Sylwia WaluÅ›

List of Publications by Year
in descending order

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11 papers	846 citations	933447 10 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	1352 citing authors

#	Article	IF	Citations
1	New insight into the working mechanism of lithiumâ€“sulfur batteries: in situ and operando X-ray diffraction characterization. Chemical Communications, 2013, 49, 7899.	4.1	201
2	Lithium/Sulfur Batteries Upon Cycling: Structural Modifications and Species Quantification by In Situ and Operando Xâ€Ray Diffraction Spectroscopy. Advanced Energy Materials, 2015, 5, 1500165.	19.5	148
3	Lithium-Sulfur Battery Technology Readiness and Applicationsâ€”A Review. Energies, 2017, 10, 1937.	3.1	133
4	Volumetric expansion of Lithium-Sulfur cell during operation â€“ Fundamental insight into applicable characteristics. Energy Storage Materials, 2018, 10, 233-245.	18.0	80
5	Electrochemical impedance spectroscopy study of lithiumâ€“sulfur batteries: Useful technique to reveal the Li/S electrochemical mechanism. Electrochimica Acta, 2020, 359, 136944.	5.2	74
6	Modelling transport-limited discharge capacity of lithium-sulfur cells. Electrochimica Acta, 2016, 219, 502-508.	5.2	58
7	Recent Progress and Emerging Application Areas for Lithiumâ€“Sulfur Battery Technology. Energy Technology, 2021, 9, 2000694.	3.8	58
8	Lithiumâ€“Sulfur Cell Equivalent Circuit Network Model Parameterization and Sensitivity Analysis. IEEE Transactions on Vehicular Technology, 2017, 66, 7711-7721.	6.3	36
9	Poly(ether amine) and cross-linked poly(propylene oxide) diacrylate thin-film polymer electrolyte for 3D-microbatteries. Electrochemistry Communications, 2010, 12, 1498-1500.	4.7	33
10	3-D microbattery electrolyte by self-assembly of oligomers. Solid State Ionics, 2011, 198, 26-31.	2.7	18
11	Methodology for Assessing the Lithium-Sulfur Battery Degradation for Practical Applications. ECS Transactions, 2017, 77, 479-490.	0.5	7