

Tao Sun

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,972
citations

567281

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h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

2720
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytically active atomically thin cuprate with periodic Cu single sites. National Science Review, 2023, 10, .	9.5	2
2	Poly(2,5-dihydroxy-1,4-benzoquinonyl Sulfide) As an Efficient Cathode for High-Performance Aqueous Zinc-Organic Batteries. Advanced Functional Materials, 2021, 31, 2010049.	14.9	143
3	Solvation Effect on the Improved Sodium Storage Performance of N-Heteropentacenequinone for Sodium-Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 26806-26812.	13.8	26
4	Understanding cathode materials in aqueous zinc-organic batteries. Current Opinion in Electrochemistry, 2021, 30, 100799.	4.8	18
5	Polypyrrole as an ultrafast organic cathode for dual-ion batteries. EScience, 2021, 1, 186-193.	41.6	32
6	Covalent-Organic Frameworks: Advanced Organic Electrode Materials for Rechargeable Batteries. Advanced Energy Materials, 2020, 10, 1904199.	19.5	425
7	Base-iodine-promoted metal-catalyst-free reactions of [60]fullerene with β -keto esters for the selective formation of [60]fullerene derivatives. RSC Advances, 2020, 10, 24549-24554.	3.6	2
8	Reconstructed Orthorhombic V ₂ O ₅ Polyhedra for Fast Ion Diffusion in K-Ion Batteries. Chem, 2019, 5, 168-179.	11.7	174
9	Imine-Rich Poly(<i>o</i> -phenylenediamine) as High-Capacity Trifunctional Organic Electrode for Alkali-Ion Batteries. CCS Chemistry, 2019, 1, 365-372.	7.8	40
10	High-Energy-Density Flexible Potassium-Ion Battery Based on Patterned Electrodes. Joule, 2018, 2, 736-746.	24.0	199
11	Recent Progresses and Prospects of Cathode Materials for Non-aqueous Potassium-Ion Batteries. Electrochemical Energy Reviews, 2018, 1, 548-566.	25.5	48
12	Achieving of High Density/Utilization of Active Groups via Synergic Integration of C=N and C=O Bonds for Ultra-Stable and High-Rate Lithium-Ion Batteries. Research, 2018, 2018, 1936735.	5.7	28
13	Transformation of Rusty Stainless-Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. Angewandte Chemie, 2017, 129, 7989-7993.	2.0	46
14	Transformation of Rusty Stainless-Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. Angewandte Chemie - International Edition, 2017, 56, 7881-7885.	13.8	241
15	Regiocontrolled Electrosynthesis of [60]Fullerene Bisadducts: Photovoltaic Performance and Crystal Structures of C ₆₀ -Quinodimethane Bisadducts. Journal of Organic Chemistry, 2017, 82, 8676-8685.	3.2	15
16	P3-type K _{0.33} Co _{0.53} Mn _{0.47} O ₂ ·0.39H ₂ O: a novel bifunctional electrode for Na-ion batteries. Materials Horizons, 2017, 4, 1122-1127.	12.2	41
17	A Biodegradable Polydopamine-Derived Electrode Material for High-Capacity and Long-Life Lithium-Ion and Sodium-Ion Batteries. Angewandte Chemie, 2016, 128, 10820-10824.	2.0	131
18	A Biodegradable Polydopamine-Derived Electrode Material for High-Capacity and Long-Life Lithium-Ion and Sodium-Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 10662-10666.	13.8	325

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19	Reductive Benzoylation of Singly Bonded 1,2,4,15-C ₆₀ Dimers with an Oxazoline or Imidazoline Heterocycle: Unexpected Formation of 1,2,3,16-C ₆₀ Adducts and Insights into the Reactivity of Singly Bonded C ₆₀ Dimers. <i>Journal of Organic Chemistry</i> , 2015, 80, 3566-3571.	3.2	8
20	Electronic vs Steric Effects on the Stability of Anionic Species: A Case Study on the Ortho and Para Regioisomers of Organofullerenes. <i>Journal of Organic Chemistry</i> , 2015, 80, 1557-1563.	3.2	11
21	Preparation of a C ₇₀ Bis-heterocyclic Derivative with High Chemio- and Regioselectivity. <i>Journal of Organic Chemistry</i> , 2015, 80, 5315-5319.	3.2	6
22	Oxazoline and Imidazoline Functionalization of a C ₆₀ Dimer via the Reaction of C ₆₀ H ₁₈ N and Aromatic Nitriles with a Bifunctional Hydroxide. <i>Journal of Organic Chemistry</i> , 2014, 79, 197-203.	3.2	9
23	Solvation Effect on the Improved Sodium Storage Performance of N-heteropentacenequinone. <i>Angewandte Chemie</i> , 0, , .	2.0	2