

# Kieran B O'regan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4917036/publications.pdf>

Version: 2024-02-01

7  
papers

646  
citations

1478505

6  
h-index

1720034

7  
g-index

8  
all docs

8  
docs citations

8  
times ranked

811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Experimental Techniques for Parameterization of Multi-scale Lithium-ion Battery Models. <i>Journal of the Electrochemical Society</i> , 2020, 167, 080534.	2.9	221
2	3D microstructure design of lithium-ion battery electrodes assisted by X-ray nano-computed tomography and modelling. <i>Nature Communications</i> , 2020, 11, 2079.	12.8	217
3	Microstructural Evolution of Battery Electrodes During Calendering. <i>Joule</i> , 2020, 4, 2746-2768.	24.0	95
4	Multi-length scale microstructural design of lithium-ion battery electrodes for improved discharge rate performance. <i>Energy and Environmental Science</i> , 2021, 14, 5929-5946.	30.8	48
5	Review of parameterisation and a novel database (LiionDB) for continuum Li-ion battery models. <i>Progress in Energy</i> , 2022, 4, 032004.	10.9	35
6	Lithium-ion battery cathode and anode potential observer based on reduced-order electrochemical single particle model. <i>Journal of Energy Storage</i> , 2021, 44, 103324.	8.1	23
7	Frequency domain non-linear characterization and analysis of lithium-ion battery electrodes. <i>Journal of Energy Storage</i> , 2021, 36, 102371.	8.1	7