

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

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h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

515
citing authors

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