Donghan Kim

List of Publications by Year
in descending order

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40 papers	6,636 citations	304368 22 h-index	315357 38 g-index
40 all docs	40 docs citations	40 times ranked	7869 citing authors

#	Article	IF	Citations
1	Sodiumâ€Ion Batteries. Advanced Functional Materials, 2013, 23, 947-958.	7.8	3,832
2	Enabling Sodium Batteries Using Lithiumâ€Substituted Sodium Layered Transition Metal Oxide Cathodes. Advanced Energy Materials, 2011, 1, 333-336.	10.2	397
3	Layered Na[Ni1/3Fe1/3Mn1/3]O2 cathodes for Na-ion battery application. Electrochemistry Communications, 2012, 18, 66-69.	2.3	384
4	Synthesis of LiFePO[sub 4] Nanoparticles in Polyol Medium and Their Electrochemical Properties. Electrochemical and Solid-State Letters, 2006, 9, A439.	2.2	331
5	Countering the Voltage Decay in High Capacity xLi₂MnO₃â€¢(1â€“x)LiMO₂Electrodes (M=Mn, Ni, Co) for Li⁺-Ion Batteries. Journal of the Electrochemical Society, 2012, 159, A781-A790.	1.3	305
6	Examining Hysteresis in Composite xLi₂MnO₃Â·(1â€“x)LiMO₂ Cathode Structures. Journal of Physical Chemistry C, 2013, 117, 6525-6536.	1.5	234
7	Layered P2/O3 Intergrowth Cathode: Toward High Power Naâ€Ion Batteries. Advanced Energy Materials, 2014, 4, 1400458.	10.2	191
8	Composite â€˜Layered-Layered-Spinelâ€™ Cathode Structures for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A31-A38.	1.3	115
9	Designing High-Capacity, Lithium-Ion Cathodes Using X-ray Absorption Spectroscopy. Chemistry of Materials, 2011, 23, 5415-5424.	3.2	88
10	High-energy and high-power Li-rich nickel manganese oxide electrode materials. Electrochemistry Communications, 2010, 12, 1618-1621.	2.3	87
11	Enhanced High-Rate Performance of Li[sub 4]Ti[sub 5]O[sub 12] Nanoparticles for Rechargeable Li-Ion Batteries. Journal of the Electrochemical Society, 2011, 158, A275.	1.3	77
12	Synthesis of lithium manganese phosphate nanoparticle and its properties. Journal of Physics and Chemistry of Solids, 2007, 68, 1203-1206.	1.9	59
13	Synthesis of LiFePO4 nanoparticles and their electrochemical properties. Journal of Physics and Chemistry of Solids, 2007, 68, 734-737.	1.9	58
14	Polyol-mediated synthesis of Li4Ti5O12 nanoparticle and its electrochemical properties. Electrochemistry Communications, 2005, 7, 1340-1344.	2.3	56
15	Comments on stabilizing layered manganese oxide electrodes for Li batteries. Electrochemistry Communications, 2013, 36, 103-106.	2.3	45
16	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}O₂by X-ray Absorption Spectroscopy. Journal of the Electrochemical Society, 2014, 161, A1107-A1115.	1.3	36
17	Synthesis of xLi2MnO3Â·(1â^'x)LiMO2 (M=Cr, Mn, Co, Ni) nanocomposites and their electrochemical properties. Materials Research Bulletin, 2010, 45, 252-255.	2.7	35
18	Synthesis and characterization of spinel type high-power cathode materials Li MxMn2â^'x O4 (M=Ni, Co,) Tj ETQq0 0 0 rgBT /Overlock 1	1.9	31

#	Article	IF	Citations
19	Electrochemical properties of nanosized Li-rich layered oxide as positive electrode materials for Li-Ion batteries. RSC Advances, 2013, 3, 8527.	1.7	27
20	Effect of ultrasonic treatment and temperature on nanocrystalline TiO2. Journal of Power Sources, 2006, 163, 196-200.	4.0	25
21	Suppression of voltage depression in Li-rich layered oxide by introducing GaO4 structural units in the Li2MnO3-like nano-domain. Nano Energy, 2016, 30, 717-727.	8.2	24
22	Low-cost LiFePO4using Fe metal precursor. Journal of Materials Chemistry, 2012, 22, 2624-2631.	6.7	23
23	Plate-type LiFePO4 nanocrystals by low temperature polyol-assisted solvothermal reaction and its electrochemical properties. Journal of Alloys and Compounds, 2011, 509, 8130-8135.	2.8	21
24	Observation of partial reduction of manganese in the lithium rich layered oxides, 0.4Li₂MnO₃â€“0.6LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂, during the first charge. Physical Chemistry Chemical Physics, 2017, 19, 1268-1275.	1.8	18
25	SYNTHESIS OF HIGHLY CRYSTALLINE OLIVINE-TYPE LiFePO4 NANOPARTICLES BY SOLUTION-BASED REACTIONS. Surface Review and Letters, 2010, 17, 111-119.	0.5	17
26	Microwave Assisted Synthesis of Nanocrystalline Fe-Phosphates Electrode Materials and Their Electrochemical Properties. Journal of Nanoscience and Nanotechnology, 2008, 8, 5376-5379.	0.9	15
27	Reversible NaVS2 (De)Intercalation Cathode for Na-Ion Batteries. ECS Electrochemistry Letters, 2012, 1, A71-A73.	1.9	15
28	Improved Thermal Stability of Lithiumâ€Rich Layered Oxide by Fluorine Doping. ChemPhysChem, 2018, 19, 116-122.	1.0	14
29	Synthesis of LiMPO4(M=Fe, Mn, Co) nanocrystals in polyol medium and their electrochemical properties. Physica Scripta, 2010, T139, 014060.	1.2	13
30	Synthesis of LiFePO₄ Nanoparticles by Solvothermal Process Using Various Polyol Media and Their Electrochemical Properties. Journal of Nanoscience and Nanotechnology, 2011, 11, 1451-1454.	0.9	13
31	Highly reversible capacity nanocomposite anode for secondary lithium-ion batteries. Electrochemistry Communications, 2012, 19, 9-12.	2.3	11
32	Synthesis and Electrochemical Properties of LiMPO₄ (M = Fe, Mn, Co) Nanocrystals in Polyol Medium. Journal of Nanoscience and Nanotechnology, 2010, 10, 3357-3361.	0.9	8
33	SnSb Carbon Composite Anode in a SnSb_C/NaNi_{1/3}Mn_{1/3}Fe_{1/3}O₂ Na-Ion Battery. ECS Transactions, 2014, 58, 59-64.	0.3	8
34	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
35	Optimized Li₄Ti₅O₁₂ Nanoparticles by Solvothermal Route for Li-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2011, 11, 7294-7298.	0.9	5
36	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	5

#	Article	IF	Citations
37	Doppler Coherent Focusing DOA Method for Efficient Radar Map Generation. , 2019, , .		5
38	Synthesis and Electrochemistry of Lix(Ni0.25-yCo2yMn0.75-y)Oz Electrode Materials with Integrated 'Layered-Spinel' Structure. ECS Meeting Abstracts, 2010, , .	0.0	1
39	Synthesis of LiFePO₄/C Nanocomposite and its Electrochemical Properties. Journal of Nano Research, 2011, 13, 21-26.	0.8	1
40	Structure and Electrochemical Performance of Li[Ni1â^'xâ^'yCoxMny]O2 [0.025 â‰¤ x â‰¤ 0.4, 0.015 â‰¤ y â‰¤ 0.25] as Cathodes Compound for Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2008, 8, 5380-5384.	0.9	0