

# Zaiyuan Le

## List of Publications by Year in descending order

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27  
papers

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citations

393982

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Pseudocapacitive Sodium Storage in Mesoporous Single-Crystal-like TiO <sub>2</sub> â€“Graphene Nanocomposite Enables High-Performance Sodium-Ion Capacitors. ACS Nano, 2017, 11, 2952-2960.	7.3	542
2	Hierarchical Nanostructured WO <sub>3</sub> with Biomimetic Proton Channels and Mixed Ionic-Electronic Conductivity for Electrochemical Energy Storage. Nano Letters, 2015, 15, 6802-6808.	4.5	157
3	Graphene Caging Silicon Particles for High-Performance Lithium-Ion Batteries. Small, 2018, 14, e1800635.	5.2	146
4	Regenerative Polysulfide-Scavenging Layers Enabling Lithium-Sulfur Batteries with High Energy Density and Prolonged Cycling Life. ACS Nano, 2017, 11, 2697-2705.	7.3	132
5	Nanosheets assembled layered MoS <sub>2</sub> /MXene as high performance anode materials for potassium ion batteries. Journal of Power Sources, 2020, 449, 227481.	4.0	125
6	Graphene oxide enhanced amine-functionalized titanium metal organic framework for visible-light-driven photocatalytic oxidation of gaseous pollutants. Applied Catalysis B: Environmental, 2018, 236, 501-508.	10.8	116
7	Prussian Blue Analogue with Fast Kinetics Through Electronic Coupling for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 20306-20312.	4.0	96
8	Robust iron nanoparticles with graphitic shells for high-performance Ni-Fe battery. Nano Energy, 2016, 30, 217-224.	8.2	76
9	Mesoporous single-crystal-like TiO <sub>2</sub> mesocages threaded with carbon nanotubes for high-performance electrochemical energy storage. Nano Energy, 2017, 35, 44-51.	8.2	75
10	Anchoring anions with metal-organic framework-functionalized separators for advanced lithium batteries. Nanoscale Horizons, 2019, 4, 705-711.	4.1	71
11	Well-dispersed phosphorus nanocrystals within carbon via high-energy mechanical milling for high performance lithium storage. Nano Energy, 2019, 59, 464-471.	8.2	70
12	Post Iron Decoration of Mesoporous Nitrogen-Doped Carbon Spheres for Efficient Electrochemical Oxygen Reduction. Advanced Energy Materials, 2017, 7, 1701154.	10.2	65
13	Emerging Potassium-Ion Hybrid Capacitors. ChemSusChem, 2020, 13, 5837-5862.	3.6	65
14	Encapsulation of SnO <sub>2</sub> nanocrystals into hierarchically porous carbon by melt infiltration for high-performance lithium storage. Journal of Materials Chemistry A, 2016, 4, 18706-18710.	5.2	42
15	Microwave-assisted synthesis of 1T MoS <sub>2</sub> /Cu nanowires with enhanced capacity and stability as anode for LIBs. Chemical Engineering Journal, 2019, 374, 429-436.	6.6	42
16	Aerosol-Assisted Synthesis of Spherical Sb/C Composites as Advanced Anodes for Lithium Ion and Sodium Ion Batteries. ACS Applied Energy Materials, 2018, 1, 6381-6387.	2.5	32
17	Iron-decorated nitrogen-rich carbons as efficient oxygen reduction electrocatalysts for Zn-air batteries. Nanoscale, 2018, 10, 16996-17001.	2.8	25
18	Perovskite-type CaMnO <sub>3</sub> anode material for highly efficient and stable lithium ion storage. Journal of Colloid and Interface Science, 2021, 584, 698-705.	5.0	21

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19	EMIHSO <sub>4</sub> -Based Polymer Ionic Liquid Electrolyte for Electrochemical Capacitors. <i>Electrochemical and Solid-State Letters</i> , 2011, 15, A19-A22.	2.2	19
20	Assembly of mesoporous SnO <sub>2</sub> spheres and carbon nanotubes network as a high-performance anode for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 15621-15630.	1.7	17
21	Better lithium-ion storage materials made through hierarchical assemblies of active nanorods and nanocrystals. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17536-17544.	5.2	12
22	Dealloying Synthesis of Silicon Nanotubes for High-Performance Lithium Ion Batteries. <i>ChemPhysChem</i> , 2022, 23, e202200233.	1.0	10
23	Mesoporous crystalline/amorphous oxide nanocomposite network for high-performance lithium storage. <i>Chemical Communications</i> , 2015, 51, 12056-12059.	2.2	7
24	Highly Dispersed Antimony-Bismuth Alloy Encapsulated in Carbon Nanofibers for Ultrastable K-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6587-6596.	2.1	7
25	EMIHSO <sub>4</sub> -Based Polymer Electrolytes and Their Applications in Solid Electrochemical Capacitors. <i>ECS Transactions</i> , 2013, 50, 411-417.	0.3	6
26	Dealloying Synthesis of Silicon Nanotubes for High-Performance Lithium Ion Batteries. <i>ChemPhysChem</i> , 2022, , .	1.0	2
27	Front Cover: Dealloying Synthesis of Silicon Nanotubes for High-Performance Lithium Ion Batteries ( <i>ChemPhysChem</i> 9/2022). <i>ChemPhysChem</i> , 2022, 23, .	1.0	0