Jungjin Park

List of Publications by Year in Descending Order

28 papers	1,972 citations	18 h-index	32 g-index
32 ext. papers	2,355 ext. citations	11.7 avg, IF	4.66 L-index

#	Paper	IF	Citations
28	Understandings about functionalized porous carbon via scanning transmission x-ray microscopy (STXM) for high sulfur utilization in lithium-sulfur batteries. *Nano Energy*, **2022**, 107446	17.1	0
27	Fictitious phase separation in Li layered oxides driven by electro-autocatalysis. *Nature Materials*, **2021**, 20, 991-999	27	27
26	Nitrogen-Doped Graphene Quantum Dots: Sulfiphilic Additives for the High-Performance Li$\bar{S}$ Cells. *ACS Applied Energy Materials*, **2021**, 4, 3518-3525	6.1	7
25	Effects of Photochemical Oxidation of the Carbonaceous Additives on Li-S Cell Performance. *ACS Applied Materials & Interfaces*, **2021**, 13, 41517-41523	9.5	1
24	Design considerations for lithium-sulfur batteries: mass transport of lithium polysulfides. *Nanoscale* , **2020**, 12, 15466-15472	7.7	8
23	Revisiting the strategies for stabilizing lithium metal anodes. *Journal of Materials Chemistry A*, **2020** , 8, 13874-13895	13	24
22	Enhancing the of Performance of Lithium-Sulfur Batteries through Electrochemical Impregnation of Sulfur in Hierarchical Mesoporous Carbon Nanoparticles. *ChemElectroChem*, **2020**, 7, 3653-3655	4.3	4
21	Marginal Magnesium Doping for High-Performance Lithium Metal Batteries. *Advanced Energy Materials*, **2019**, 9, 1902278	21.8	26
20	Role and Potential of Metal Sulfide Catalysts in Lithium-Sulfur Battery Applications. *ChemCatChem*, **2019**, 11, 2373-2387	5.2	33
19	Design of structural and functional nanomaterials for lithium-sulfur batteries. *Nano Today*, **2018**, 18, 35-64	17.9	82
18	The COSMIC Imaging Beamline at the Advanced Light Source: a new facility for spectro-microscopy of nano-materials. *Microscopy and Microanalysis*, **2018**, 24, 8-11	0.5	10
17	Engineering Titanium Dioxide Nanostructures for Enhanced Lithium-Ion Storage. *Journal of the American Chemical Society*, **2018**, 140, 16676-16684	16.4	53
16	Tungsten Disulfide Catalysts Supported on a Carbon Cloth Interlayer for High Performance Li$\bar{S}$ Battery. *Advanced Energy Materials*, **2017**, 7, 1602567	21.8	233
15	The Importance of Confined Sulfur Nanodomains and Adjoining Electron Conductive Pathways in Subreaction Regimes of Li-S Batteries. *Advanced Energy Materials*, **2017**, 7, 1700074	21.8	75
14	Lithium-Sulfur Batteries: Tungsten Disulfide Catalysts Supported on a Carbon Cloth Interlayer for High Performance Li$\bar{S}$ Battery (Adv. Energy Mater. 11/2017). *Advanced Energy Materials*, **2017**, 7,	21.8	2
13	Synchrotron-based x-ray absorption spectroscopy for the electronic structure of LixMn0.8Fe0.2PO4 mesocrystal in Li+ batteries. *Nano Energy*, **2017**, 31, 495-503	17.1	22
12	Insights on the delithiation/lithiation reactions of LixMn0.8Fe0.2PO4 mesocrystals in Li+ batteries by in situ techniques. *Nano Energy*, **2017**, 39, 371-379	17.1	26

List of Publications

11	Conformal Polymeric Multilayer Coatings on Sulfur Cathodes via the Layer-by-Layer Deposition for High Capacity Retention in Li–S Batteries. *ACS Macro Letters*, **2016**, 5, 471-475	6.6	27
10	Elemental Sulfur and Molybdenum Disulfide Composites for Li-S Batteries with Long Cycle Life and High-Rate Capability. *ACS Applied Materials & Interfaces*, **2016**, 8, 13437-48	9.5	92
9	Graphene quantum dots: structural integrity and oxygen functional groups for high sulfur/sulfide utilization in lithium sulfur batteries. *NPG Asia Materials*, **2016**, 8, e272-e272	10.3	78
8	An electrochemical approach to graphene oxide coated sulfur for long cycle life. *Nanoscale*, **2015**, 7, 13249-55	7.7	19
7	Copolymerization of Polythiophene and Sulfur To Improve the Electrochemical Performance in Lithium–Sulfur Batteries. *Chemistry of Materials*, **2015**, 27, 7011-7017	9.6	99
6	The Electrochemical Analysis using Critical Parameters in Li–S Battery. *Bulletin of the Korean Chemical Society*, **2015**, 36, 2596-2600	1.2	5
5	Inverse Vulcanization of Elemental Sulfur to Prepare Polymeric Electrode Materials for Li-S Batteries.. *ACS Macro Letters*, **2014**, 3, 229-232	6.6	217
4	Si7Ti4Ni4 as a buffer material for Si and its electrochemical study for lithium ion batteries. *Journal of Power Sources*, **2014**, 246, 729-735	8.9	25
3	The use of elemental sulfur as an alternative feedstock for polymeric materials. *Nature Chemistry*, **2013**, 5, 518-24	17.6	748
2	Electrochemical Promotion of Oxygen Reduction on Gold with Aluminum Phosphate Overlayer. *Journal of Physical Chemistry C*, **2011**, 115, 7092-7096	3.8	17
1	Methanol oxidation in nanostructured platinum/cerium-phosphate thin films. *Current Applied Physics*, **2011**, 11, S2-S5	2.6	12