

Matt D R Kok

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

411
citations

1040056

9
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

515
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of non-uniform compression on the performance of polymer electrolyte fuel cells. Journal of Power Sources, 2022, 521, 230973.	7.8	10
2	Motion-enhancement assisted digital image correlation of lithium-ion batteries during lithiation. Journal of Power Sources, 2022, 527, 231150.	7.8	4
3	Probing Heterogeneity in Li-Ion Batteries with Coupled Multiscale Models of Electrochemistry and Thermal Transport using Tomographic Domains. Journal of the Electrochemical Society, 2020, 167, 110538.	2.9	27
4	Identifying Defects in Li-Ion Cells Using Ultrasound Acoustic Measurements. Journal of the Electrochemical Society, 2020, 167, 120530.	2.9	37
5	Editors' Choice™ 4D Neutron and X-ray Tomography Studies of High Energy Density Primary Batteries: Part I. Dynamic Studies of LiSOCl ₂ during Discharge. Journal of the Electrochemical Society, 2020, 167, 130545.	2.9	12
6	Exploring the Impact of Electrode Microstructure on Redox Flow Battery Performance Using a Multiphysics Pore Network Model. Journal of the Electrochemical Society, 2019, 166, A2121-A2130.	2.9	44
7	Virtual unrolling of spirally-wound lithium-ion cells for correlative degradation studies and predictive fault detection. Sustainable Energy and Fuels, 2019, 3, 2972-2976.	4.9	37
8	PoreSpy: A Python Toolkit for Quantitative Analysis of Porous Media Images. Journal of Open Source Software, 2019, 4, 1296.	4.6	184
9	Flow Batteries: Insights into the Effect of Structural Heterogeneity in Carbonized Electrospun Fibrous Mats for Flow Battery Electrodes by X-ray Tomography (Small 9/2018). Small, 2018, 14, 1870040.	10.0	2
10	Insights into the Effect of Structural Heterogeneity in Carbonized Electrospun Fibrous Mats for Flow Battery Electrodes by X-ray Tomography. Small, 2018, 14, 1703616.	10.0	31
11	X-ray Nano Computed Tomography of Electrospun Fibrous Mats as Flow Battery Electrodes. Energy Technology, 2018, 6, 2488-2500.	3.8	23