

Qi Yang

List of Publications by Year in descending order

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16
papers

490
citations

759233

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940533

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docs citations

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times ranked

691
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical CuO octahedra inherited from copper metal-organic frameworks: high-rate and high-capacity lithium-ion storage materials stimulated by pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12828-12837.	10.3	80
2	Green and Rational Design of 3D Layer-by-Layer MnO _x Hierarchically Mesoporous Microcuboids from MOF Templates for High-Rate and Long-Life Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14684-14697.	8.0	55
3	Remarkable improvement in the lithium storage property of Co ₂ (OH) ₂ BDC MOF by covalent stitching to graphene and the redox chemistry boosted by delocalized electron spins. <i>Chemical Engineering Journal</i> , 2017, 326, 1000-1008.	12.7	53
4	Cu-Doped P2-Na _{0.7} Mn _{0.9} Cu _{0.1} O ₂ Sodium-Ion Battery Cathode with Enhanced Electrochemical Performance: Insight from Water Sensitivity and Surface Mn(II) Formation Studies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34848-34857.	8.0	41
5	Restraining Oxygen Loss and Boosting Reversible Oxygen Redox in a P2-Type Oxide Cathode by Trace Anion Substitution. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 360-369.	8.0	38
6	The electrochemical Na intercalation/extraction mechanism of ultrathin cobalt(II) terephthalate-based MOF nanosheets revealed by synchrotron X-ray absorption spectroscopy. <i>Energy Storage Materials</i> , 2018, 14, 82-89.	18.0	35
7	Anionic redox reaction in Na-deficient layered oxide cathodes: Role of Sn/Zr substituents and in-depth local structural transformation revealed by solid-state NMR. <i>Energy Storage Materials</i> , 2021, 39, 60-69.	18.0	35
8	One-Pot Synthesis of Co-Based Coordination Polymer Nanowire for Li-Ion Batteries with Great Capacity and Stable Cycling Stability. <i>Nano-Micro Letters</i> , 2018, 10, 19.	27.0	33
9	Highly reversible lithium storage in cobalt 2,5-dioxido-1,4-benzenedicarboxylate metal-organic frameworks boosted by pseudocapacitance. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 365-372.	9.4	31
10	Mapping the Distribution and the Microstructural Dimensions of Metallic Lithium Deposits in an Anode-Free Battery by In Situ EPR Imaging. <i>Chemistry of Materials</i> , 2021, 33, 8223-8234.	6.7	24
11	Operando EPR and EPR Imaging Study on a NaCrO ₂ Cathode: Electronic Property and Structural Degradation with Cr Dissolution. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 781-786.	4.6	19
12	Amorphization and disordering of metal-organic framework materials for rechargeable batteries by thermal treatment. <i>New Journal of Chemistry</i> , 2017, 41, 6415-6419.	2.8	14
13	A green ligand-based copper-organic framework: a high-capacity lithium storage material and insight into its abnormal capacity-increase behavior. <i>New Journal of Chemistry</i> , 2020, 44, 17899-17905.	2.8	10
14	Suppressing Singlet Oxygen Formation during the Charge Process of Li-O ₂ Batteries with a Co ₃ O ₄ Solid Catalyst Revealed by Operando Electron Paramagnetic Resonance. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10346-10352.	4.6	10
15	Self-assembled 3D Ni _x Co _{3-x} O ₄ pseudocube superstructure as potential anode material for Li-Ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 814, 152319.	5.5	8
16	Centrifugal Field Guided Dual Templating Synthesis of Functional Macro-Microporous Carbon. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800262.	2.3	4