

Alyson Abraham

List of Publications by Year in descending order

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papers

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all docs

18
docs citations

18
times ranked

462
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Healing, Improved Efficiency Solid State Rechargeable Li/I ₂ Based Battery. Journal of the Electrochemical Society, 2021, 168, 010519.	2.9	5
2	Defect Control in the Synthesis of 2â€‰%D MoS ₂ Nanosheets: Polysulfide Trapping in Composite Sulfur Cathodes for Liâ€‰S Batteries. ChemSusChem, 2020, 13, 1517-1528.	6.8	26
3	Nanocomposite liposomes for pH-controlled porphyrin release into human prostate cancer cells. RSC Advances, 2020, 10, 17094-17100.	3.6	5
4	Energy dispersive X-ray diffraction (EDXRD) for operando materials characterization within batteries. Physical Chemistry Chemical Physics, 2020, 22, 20972-20989.	2.8	24
5	Silver-Containing Î±-MnO ₂ Nanorods: Electrochemistry in Rechargeable Aqueous Zn-MnO ₂ Batteries. Journal of the Electrochemical Society, 2019, 166, A3575-A3584.	2.9	21
6	The application of poorly crystalline silicotitanate in production of 225Ac. Scientific Reports, 2019, 9, 11808.	3.3	6
7	High capacity vanadium oxide electrodes: effective recycling through thermal treatment. Sustainable Energy and Fuels, 2019, 3, 2615-2626.	4.9	4
8	Interface effects on self-forming rechargeable Li/I ₂ -based solid state batteries. MRS Communications, 2019, 9, 657-662.	1.8	4
9	Deliberate Modification of Fe ₃ O ₄ Anode Surface Chemistry: Impact on Electrochemistry. ACS Applied Materials & Interfaces, 2019, 11, 19920-19932.	8.0	12
10	Toward Environmentally Friendly Lithium Sulfur Batteries: Probing the Role of Electrode Design in MoS ₂ -Containing Liâ€‰S Batteries with a Green Electrolyte. ACS Sustainable Chemistry and Engineering, 2019, 7, 5209-5222.	6.7	20
11	Progress and Outlook on Few Component Composite Solid State Electrolytes. MRS Advances, 2019, 4, 2635-2540.	0.9	2
12	Investigation of Î±-MnO ₂ Tunneled Structures as Model Cation Hosts for Energy Storage. Accounts of Chemical Research, 2018, 51, 575-582.	15.6	64
13	Surface Electrolyte Interphase Control on Magnetite, Fe ₃ O ₄ , Electrodes: Impact on Electrochemistry. MRS Advances, 2018, 3, 581-586.	0.9	2
14	Investigation of Conductivity and Ionic Transport of VO ₂ (M) and VO ₂ (R) via Electrochemical Study. Chemistry of Materials, 2018, 30, 7535-7544.	6.7	5
15	Capacity Retention for (De)lithiation of Silver Containing Î±-MnO ₂ : Impact of Structural Distortion and Transition Metal Dissolution. Journal of the Electrochemical Society, 2018, 165, A2849-A2858.	2.9	9
16	Communicationâ€”Demonstration and Electrochemistry of a Self-Forming Solid State Rechargeable LiI(HPN) ₂ Based Li/I ₂ Battery. Journal of the Electrochemical Society, 2018, 165, A2115-A2118.	2.9	8
17	Investigating the Complex Chemistry of Functional Energy Storage Systems: The Need for an Integrative, Multiscale (Molecular to Mesoscale) Perspective. ACS Central Science, 2016, 2, 380-387.	11.3	39