James C Pramudita

List of Publications by Year
in descending order

17 papers	1,482 citations	567281 15 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	2583 citing authors

#	Article	IF	Citations
1	An Initial Review of the Status of Electrode Materials for Potassiumâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1602911.	19.5	854
2	Rate Dependent Performance Related to Crystal Structure Evolution of Na_{0.67}Mn_{0.8}Mg_{0.2}O₂ in a Sodium-Ion Battery. Chemistry of Materials, 2015, 27, 6976-6986.	6.7	97
3	Crystallographic Evolution of P2 Na_{2/3}Fe_{0.4}Mn_{0.6}O₂ Electrodes during Electrochemical Cycling. Chemistry of Materials, 2016, 28, 6342-6354.	6.7	69
4	The Unique Structural Evolution of the O3â€Phase Na_{2/3}Fe_{2/3}Mn_{1/3}O₂ during High Rate Charge/Discharge: A Sodiumâ€Centred Perspective. Advanced Functional Materials, 2015, 25, 4994-5005.	14.9	66
5	Sodium uptake in cell construction and subsequent in operando electrode behaviour of Prussian blue analogues, Fe[Fe(CN)₆]_{1â^'x}Â·yH₂O and FeCo(CN)₆. Physical Chemistry Chemical Physics, 2014, 16, 24178-24187.	2.8	62
6	Structureâ€“Electrochemical Evolution of a Mn-Rich P2 Na_{2/3}Fe_{0.2}Mn_{0.8}O₂ Na-Ion Battery Cathode. Chemistry of Materials, 2017, 29, 7416-7423.	6.7	58
7	Graphene and Selected Derivatives as Negative Electrodes in Sodiumâ€and Lithiumâ€Ion Batteries. ChemElectroChem, 2015, 2, 600-610.	3.4	46
8	Activated Carbon from E-Waste Plastics as a Promising Anode for Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 10310-10322.	6.7	41
9	Potassium-ion intercalation in graphite within a potassium-ion battery examined usingin situX-ray diffraction. Powder Diffraction, 2017, 32, S43-S48.	0.2	31
10	Sodium insertion/extraction from single-walled and multi-walled carbon nanotubes: The differences and similarities. Journal of Power Sources, 2016, 314, 102-108.	7.8	26
11	The Na_xMoO₂ Phase Diagram (¹/₂ â‰ x <)	6.7	25
12	Na₄Co₃(PO₄)₂P₂O₇ through Correlative Operando X-ray Diffraction and Electrochemical Impedance Spectroscopy. Chemistry of Materials, 2019, 31, 5152-5159.	6.7	24
13	Rate and Composition Dependence on the Structuralâ€“Electrochemical Relationships in P2â€“Na_{2/3}Fe_{1â€“y}Mn_yO₂ Positive Electrodes for Sodium-Ion Batteries. Chemistry of Materials, 2018, 30, 7503-7510.	6.7	21
14	Correlating cycling history with structural evolution in commercial 26650 batteries using in operando neutron powder diffraction. Journal of Power Sources, 2017, 343, 446-457.	7.8	20
15	Mechanisms of Sodium Insertion/Extraction on the Surface of Defective Graphenes. ACS Applied Materials & Interfaces, 2017, 9, 431-438.	8.0	18
16	Using in situ synchrotron x-ray diffraction to study lithium- and sodium-ion batteries: A case study with an unconventional battery electrode (Gd₂TiO₅). Journal of Materials Research, 2015, 30, 381-389.	2.6	12
17	Understanding the Behavior of LiCoO₂ Cathodes at Extended Potentials in Ionic Liquidâ€“Alkyl Carbonate Hybrid Electrolytes. Journal of Physical Chemistry C, 2017, 121, 15630-15638.	3.1	12