

Donghan Kim

List of Publications by Year in descending order

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40
papers

6,636
citations

304368

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315357

38
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40
all docs

40
docs citations

40
times ranked

7869
citing authors

#	ARTICLE	IF	CITATIONS
1	Doppler Coherent Focusing DOA Method for Efficient Radar Map Generation. , 2019, , .		5
2	Improved Thermal Stability of Lithium-Rich Layered Oxide by Fluorine Doping. ChemPhysChem, 2018, 19, 116-122.	1.0	14
3	Observation of partial reduction of manganese in the lithium rich layered oxides, $0.4\text{Li}_{2/3}\text{MnO}_3 \cdot 0.6\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$, during the first charge. Physical Chemistry Chemical Physics, 2017, 19, 1268-1275.		18
4	An in-situ gas chromatography investigation into the suppression of oxygen gas evolution by coated amorphous cobalt-phosphate nanoparticles on oxide electrode. Scientific Reports, 2016, 6, 23394.	1.6	6
5	Suppression of voltage depression in Li-rich layered oxide by introducing GaO ₄ structural units in the Li ₂ MnO ₃ -like nano-domain. Nano Energy, 2016, 30, 717-727.	8.2	24
6	Electrodes: Layered P2/O3 Intergrowth Cathode: Toward High Power Na-Ion Batteries (Adv. Energy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	10.2	8
7	SnSb Carbon Composite Anode in a SnSb ₂ /NaNi _{1/3} Mn _{1/3} Fe _{1/3} O ₂ Na-Ion Battery. ECS Transactions, 2014, 58, 59-64.	0.3	8
8	Layered P2/O3 Intergrowth Cathode: Toward High Power Na-Ion Batteries. Advanced Energy Materials, 2014, 4, 1400458.	10.2	191
9	Operando Structural Characterization of the Lithium-Substituted Layered Sodium-Ion Cathode Material P2-Na _{0.85} Li _{0.17} Ni _{0.21} Mn _{0.64} O ₂ by X-ray Absorption Spectroscopy. Journal of the Electrochemical Society, 2014, 161, A1107-A1115.	1.3	36
10	Sodium-Ion Batteries. Advanced Functional Materials, 2013, 23, 947-958.	7.8	3,832
11	Comments on stabilizing layered manganese oxide electrodes for Li batteries. Electrochemistry Communications, 2013, 36, 103-106.	2.3	45
12	Examining Hysteresis in Composite $\text{Li}_{2/3}\text{MnO}_3 \cdot \text{LiMO}_2$ Cathode Structures. Journal of Physical Chemistry C, 2013, 117, 6525-6536.	1.5	234
13	Electrochemical properties of nanosized Li-rich layered oxide as positive electrode materials for Li-ion batteries. RSC Advances, 2013, 3, 8527.	1.7	27
14	Composite Layered-Layered-Spinel™ Cathode Structures for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A31-A38.	1.3	115
15	Reversible NaVS ₂ (De)Intercalation Cathode for Na-Ion Batteries. ECS Electrochemistry Letters, 2012, 1, A71-A73.	1.9	15
16	Low-cost LiFePO ₄ using Fe metal precursor. Journal of Materials Chemistry, 2012, 22, 2624-2631.	6.7	23
17	Countering the Voltage Decay in High Capacity $\text{Li}_{2/3}\text{MnO}_3 \cdot \text{LiMO}_2$ Electrodes (M=Mn, Ni, Co) for Li-Ion Batteries. Journal of the Electrochemical Society, 2012, 159, A781-A790.	1.3	305
18	Layered Na[Ni _{1/3} Fe _{1/3} Mn _{1/3}]O ₂ cathodes for Na-ion battery application. Electrochemistry Communications, 2012, 18, 66-69.	2.3	384

