn Metal Anode Enabled by Trifunctional Electrolyte Additive with a Wide Temperature Range. <i>Advanced Science</i> , 2201433	13.6	8