

Jungjin Park

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The use of elemental sulfur as an alternative feedstock for polymeric materials. <i>Nature Chemistry</i> , 2013 , 5, 518-24	17.6	748
27	Tungsten Disulfide Catalysts Supported on a Carbon Cloth Interlayer for High Performance LiS Battery. <i>Advanced Energy Materials</i> , 2017 , 7, 1602567	21.8	233
26	Inverse Vulcanization of Elemental Sulfur to Prepare Polymeric Electrode Materials for Li-S Batteries.. <i>ACS Macro Letters</i> , 2014 , 3, 229-232	6.6	217
25	Copolymerization of Polythiophene and Sulfur To Improve the Electrochemical Performance in LithiumSulfur Batteries. <i>Chemistry of Materials</i> , 2015 , 27, 7011-7017	9.6	99
24	Elemental Sulfur and Molybdenum Disulfide Composites for Li-S Batteries with Long Cycle Life and High-Rate Capability. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13437-48	9.5	92
23	Design of structural and functional nanomaterials for lithium-sulfur batteries. <i>Nano Today</i> , 2018 , 18, 35-64	17.9	82
22	Graphene quantum dots: structural integrity and oxygen functional groups for high sulfur/sulfide utilization in lithium sulfur batteries. <i>NPG Asia Materials</i> , 2016 , 8, e272-e272	10.3	78
21	The Importance of Confined Sulfur Nanodomains and Adjoining Electron Conductive Pathways in Subreaction Regimes of Li-S Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1700074	21.8	75
20	Engineering Titanium Dioxide Nanostructures for Enhanced Lithium-Ion Storage. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16676-16684	16.4	53
19	Role and Potential of Metal Sulfide Catalysts in Lithium-Sulfur Battery Applications. <i>ChemCatChem</i> , 2019 , 11, 2373-2387	5.2	33
18	Conformal Polymeric Multilayer Coatings on Sulfur Cathodes via the Layer-by-Layer Deposition for High Capacity Retention in LiS Batteries. <i>ACS Macro Letters</i> , 2016 , 5, 471-475	6.6	27
17	Fictitious phase separation in Li layered oxides driven by electro-autocatalysis. <i>Nature Materials</i> , 2021 , 20, 991-999	27	27
16	Marginal Magnesium Doping for High-Performance Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1902278	21.8	26
15	Insights on the delithiation/lithiation reactions of $\text{Li}_x\text{Mn}_{0.8}\text{Fe}_{0.2}\text{PO}_4$ mesocrystals in Li^+ batteries by in situ techniques. <i>Nano Energy</i> , 2017 , 39, 371-379	17.1	26
14	$\text{Si}_7\text{Ti}_4\text{Ni}_4$ as a buffer material for Si and its electrochemical study for lithium ion batteries. <i>Journal of Power Sources</i> , 2014 , 246, 729-735	8.9	25
13	Revisiting the strategies for stabilizing lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13874-13895	13	24
12	Synchrotron-based x-ray absorption spectroscopy for the electronic structure of $\text{Li}_x\text{Mn}_{0.8}\text{Fe}_{0.2}\text{PO}_4$ mesocrystal in Li^+ batteries. <i>Nano Energy</i> , 2017 , 31, 495-503	17.1	22

11	An electrochemical approach to graphene oxide coated sulfur for long cycle life. <i>Nanoscale</i> , 2015 , 7, 13249-55	19
10	Electrochemical Promotion of Oxygen Reduction on Gold with Aluminum Phosphate Overlayer. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7092-7096	3.8 17
9	Methanol oxidation in nanostructured platinum/cerium-phosphate thin films. <i>Current Applied Physics</i> , 2011 , 11, S2-S5	2.6 12
8	The COSMIC Imaging Beamline at the Advanced Light Source: a new facility for spectro-microscopy of nano-materials. <i>Microscopy and Microanalysis</i> , 2018 , 24, 8-11	0.5 10
7	Design considerations for lithium-sulfur batteries: mass transport of lithium polysulfides. <i>Nanoscale</i> , 2020 , 12, 15466-15472	7.7 8
6	Nitrogen-Doped Graphene Quantum Dots: Sulfiphilic Additives for the High-Performance LiS Cells. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3518-3525	6.1 7
5	The Electrochemical Analysis using Critical Parameters in LiS Battery. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 2596-2600	1.2 5
4	Enhancing the of Performance of Lithium-Sulfur Batteries through Electrochemical Impregnation of Sulfur in Hierarchical Mesoporous Carbon Nanoparticles. <i>ChemElectroChem</i> , 2020 , 7, 3653-3655	4.3 4
3	Lithium-Sulfur Batteries: Tungsten Disulfide Catalysts Supported on a Carbon Cloth Interlayer for High Performance LiS Battery (Adv. Energy Mater. 11/2017). <i>Advanced Energy Materials</i> , 2017 , 7,	21.8 2
2	Effects of Photochemical Oxidation of the Carbonaceous Additives on Li-S Cell Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41517-41523	9.5 1
1	Understandings about functionalized porous carbon via scanning transmission x-ray microscopy (STXM) for high sulfur utilization in lithium-sulfur batteries. <i>Nano Energy</i> , 2022 , 107446	17.1 0