Ruo Zhao

List of Publications by Year
in descending order

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31 papers	3,418 citations	331259 21 h-index	414034 32 g-index
33 all docs	33 docs citations	33 times ranked	4877 citing authors

#	Article	IF	Citations
1	Antiperovskite Electrolytes for Solid-State Batteries. Chemical Reviews, 2022, 122, 3763-3819.	23.0	96
2	Lithium-Rich Anti-perovskite Li₂OHBr-Based Polymer Electrolytes Enabling an Improved Interfacial Stability with a Three-Dimensional-Structured Lithium Metal Anode in All-Solid-State Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28108-28117.	4.0	13
3	Antiperovskite Ionic Conductor Layer for Stabilizing the Interface of NASICON Solid Electrolyte Against Li Metal in Allâ€Solidâ€State Batteries**. Batteries and Supercaps, 2021, 4, 1491-1498.	2.4	23
4	Stabilization of NASICON-Type Electrolyte against Li Anode via an Ionic Conductive MOF-Incorporated Adhesive Interlayer. ACS Energy Letters, 2021, 6, 3141-3150.	8.8	32
5	Regulating the lithium metal growth by Li3BO3/Li2OHCl solid-state electrolyte for long-lasting lithium metal stripping-plating. Journal of Power Sources, 2021, 507, 230299.	4.0	8
6	Configuring solid-state batteries to power electric vehicles: a deliberation on technology, chemistry and energy. Chemical Communications, 2021, 57, 12587-12594.	2.2	18
7	Li-Rich Antiperovskite/Nitrile Butadiene Rubber Composite Electrolyte for Sheet-Type Solid-State Lithium Metal Battery. Frontiers in Chemistry, 2021, 9, 744417.	1.8	8
8	Fabrication of Hollow CoP/TiO<i>_x</i> Heterostructures for Enhanced Oxygen Evolution Reaction. Small, 2020, 16, e1905075.	5.2	117
9	Mechanism of enhanced ionic conductivity by rotational nitrite group in antiperovskite Na₃ONO₂. Journal of Materials Chemistry A, 2020, 8, 21265-21272.	5.2	29
10	Metalâ€"organic frameworks for solid-state electrolytes. Energy and Environmental Science, 2020, 13, 2386-2403.	15.6	182
11	Engineering atomically dispersed metal sites for electrocatalytic energy conversion. Nano Energy, 2019, 64, 103917.	8.2	59
12	Metal-organic framework-derived materials for electrochemical energy applications. EnergyChem, 2019, 1, 100001.	10.1	438
13	Nanobundles of Iron Phosphide Fabricated by Direct Phosphorization of Metalâ€"Organic Frameworks as an Efficient Hydrogenâ€Evolving Electrocatalyst. Chemistry - A European Journal, 2019, 26, 4001.	1.7	13
14	Synergistic Effect of Coâ€"Ni Hybrid Phosphide Nanocages for Ultrahigh Capacity Fast Energy Storage. Advanced Science, 2019, 6, 1802005.	5.6	130
15	InnenrÃ¼cktitelbild: Puffing Up Energetic Metal-Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites (Angew. Chem. 7/2019). Angewandte Chemie, 2019, 131, 2177-2177.	1.6	0
16	Puffing Up Energetic Metalâ€"Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites. Angewandte Chemie, 2019, 131, 1997-2001.	1.6	64
17	Puffing Up Energetic Metalâ€"Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites. Angewandte Chemie - International Edition, 2019, 58, 1975-1979.	7.2	237
18	MOF-derived Î±-NiS nanorods on graphene as an electrode for high-energy-density supercapacitors. Journal of Materials Chemistry A, 2018, 6, 4003-4012.	5.2	231

#	Article	IF	Citations
19	Metal-Organic Frameworks for Batteries. Joule, 2018, 2, 2235-2259.	11.7	462
20	Fe₂N/S/N Codecorated Hierarchical Porous Carbon Nanosheets for Trifunctional Electrocatalysis. Small, 2018, 14, e1803500.	5.2	80
21	Metalâ€“Organic Frameworks Derived Cobalt Phosphide Architecture Encapsulated into B/N Coâ€Doped Graphene Nanotubes for All pH Value Electrochemical Hydrogen Evolution. Advanced Energy Materials, 2017, 7, 1601671.	10.2	336
22	Fabrication of Co₃O₄ nanoparticles in thin porous carbon shells from metalâ€“organic frameworks for enhanced electrochemical performance. RSC Advances, 2017, 7, 13340-13346.	1.7	55
23	Hierarchical Cobalt Hydroxide and B/N Co-Doped Graphene Nanohybrids Derived from Metal-Organic Frameworks for High Energy Density Asymmetric Supercapacitors. Scientific Reports, 2017, 7, 43084.	1.6	73
24	Hydrogen Evolution: Metalâ€“Organic Frameworks Derived Cobalt Phosphide Architecture Encapsulated into B/N Coâ€Doped Graphene Nanotubes for All pH Value Electrochemical Hydrogen Evolution (Adv. Energy Mater. 9/2017). Advanced Energy Materials, 2017, 7, .	10.2	3
25	A pore-expansion strategy to synthesize hierarchically porous carbon derived from metal-organic framework for enhanced oxygen reduction. Carbon, 2017, 114, 284-290.	5.4	92
26	Metal-Organic Frameworks: Bimetallic Metal-Organic Frameworks: Probing the Lewis Acid Site for CO2Conversion (Small 17/2016). Small, 2016, 12, 2386-2386.	5.2	2
27	Bimetallic Metalâ€Organic Frameworks: Probing the Lewis Acid Site for CO₂ Conversion. Small, 2016, 12, 2334-2343.	5.2	122
28	Exposing residual catalyst in a carbon nanotube sponge. RSC Advances, 2016, 6, 45103-45111.	1.7	9
29	Nanostructured Electrode Materials Derived from Metalâ€“Organic Framework Xerogels for High-Energy-Density Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2016, 8, 2148-2157.	4.0	140
30	Lithium Ion Batteries: Facile Synthesis of Ultrasmall CoS₂Nanoparticles within Thin N-Doped Porous Carbon Shell for High Performance Lithium-Ion Batteries (Small 21/2015). Small, 2015, 11, 2510-2510.	5.2	4
31	Facile Synthesis of Ultrasmall CoS₂Nanoparticles within Thin N-Doped Porous Carbon Shell for High Performance Lithium-Ion Batteries. Small, 2015, 11, 2511-2517.	5.2	334