

James C Pramudita

List of Publications by Year in descending order

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567144

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2583
citing authors

#	ARTICLE	IF	CITATIONS
1	An Initial Review of the Status of Electrode Materials for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602911.	10.2	854
2	Rate Dependent Performance Related to Crystal Structure Evolution of $\text{Na}_{0.67}\text{Mn}_{0.8}\text{Mg}_{0.2}\text{O}_2$ in a Sodium-Ion Battery. <i>Chemistry of Materials</i> , 2015, 27, 6976-6986.	3.2	97
3	Crystallographic Evolution of $\text{P2-Na}_{2/3}\text{Fe}_{0.4}\text{Mn}_{0.6}\text{O}_2$ Electrodes during Electrochemical Cycling. <i>Chemistry of Materials</i> , 2016, 28, 6342-6354.	3.2	69
4	The Unique Structural Evolution of the O3 Phase $\text{Na}_{2/3}\text{Fe}_{2/3}\text{Mn}_{1/3}\text{O}_2$ during High Rate Charge/Discharge: A Sodium-Centred Perspective. <i>Advanced Functional Materials</i> , 2015, 25, 4994-5005.	7.8	66
5	Sodium uptake in cell construction and subsequent <i>in operando</i> electrode behaviour of Prussian blue analogues, $\text{Fe}[\text{Fe}(\text{CN})_6]_x\text{H}_2\text{O}$ and $\text{FeCo}(\text{CN})_6$. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24178-24187.	1.3	62
6	Structure-Dependent Electrochemical Evolution of a Mn-Rich $\text{P2-Na}_{2/3}\text{Fe}_{0.2}\text{Mn}_{0.8}\text{O}_2$ Na-Ion Battery Cathode. <i>Chemistry of Materials</i> , 2017, 29, 7416-7423.	3.2	58
7	Graphene and Selected Derivatives as Negative Electrodes in Sodium- and Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2015, 2, 600-610.	1.7	46
8	Activated Carbon from E-Waste Plastics as a Promising Anode for Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10310-10322.	3.2	41
9	Potassium-ion intercalation in graphite within a potassium-ion battery examined using <i>in situ</i> X-ray diffraction. <i>Powder Diffraction</i> , 2017, 32, S43-S48.	0.4	31
10	Sodium insertion/extraction from single-walled and multi-walled carbon nanotubes: The differences and similarities. <i>Journal of Power Sources</i> , 2016, 314, 102-108.	4.0	26
11	The Na_xMoO_2 Phase Diagram ($x = 1/2, 2/3, 1$) and Na_xMoO_2 ($x = 1/2, 2/3, 1$) Crystal Structures. <i>Chemistry of Materials</i> , 2017, 29, 7416-7423.	3.2	25
12	$\text{Na}_4\text{Co}_3(\text{PO}_4)_2\text{P}_2\text{O}_7$ through Correlative <i>Operando</i> X-ray Diffraction and Electrochemical Impedance Spectroscopy. <i>Chemistry of Materials</i> , 2019, 31, 5152-5159.	3.2	24
13	Rate and Composition Dependence on the Structural-Electrochemical Relationships in $\text{P2-Na}_{2/3}\text{Fe}_x\text{Mn}_{1-x}\text{O}_2$ Positive Electrodes for Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 7503-7510.	3.2	21
14	Correlating cycling history with structural evolution in commercial 26650 batteries using <i>in operando</i> neutron powder diffraction. <i>Journal of Power Sources</i> , 2017, 343, 446-457.	4.0	20
15	Mechanisms of Sodium Insertion/Extraction on the Surface of Defective Graphenes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 431-438.	4.0	18
16	Using <i>in situ</i> synchrotron x-ray diffraction to study lithium- and sodium-ion batteries: A case study with an unconventional battery electrode (Gd_2TiO_5). <i>Journal of Materials Research</i> , 2015, 30, 381-389.	1.2	12
17	Understanding the Behavior of LiCoO_2 Cathodes at Extended Potentials in Ionic Liquid-Alkyl Carbonate Hybrid Electrolytes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15630-15638.	1.5	12