

Dong-Wook Han

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,049
citations

516710

16
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1806
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural enhancement of Na ₃ V ₂ (PO ₄) ₃ /C composite cathode materials by pillar ion doping for high power and long cycle life sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19623-19632.	10.3	156
2	Syntheses and Characterization of Wurtzite CoO, Rocksalt CoO, and Spinel Co ₃ O ₄ Nanocrystals: Their Interconversion and Tuning of Phase and Morphology. <i>Chemistry of Materials</i> , 2010, 22, 4446-4454.	6.7	149
3	Na ₃ V ₂ (PO ₄) ₃ particles partly embedded in carbon nanofibers with superb kinetics for ultra-high power sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1005-1009.	10.3	92
4	Effects of (NH ₄) ₂ SO ₄ and BTA on the nanostructure of copper foam prepared by electrodeposition. <i>Electrochimica Acta</i> , 2011, 56, 9397-9405.	5.2	86
5	Synergistic effects of various morphologies and Al doping of spinel LiMn ₂ O ₄ nanostructures on the electrochemical performance of lithium-rechargeable batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 15337.	6.7	70
6	Fabrication of Graphene Embedded LiFePO ₄ Using a Catalyst Assisted Self Assembly Method as a Cathode Material for High Power Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4731-4736.	8.0	70
7	Effects of Cl doping on the structural and electrochemical properties of high voltage LiMn _{1.5} Ni _{0.5} O ₄ cathode materials for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2014, 592, 48-52.	5.5	62
8	Structurally stabilized olivine lithium phosphate cathodes with enhanced electrochemical properties through Fe doping. <i>Energy and Environmental Science</i> , 2011, 4, 4978.	30.8	59
9	Aluminum Manganese Oxides with Mixed Crystal Structure: High Energy Density Cathodes for Rechargeable Sodium Batteries. <i>ChemSusChem</i> , 2014, 7, 1870-1875.	6.8	46
10	P2/O3 phase-integrated Na _{0.7} MnO ₂ cathode materials for sodium-ion rechargeable batteries. <i>Journal of Alloys and Compounds</i> , 2019, 771, 987-993.	5.5	45
11	Effects of Li and Cl Codoping on the Electrochemical Performance and Structural Stability of LiMn ₂ O ₄ Cathode Materials for Hybrid Electric Vehicle Applications. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4913-4919.	3.1	42
12	Kinetic favorability of Ru-doped LiNi _{0.5} Mn _{1.5} O ₄ for high-power lithium-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 731-735.	5.8	30
13	Effects of Substrate Morphology and Postelectrodeposition on Structure of Cu Foam and Their Application for Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2010, 157, D269.	2.9	24
14	Tailoring Crystal Structure and Morphology of LiFePO ₄ /C Cathode Materials Synthesized by Heterogeneous Growth on Nanostructured LiFePO ₄ Seed Crystals. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1342-1347.	8.0	18
15	Synchronous phase transition and carbon coating on the surface of Li-rich layered oxide cathode materials for rechargeable Li-ion batteries. <i>Journal of Power Sources</i> , 2018, 408, 105-110.	7.8	18
16	Facile route to control the surface morphologies of 3D hierarchical MnO ₂ and its Al self-doping phenomenon. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4777-4784.	1.9	16
17	Oxygen-Deficient P2-Na _{0.7} Mn _{0.75} Ni _{0.25} O ₂ Cathode by a Reductive NH ₄ HF ₂ Treatment for Highly Reversible Na-Ion Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 8036-8044.	5.1	15
18	Selective doping of Li-rich layered oxide cathode materials for high-stability rechargeable Li-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 180-186.	5.8	14

#	ARTICLE	IF	CITATIONS
19	High-yield preparation of molybdenum disulfide/polypyrrole hybrid nanomaterial with non-covalent interaction and its supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159263.	5.5	13
20	Structure- and porosity-tunable, thermally reactive metal organic frameworks for high-performance Ni-rich layered oxide cathode materials with multi-scale pores. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15190-15197.	10.3	12
21	Amorphous Sn-Ni islets with high structural integrity as an anode material for lithium-ion storage. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160416.	5.5	10
22	Microstructure evolution of novel Sn islands prepared by electrodeposition as anode materials for lithium rechargeable batteries. <i>RSC Advances</i> , 2017, 7, 30428-30432.	3.6	1
23	Bronze titanium dioxide nanowires with Ni-rich pseudocapacitive surfaces toward improved lithium kinetics and charge storage. <i>International Journal of Energy Research</i> , 0, , .	4.5	1