

Alyson Abraham

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

256
citations

1305906

8
h-index

1051228

16
g-index

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all docs

18
docs citations

18
times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of $\text{Li}^{\pm}\text{-MnO}_2$ Tunneled Structures as Model Cation Hosts for Energy Storage. <i>Accounts of Chemical Research</i> , 2018, 51, 575-582.	7.6	64
2	Investigating the Complex Chemistry of Functional Energy Storage Systems: The Need for an Integrative, Multiscale (Molecular to Mesoscale) Perspective. <i>ACS Central Science</i> , 2016, 2, 380-387.	5.3	39
3	Defect Control in the Synthesis of ^{2}D MoS_2 Nanosheets: Polysulfide Trapping in Composite Sulfur Cathodes for $\text{Li}^{\pm}\text{-S}$ Batteries. <i>ChemSusChem</i> , 2020, 13, 1517-1528.	3.6	26
4	Energy dispersive X-ray diffraction (EDXRD) for operando materials characterization within batteries. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20972-20989.	1.3	24
5	Silver-Containing $\text{Li}^{\pm}\text{-MnO}_2$ Nanorods: Electrochemistry in Rechargeable Aqueous Zn-MnO_2 Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3575-A3584.	1.3	21
6	Toward Environmentally Friendly Lithium Sulfur Batteries: Probing the Role of Electrode Design in MoS_2 -Containing $\text{Li}^{\pm}\text{-S}$ Batteries with a Green Electrolyte. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5209-5222.	3.2	20
7	Deliberate Modification of Fe_3O_4 Anode Surface Chemistry: Impact on Electrochemistry. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19920-19932.	4.0	12
8	Capacity Retention for (De)lithiation of Silver Containing $\text{Li}^{\pm}\text{-MnO}_2$: Impact of Structural Distortion and Transition Metal Dissolution. <i>Journal of the Electrochemical Society</i> , 2018, 165, A2849-A2858.	1.3	9
9	Communication—Demonstration and Electrochemistry of a Self-Forming Solid State Rechargeable $\text{Li}(\text{HPN})_2$ -Based Li/I_2 Battery. <i>Journal of the Electrochemical Society</i> , 2018, 165, A2115-A2118.	1.3	8
10	The application of poorly crystalline silicotitanate in production of 225Ac. <i>Scientific Reports</i> , 2019, 9, 11808.	1.6	6
11	Investigation of Conductivity and Ionic Transport of $\text{VO}_2(\text{M})$ and $\text{VO}_2(\text{R})$ via Electrochemical Study. <i>Chemistry of Materials</i> , 2018, 30, 7535-7544.	3.2	5
12	Nanocomposite liposomes for pH-controlled porphyrin release into human prostate cancer cells. <i>RSC Advances</i> , 2020, 10, 17094-17100.	1.7	5
13	Self-Healing, Improved Efficiency Solid State Rechargeable Li/I_2 Based Battery. <i>Journal of the Electrochemical Society</i> , 2021, 168, 010519.	1.3	5
14	High capacity vanadium oxide electrodes: effective recycling through thermal treatment. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2615-2626.	2.5	4
15	Interface effects on self-forming rechargeable Li/I_2 -based solid state batteries. <i>MRS Communications</i> , 2019, 9, 657-662.	0.8	4
16	Surface Electrolyte Interphase Control on Magnetite, Fe_3O_4 , Electrodes: Impact on Electrochemistry. <i>MRS Advances</i> , 2018, 3, 581-586.	0.5	2
17	Progress and Outlook on Few Component Composite Solid State Electrolytes. <i>MRS Advances</i> , 2019, 4, 2635-2540.	0.5	2