

# Tao Sun

## List of Publications by Year in descending order

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23  
papers

1,972  
citations

567281

15  
h-index

677142

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g-index

23  
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23  
docs citations

23  
times ranked

2720  
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent Organic Frameworks: Advanced Organic Electrode Materials for Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1904199.	19.5	425
2	A Biodegradable Polydopamine-Derived Electrode Material for High-Capacity and Long-Life Lithium-Ion and Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10662-10666.	13.8	325
3	Transformation of Rusty Stainless-Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7881-7885.	13.8	241
4	High-Energy-Density Flexible Potassium-Ion Battery Based on Patterned Electrodes. <i>Joule</i> , 2018, 2, 736-746.	24.0	199
5	Reconstructed Orthorhombic V <sub>2</sub> O <sub>5</sub> Polyhedra for Fast Ion Diffusion in K-Ion Batteries. <i>Chem</i> , 2019, 5, 168-179.	11.7	174
6	Poly(2,5-Dihydroxy-1,4-Benzoquinonyl Sulfide) As an Efficient Cathode for High-Performance Aqueous Zinc-Organic Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2010049.	14.9	143
7	A Biodegradable Polydopamine-Derived Electrode Material for High-Capacity and Long-Life Lithium-Ion and Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2016, 128, 10820-10824.	2.0	131
8	Recent Progresses and Prospects of Cathode Materials for Non-aqueous Potassium-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2018, 1, 548-566.	25.5	48
9	Transformation of Rusty Stainless-Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. <i>Angewandte Chemie</i> , 2017, 129, 7989-7993.	2.0	46
10	P3-type K <sub>0.33</sub> Co <sub>0.53</sub> Mn <sub>0.47</sub> O <sub>2</sub> ·0.39H <sub>2</sub> O: a novel bifunctional electrode for Na-ion batteries. <i>Materials Horizons</i> , 2017, 4, 1122-1127.	12.2	41
11	Imine-Rich Poly( <i>o</i> -phenylenediamine) as High-Capacity Trifunctional Organic Electrode for Alkali-Ion Batteries. <i>CCS Chemistry</i> , 2019, 1, 365-372.	7.8	40
12	Polypyrrole as an ultrafast organic cathode for dual-ion batteries. <i>EScience</i> , 2021, 1, 186-193.	41.6	32
13	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. <i>Research</i> , 2018, 2018, 1936735.	5.7	28
14	Solvation Effect on the Improved Sodium Storage Performance of N-Heteropentacenequinone for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26806-26812.	13.8	26
15	Understanding cathode materials in aqueous zinc-organic batteries. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100799.	4.8	18
16	Regiocontrolled Electrosynthesis of [60]Fullerene Bisadducts: Photovoltaic Performance and Crystal Structures of C <sub>60</sub> -Quinodimethane Bisadducts. <i>Journal of Organic Chemistry</i> , 2017, 82, 8676-8685.	3.2	15
17	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
18	Oxazoline and Imidazoline Functionalization of a C <sub>60</sub> Dimer via the Reaction of C <sub>60</sub> H <sub>n</sub> and Aromatic Nitriles with a Bifunctional Hydroxide. <i>Journal of Organic Chemistry</i> , 2014, 79, 197-203.	3.2	9

#	ARTICLE	IF	CITATIONS
19	Reductive Benzoylation of Singly Bonded 1,2,4,15-C <sub>60</sub> Dimers with an Oxazoline or Imidazoline Heterocycle: Unexpected Formation of 1,2,3,16-C <sub>60</sub> Adducts and Insights into the Reactivity of Singly Bonded C <sub>60</sub> Dimers. <i>Journal of Organic Chemistry</i> , 2015, 80, 3566-3571.	3.2	8
20	Preparation of a C70 Bis-heterocyclic Derivative with High Chemio- and Regioselectivity. <i>Journal of Organic Chemistry</i> , 2015, 80, 5315-5319.	3.2	6
21	Base-iodine-promoted metal-catalyst-free reactions of [60]fullerene with $\beta$ -keto esters for the selective formation of [60]fullerene derivatives. <i>RSC Advances</i> , 2020, 10, 24549-24554.	3.6	2
22	Solvation Effect on the Improved Sodium Storage Performance of Na $\kappa$ -heteropentacenequinone. <i>Angewandte Chemie</i> , 0, , .	2.0	2
23	Catalytically active atomically thin cuprate with periodic Cu single sites. <i>National Science Review</i> , 2023, 10, .	9.5	2