

Je-Nam Lee

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,504
citations

471509

17
h-index

677142

22
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all docs

25
docs citations

25
times ranked

2467
citing authors

#	ARTICLE	IF	CITATIONS
1	High transference number enabled by sulfated zirconia superacid for lithium metal batteries with carbonate electrolytes. <i>Energy and Environmental Science</i> , 2021, 14, 1420-1428.	30.8	23
2	Development of titanium 3D mesh interlayer for enhancing the electrochemical performance of zinc-bromine flow battery. <i>Scientific Reports</i> , 2021, 11, 4508.	3.3	15
3	Sulfated Zirconia Superacid for Improvement of Lithium Metal Batteries with Carbonate Electrolytes. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 445-445.	0.0	0
4	Effect of Ti-Mesh Interlayer on the Negative Electrode for Zinc-Bromine Flow Batteries. <i>ECS Meeting Abstracts</i> , 2019, . .	0.0	0
5	Investigation of Effect of Zinc Powder Modification for the Zinc-Bromine Flow Battery. <i>ECS Meeting Abstracts</i> , 2019, . .	0.0	0
6	Cycling stability of Li metal in a mixed carbonate-ionic liquid electrolyte for lithium secondary batteries. <i>RSC Advances</i> , 2017, 7, 24679-24682.	3.6	5
7	Stabilizing effect of 2-(triphenylphosphoranylidene) succinic anhydride as electrolyte additive on the lithium metal of lithium metal secondary batteries. <i>Electrochimica Acta</i> , 2015, 170, 353-359.	5.2	39
8	Polysulfide rejection layer from alpha-lipoic acid for high performance lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2015, 3, 323-330.	10.3	41
9	Enhanced cycling performance of lithium metal secondary batteries with succinic anhydride as an electrolyte additive. <i>Electrochimica Acta</i> , 2014, 115, 525-530.	5.2	31
10	Chemical aspect of oxygen dissolved in a dimethyl sulfoxide-based electrolyte on lithium metal. <i>Electrochimica Acta</i> , 2014, 123, 419-425.	5.2	61
11	2-(triphenylphosphoranylidene) succinic anhydride as a new electrolyte additive to improve high temperature cycle performance of LiMn ₂ O ₄ /graphite Li-ion batteries. <i>Electrochimica Acta</i> , 2013, 102, 97-103.	5.2	20
12	Nitrogen-doped carbon coating for a high-performance SiO anode in lithium-ion batteries. <i>Electrochemistry Communications</i> , 2013, 34, 98-101.	4.7	84
13	Electrospun Three-Dimensional Mesoporous Silicon Nanofibers as an Anode Material for High-Performance Lithium Secondary Batteries. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12005-12010.	8.0	82
14	Fabrication of polyacrylonitrile/lignin-based carbon nanofibers for high-power lithium ion battery anodes. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2471-2475.	2.5	84
15	Robust Cycling of Li ₂ Batteries through the Synergistic Effect of Blended Electrolytes. <i>ChemSusChem</i> , 2013, 6, 443-448.	6.8	43
16	Co-polyimide-coated polyethylene separators for enhanced thermal stability of lithium ion batteries. <i>Electrochimica Acta</i> , 2012, 85, 524-530.	5.2	148
17	Effects of lithium salts on thermal stabilities of lithium alkyl carbonates in SEI layer. <i>Electrochimica Acta</i> , 2012, 83, 259-263.	5.2	68
18	Excellent Cycle Life of Lithium-Metal Anodes in Lithium-Ion Batteries with Mussel-Inspired Polydopamine-Coated Separators. <i>Advanced Energy Materials</i> , 2012, 2, 645-650.	19.5	410

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19	A gel polymer electrolyte based on initiator-free photopolymerization for lithium secondary batteries. <i>Electrochimica Acta</i> , 2012, 60, 23-30.	5.2	71
20	Tris(pentafluorophenyl) borane as an electrolyte additive for high performance silicon thin film electrodes in lithium ion batteries. <i>Electrochimica Acta</i> , 2011, 56, 8997-9003.	5.2	45
21	Anion receptor-coated separator for lithium-ion polymer battery. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 753-757.	2.5	10
22	N-(triphenylphosphoranylidene) aniline as a novel electrolyte additive for high voltage LiCoO ₂ operations in lithium ion batteries. <i>Electrochimica Acta</i> , 2011, 56, 5195-5200.	5.2	66
23	Cross-linkable Polymer Matrix for Enhanced Thermal Stability of Succinonitrile-based Polymer Electrolyte in Lithium Rechargeable Batteries. <i>Journal of Electrochemical Science and Technology</i> , 2011, 2, 198-203.	2.2	3
24	Effect of fluoroethylene carbonate on high temperature capacity retention of LiMn ₂ O ₄ /graphite Li-ion cells. <i>Electrochimica Acta</i> , 2010, 55, 2073-2077.	5.2	153
25	Enhancement of Cycle Performance of Lithium Secondary Batteries Based on Nano-Composite Coated PVdF Membrane. <i>Journal of the Korean Electrochemical Society</i> , 2008, 11, 190-196.	0.1	2