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19	Highly reversible capacity nanocomposite anode for secondary lithium-ion batteries. <i>Electrochemistry Communications</i> , 2012, 19, 9-12.	2.3	11
20	Designing High-Capacity, Lithium-Ion Cathodes Using X-ray Absorption Spectroscopy. <i>Chemistry of Materials</i> , 2011, 23, 5415-5424.	3.2	88
21	Enhanced High-Rate Performance of Li ₄ Ti ₅ O ₁₂ Nanoparticles for Rechargeable Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2011, 158, A275.	1.3	77
22	Plate-type LiFePO ₄ nanocrystals by low temperature polyol-assisted solvothermal reaction and its electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2011, 509, 8130-8135.	2.8	21
23	Optimized Li ₄ Ti ₅ O ₁₂ Nanoparticles by Solvothermal Route for Li-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7294-7298.	0.9	5
24	Enabling Sodium Batteries Using Lithium-Substituted Sodium Layered Transition Metal Oxide Cathodes. <i>Advanced Energy Materials</i> , 2011, 1, 333-336.	10.2	397
25	Synthesis of LiFePO ₄ Nanoparticles by Solvothermal Process Using Various Polyol Media and Their Electrochemical Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1451-1454.	0.9	13
26	Synthesis of LiFePO ₄ /C Nanocomposite and its Electrochemical Properties. <i>Journal of Nano Research</i> , 2011, 13, 21-26.	0.8	1
27	Synthesis of LiMPO ₄ (M=Fe, Mn, Co) nanocrystals in polyol medium and their electrochemical properties. <i>Physica Scripta</i> , 2010, T139, 014060.	1.2	13
28	Synthesis of xLi ₂ MnO ₃ ·(1-x)LiMO ₂ (M=Cr, Mn, Co, Ni) nanocomposites and their electrochemical properties. <i>Materials Research Bulletin</i> , 2010, 45, 252-255.	2.7	35
29	High-energy and high-power Li-rich nickel manganese oxide electrode materials. <i>Electrochemistry Communications</i> , 2010, 12, 1618-1621.	2.3	87
30	Synthesis and Electrochemistry of Li _x (Ni _{0.25-y} Co _{2y} Mn _{0.75-y})O _z Electrode Materials with Integrated 'Layered-Spinel' Structure. <i>ECS Meeting Abstracts</i> , 2010, , .	0.0	1
31	Synthesis and Electrochemical Properties of LiMPO ₄ (M = Fe, Mn, Co) Nanocrystals in Polyol Medium. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3357-3361.	0.9	8
32	SYNTHESIS OF HIGHLY CRYSTALLINE OLIVINE-TYPE LiFePO ₄ NANOPARTICLES BY SOLUTION-BASED REACTIONS. <i>Surface Review and Letters</i> , 2010, 17, 111-119.	0.5	17
33	Structure and Electrochemical Performance of Li[Ni ^x Co ^y Mn ^{1-x-y}]O ₂ [0.025 ≤ x ≤ 0.4, 0.015 ≤ y ≤ 0.25] as Cathodes Compound for Lithium Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5380-5384.	0.9	0
34	Microwave Assisted Synthesis of Nanocrystalline Fe-Phosphates Electrode Materials and Their Electrochemical Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5376-5379.	0.9	15
35	Synthesis of LiFePO ₄ nanoparticles and their electrochemical properties. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 734-737.	1.9	58
36	Synthesis of lithium manganese phosphate nanoparticle and its properties. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1203-1206.	1.9	59

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37	Synthesis and characterization of spinel type high-power cathode materials $\text{Li}_x\text{M}_x\text{Mn}_{2-x}\text{O}_4$ (M=Ni, Co.) <i>J Electrochem Soc</i> , 2006, 153, 1431-1437.	1.9	31
38	Synthesis of LiFePO_4 Nanoparticles in Polyol Medium and Their Electrochemical Properties. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A439.	2.2	331
39	Effect of ultrasonic treatment and temperature on nanocrystalline TiO_2 . <i>Journal of Power Sources</i> , 2006, 163, 196-200.	4.0	25
40	Polyol-mediated synthesis of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ nanoparticle and its electrochemical properties. <i>Electrochemistry Communications</i> , 2005, 7, 1340-1344.	2.3	56