Chuan-Fu Sun

List of Publications by Year
in descending order

41 papers	2,443 citations	172457 29 h-index	265206 42 g-index
50 all docs	50 docs citations	50 times ranked	2726 citing authors

#	Article	IF	Citations
1	K2.13V1.52Ti0.48(PO4)3 as an anode material with a long cycle life for potassium-ion batteries. Electrochemistry Communications, 2022, 136, 107247.	4.7	4
2	The 2021 battery technology roadmap. Journal Physics D: Applied Physics, 2021, 54, 183001.	2.8	158
3	Carbon supported tin sulfide anodes for potassium-ion batteries. Journal of Physics and Chemistry of Solids, 2021, 153, 109992.	4.0	11
4	Recycling Cathodes from Spent Lithium-Ion Batteries Based on the Selective Extraction of Lithium. ACS Sustainable Chemistry and Engineering, 2021, 9, 10196-10204.	6.7	23
5	Ultrafast-kinetics, ultralong-cycle-life, bifunctional inorganic open-framework for potassium-ion batteries. Energy Storage Materials, 2021, 42, 806-814.	18.0	7
6	Massâ€Producible, Quasiâ€Zeroâ€Strain, Latticeâ€Waterâ€Rich Inorganic Openâ€Frameworks for Ultrafastâ€Charging and Longâ€Cycling Zincâ€Ion Batteries. Advanced Materials, 2020, 32, e2003592.	21.0	66
7	A potassiumâ€"tellurium battery. Energy Storage Materials, 2020, 28, 10-16.	18.0	49
8	Approaching the voltage and energy density limits of potassiumâ€"selenium battery chemistry in a concentrated ether-based electrolyte. Chemical Science, 2020, 11, 6045-6052.	7.4	38
9	Highly reversible potassium-ion intercalation in tungsten disulfide. Chemical Science, 2019, 10, 2604-2612.	7.4	74
10	Safe, Lowâ€Cost, Fastâ€Kinetics and Lowâ€Strain Inorganicâ€Openâ€Framework Anode for Potassiumâ€Ion Batteries. Angewandte Chemie, 2019, 131, 16626-16631.	2.0	11
11	Safe, Lowâ€Cost, Fastâ€Kinetics and Lowâ€Strain Inorganicâ€Openâ€Framework Anode for Potassiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 16474-16479.	13.8	56
12	Concentrated electrolytes unlock the full energy potential of potassium-sulfur battery chemistry. Energy Storage Materials, 2019, 18, 470-475.	18.0	72
13	Concentrated electrolytes stabilize bismuthâ€"potassium batteries. Chemical Science, 2018, 9, 6193-6198.	7.4	139
14	Hierarchically porous nitrogen-doped carbon nanotubes derived from coreâ€"shell ZnO@zeolitic imidazolate framework nanorods for highly efficient oxygen reduction reactions. Journal of Materials Chemistry A, 2017, 5, 12322-12329.	10.3	93
15	Superacid-Surfactant Exchange: Enabling Nondestructive Dispersion of Full-Length Carbon Nanotubes in Water. ACS Nano, 2017, 11, 9231-9238.	14.6	33
16	Blocking Oxidation Failures of Carbon Nanotubes through Selective Protection of Defects. Advanced Materials, 2016, 28, 6672-6679.	21.0	14
17	Li₃PO₄ Matrix Enables a Long Cycle Life and High Energy Efficiency Bismuth-Based Battery. Nano Letters, 2016, 16, 5875-5882.	9.1	37
18	Dual-template ordered mesoporous carbon/Fe₂O₃nanowires as lithium-ion battery anodes. Nanoscale, 2016, 8, 12958-12969.	5.6	72

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19	Selective Breakdown of Metallic Pathways in Doubleâ€Walled Carbon Nanotube Networks. Small, 2015, 11, 96-102.	10.0	10
20	Interfacial Oxygen Stabilizes Composite Silicon Anodes. Nano Letters, 2015, 15, 703-708.	9.1	57
21	Ammonium Laurate Surfactant for Cleaner Deposition of Carbon Nanotubes. Langmuir, 2015, 31, 6948-6955.	3.5	4
22	Hoop-Strong Nanotubes for Battery Electrodes. ACS Nano, 2013, 7, 8295-8302.	14.6	52
23	A Beaded-String Silicon Anode. ACS Nano, 2013, 7, 2717-2724.	14.6	68
24	Weavable high-capacity electrodes. Nano Energy, 2013, 2, 987-994.	16.0	39
25	Covalently Functionalized Double-Walled Carbon Nanotubes Combine High Sensitivity and Selectivity in the Electrical Detection of Small Molecules. Journal of the American Chemical Society, 2013, 135, 2306-2312.	13.7	67
26	PbPt(IO3)6(H2O): a new polar material with two types of stereoactive lone-pairs and a very large SHG response. Chemical Communications, 2012, 48, 4220.	4.1	79
27	Syntheses, crystal structures and characterizations of new vanadium arsenites and arsenates. Journal of Solid State Chemistry, 2012, 192, 263-272.	2.9	4
28	Second-Order Nonlinear Optical Materials Based on Metal Iodates, Selenites, and Tellurites. Structure and Bonding, 2012, , 43-103.	1.0	46
29	Electronic structures and optical properties of Ca₅(BO₃)₃F: a systematical first-principles study. Journal of Physics Condensed Matter, 2011, 23, 395501.	1.8	11
30	Explorations of New Second-Order Nonlinear Optical Materials in the Potassium Vanadyl Iodate System. Journal of the American Chemical Society, 2011, 133, 5561-5572.	13.7	239
31	A series of new alkali metal indium iodates with isolated or extended anions. Dalton Transactions, 2011, 40, 1055-1060.	3.3	20
32	Structures and properties of functional metal iodates. Science China Chemistry, 2011, 54, 911-922.	8.2	62
33	Distinct Cd(II)-tetrazole frameworks determined by auxiliary anions. Inorganic Chemistry Communication, 2011, 14, 1333-1336.	3.9	14
34	Polar or Non-Polar? Syntheses, Crystal Structures, and Optical Properties of Three New Palladium(II) Iodates. Inorganic Chemistry, 2010, 49, 9581-9589.	4.0	44
35	Syntheses and crystal structures of four new silver(i) iodates with d⁰-transition metal cations. Dalton Transactions, 2010, 39, 1473-1479.	3.3	43
36	Explorations of New Second-Order Nonlinear Optical Materials in the K^I-M^{II}-I^V-O Systems. Inorganic Chemistry, 2010, 49, 4599-4605.	4.0	41

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37	NaVO₂(IO₃)₂(H₂O): A Unique Layered Material Produces A Very Strong SHG Response. Chemistry of Materials, 2010, 22, 1545-1550.	6.7	134
38	Syntheses, crystal structures, and properties of three new lanthanum(iii) vanadium iodates. Dalton Transactions, 2010, 39, 7960.	3.3	52
39	Syntheses and Crystal Structures of a Series of Alkaline Earth Vanadium Selenites and Tellurites. Inorganic Chemistry, 2010, 49, 11627-11636.	4.0	38
40	Syntheses, Crystal Structures, and Properties of Five New Transition Metal Molybdenum(VI) Selenites and Tellurites. Inorganic Chemistry, 2009, 48, 11809-11820.	4.0	48
41	BaNbO(IO₃)₅: A New Polar Material with a Very Large SHG Response. Journal of the American Chemical Society, 2009, 131, 9486-9487.	13.7	306