

Sun-Ho Kang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11247641/publications.pdf>

Version: 2024-02-01

32
papers

5,737
citations

304743

22
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

4547
citing authors

#	ARTICLE	IF	CITATIONS
1	Li ₂ MnO ₃ -stabilized LiMO ₂ (M = Mn, Ni, Co) electrodes for lithium-ion batteries. Journal of Materials Chemistry, 2007, 17, 3112.	6.7	1,817
2	Demonstrating Oxygen Loss and Associated Structural Reorganization in the Lithium Battery Cathode Li[Ni _{0.2} Li _{0.2} Mn _{0.6}]O ₂ . Journal of the American Chemical Society, 2006, 128, 8694-8698.	13.7	1,406
3	Enabling Sodium Batteries Using Lithium-Substituted Sodium Layered Transition Metal Oxide Cathodes. Advanced Energy Materials, 2011, 1, 333-336.	19.5	397
4	Enhancing the rate capability of high capacity xLi ₂ MnO ₃ ·(1-x)LiMO ₂ (M=Mn, Ni, Co) electrodes by Li-Ni-PO ₄ treatment. Electrochemistry Communications, 2009, 11, 748-751.	4.7	306
5	Countering the Voltage Decay in High Capacity xLi ₂ MnO ₃ ·(1-x)LiMO ₂ Electrodes (M=Mn, Ni, Co) for Li-Ion Batteries. Journal of the Electrochemical Society, 2012, 159, A781-A790.	2.9	305
6	Examining Hysteresis in Composite xLi ₂ MnO ₃ ·(1-x)LiMO ₂ Cathode Structures. Journal of Physical Chemistry C, 2013, 117, 6525-6536.	3.1	234
7	Evidence of reversible oxygen participation in anomalously high capacity Li- and Mn-rich cathodes for Li-ion batteries. Nano Energy, 2016, 21, 172-184.	16.0	127
8	Composite Layered-Layered-Spinel™ Cathode Structures for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A31-A38.	2.9	115
9	Effect of Ball-Milling on 3-V Capacity of Lithium-Manganese Oxospinel Cathodes. Chemistry of Materials, 2001, 13, 1758-1764.	6.7	95
10	Investigating the first-cycle irreversibility of lithium metal oxide cathodes for Li batteries. Journal of Materials Science, 2008, 43, 4701-4706.	3.7	92
11	Designing High-Capacity, Lithium-Ion Cathodes Using X-ray Absorption Spectroscopy. Chemistry of Materials, 2011, 23, 5415-5424.	6.7	88
12	High-energy and high-power Li-rich nickel manganese oxide electrode materials. Electrochemistry Communications, 2010, 12, 1618-1621.	4.7	87
13	A Volume Averaged Approach to the Numerical Modeling of Phase-Transition Intercalation Electrodes Presented for Li _x C ₆ . Journal of the Electrochemical Society, 2012, 159, A2029-A2037.	2.9	86
14	Structural and Electrochemical Characterization of Composite Layered-Spinel Electrodes Containing Ni and Mn for Li-Ion Batteries. Journal of the Electrochemical Society, 2009, 156, A730.	2.9	82
15	xLi ₂ MnO ₃ ·(1-x)LiMO ₂ blended with LiFePO ₄ to achieve high energy density and pulse power capability. Journal of Power Sources, 2011, 196, 9702-9707.	7.8	71
16	Li[Mn ₂]O ₄ Spinel Cathode Material Showing No Capacity Fading in the 3 V Range. Journal of the Electrochemical Society, 2000, 147, 3621.	2.9	62
17	First-cycle irreversibility of layered Li-Ni-Co-Mn oxide cathode in Li-ion batteries. Electrochimica Acta, 2008, 54, 684-689.	5.2	62
18	Autogenic reactions for preparing carbon-encapsulated, nanoparticulate TiO ₂ electrodes for lithium-ion batteries. Journal of Power Sources, 2010, 195, 5039-5043.	7.8	49

#	ARTICLE	IF	CITATIONS
19	Effects of Li Content on Structure and Electrochemical Properties of $\text{Li}_{1+x}(\text{Ni}_{0.5}\text{Mn}_{1-x})\text{O}_2$. <i>Journal of the Electrochemical Society</i> , 2007, 154, A268.	2.9	46
20	Structural complexity of layered-spinel composite electrodes for Li-ion batteries. <i>Journal of Materials Research</i> , 2010, 25, 1601-1616.	2.6	34
21	The effect of nonstoichiometry (δ) on the magnetic properties of $(\text{Mg}_{0.22}\text{Mn}_{0.07}\text{Fe}_{0.71})\text{O}_4$. <i>Journal of the Electrochemical Society</i> , 2004, 151, A1029.	2.5	29
22	Electrochemical properties of nanosized Li-rich layered oxide as positive electrode materials for Li-ion batteries. <i>RSC Advances</i> , 2013, 3, 8527.	3.6	27
23	Study of $\text{Li}_{1+x}(\text{Mn}_{4/9}\text{Co}_{1/9}\text{Ni}_{4/9})\text{O}_2$ Cathode Materials for Vehicle Battery Applications. <i>Journal of the Electrochemical Society</i> , 2011, 158, A936.	2.9	23
24	Co-Doping Effect of Mn and Y on Charge and Mass Transport Properties of BaTiO_3 . <i>Journal of Electroceramics</i> , 2004, 13, 785-791.	2.0	19
25	Non-stoichiometry, electrical conductivity and defect structure of hyper-stoichiometric UO_{2+x} at 1000°C. <i>Journal of Nuclear Materials</i> , 2000, 277, 339-345.	2.7	18
26	Phase Stability of the System MgFeO . <i>Journal of Solid State Chemistry</i> , 2000, 149, 33-40.	2.9	15
27	Composition (x) Dependence of Nonstoichiometry (δ) in Ferrite Spinel $(\text{Mg}_x\text{Fe}_{1-x})\text{O}_4$. <i>Journal of Solid State Chemistry</i> , 1998, 139, 128-134.	2.9	11
28	$\text{Li}[\text{Li}_y\text{Mn}_{2-y}]\text{O}_4$ Spinel Cathode Material Prepared by a Solution Method. <i>Electrochemical and Solid-State Letters</i> , 1999, 3, 536.	2.2	11
29	Electrical conductivity of $(\text{Er,U})\text{O}_{2+x}$ and $(\text{Ce,U})\text{O}_{2+x}$. <i>Journal of Physics and Chemistry of Solids</i> , 2002, 63, 773-780.	4.0	11
30	Nonstoichiometry (δ) and High-Temperature Thermodynamic Properties of $(\text{Mg}_{0.22}\text{Mn}_{0.07}\text{Fe}_{0.71})\text{O}_4$ Ferrite Spinel. <i>Journal of Solid State Chemistry</i> , 1999, 145, 276-282.	2.9	8
31	Nonstoichiometry and lattice parameter of $(\text{Mg}_{0.22}\text{Mn}_{0.07}\text{Fe}_{0.71})\text{O}_4$ ferrite. <i>Journal of Materials Research</i> , 1999, 14, 4070-4074.	2.6	4
32	High Temperature Transport Properties and Reaction Kinetics of $(\text{Ce,U})\text{O}_{2+x}$. <i>Journal of Nuclear Science and Technology</i> , 2002, 39, 780-783.	1.3	0