

# Borui Liu

## List of Publications by Year in descending order

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25  
papers

4,277  
citations

361045

20  
h-index

580395

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

7624  
citing authors

#	ARTICLE	IF	CITATIONS
1	All room-temperature synthesis, N <sub>2</sub> photofixation and reactivation over 2D cobalt oxides. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 121001.	10.8	11
2	Dual-Ion Flux Management for Stable High Areal Capacity Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	14
3	Nanoscale TiO <sub>2</sub> Coatings Improve the Stability of an Earth-Abundant Cobalt Oxide Catalyst during Acidic Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 33130-33140.	4.0	13
4	Engineering the Activity and Stability of MOF-Nanocomposites for Efficient Water Oxidation. <i>Advanced Energy Materials</i> , 2021, 11, 2003759.	10.2	108
5	Covalent Coupling-Stabilized Transition-Metal Sulfide/Carbon Nanotube Composites for Lithium/Sodium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 6735-6746.	7.3	95
6	Oxygen Evolution Reaction: Engineering the Activity and Stability of MOF-Nanocomposites for Efficient Water Oxidation ( <i>Adv. Energy Mater.</i> 16/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170063.	10.2	3
7	Hierarchical Metal-Organic Framework Films with Controllable Meso/Macroporosity. <i>Advanced Science</i> , 2020, 7, 2002368.	5.6	32
8	Janus Conductive/Insulating Microporous Ion-Sieving Membranes for Stable Li-S Batteries. <i>ACS Nano</i> , 2020, 14, 13852-13864.	7.3	74
9	Metal-Organic Frameworks/Conducting Polymer Hydrogel Integrated Three-Dimensional Free-Standing Monoliths as Ultrahigh Loading Li-S Battery Electrodes. <i>Nano Letters</i> , 2019, 19, 4391-4399.	4.5	115
10	Fabrication of cubic spinel MnCo <sub>2</sub> O <sub>4</sub> nanoparticles embedded in graphene sheets with their improved lithium-ion and sodium-ion storage properties. <i>Journal of Power Sources</i> , 2016, 326, 252-263.	4.0	58
11	In-situ synthesis and properties of cordierite-bonded porous SiC membrane supports using diatomite as silicon source. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3465-3472.	2.8	35
12	Chemically integrated hierarchical hybrid zinc cobaltate/reduced graphene oxide microspheres as an enhanced lithium-ion battery anode. <i>RSC Advances</i> , 2016, 6, 4914-4924.	1.7	11
13	Coaxial CoMoO <sub>4</sub> nanowire arrays with chemically integrated conductive coating for high-performance flexible all-solid-state asymmetric supercapacitors. <i>Nanoscale</i> , 2015, 7, 15159-15167.	2.8	49
14	3D Nanostructured Molybdenum Diselenide/Graphene Foam as Anodes for Long-Cycle Life Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2015, 176, 103-111.	2.6	107
15	Morphology-tunable ultrafine metal oxide nanostructures uniformly grown on graphene and their applications in the photo-Fenton system. <i>Nanoscale</i> , 2015, 7, 14254-14263.	2.8	65
16	Coaxial three-dimensional CoMoO <sub>4</sub> nanowire arrays with conductive coating on carbon cloth for high-performance lithium ion battery anode. <i>Journal of Power Sources</i> , 2015, 300, 132-138.	4.0	72
17	Surface Coating Constraint Induced Self-Discharging of Silicon Nanoparticles as Anodes for Lithium Ion Batteries. <i>Nano Letters</i> , 2015, 15, 7016-7022.	4.5	113
18	Flexible all-solid-state asymmetric supercapacitor assembled using coaxial NiMoO <sub>4</sub> nanowire arrays with chemically integrated conductive coating. <i>Electrochimica Acta</i> , 2015, 178, 429-438.	2.6	66

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19	Single-Crystalline LiFePO <sub>4</sub> Nanosheets for High-Rate Li-Ion Batteries. Nano Letters, 2014, 14, 2849-2853.	4.5	308
20	Nanostructured conductive polypyrrole hydrogels as high-performance, flexible supercapacitor electrodes. Journal of Materials Chemistry A, 2014, 2, 6086-6091.	5.2	624
21	Chemically Integrated Two-Dimensional Hybrid Zinc Manganate/Graphene Nanosheets with Enhanced Lithium Storage Capability. ACS Nano, 2014, 8, 8610-8616.	7.3	141
22	3D nanostructured conductive polymer hydrogels for high-performance electrochemical devices. Energy and Environmental Science, 2013, 6, 2856.	15.6	351
23	Ultrathin Two-Dimensional MnO <sub>2</sub> /Graphene Hybrid Nanostructures for High-Performance, Flexible Planar Supercapacitors. Nano Letters, 2013, 13, 2151-2157.	4.5	818
24	Highly Sensitive Glucose Sensor Based on Pt Nanoparticle/Polyaniline Hydrogel Heterostructures. ACS Nano, 2013, 7, 3540-3546.	7.3	699
25	Three-Dimensional Hierarchical Ternary Nanostructures for High-Performance Li-Ion Battery Anodes. Nano Letters, 2013, 13, 3414-3419.	4.5	295