Lukas Petrich

List of Publications by Year
in descending order

8 papers	151 citations	1684188 5 h-index	1720034 7 g-index
8 all docs	8 docs citations	8 times ranked	197 citing authors

#	Article	IF	Citations
1	Machine Learning Techniques for the Segmentation of Tomographic Image Data of Functional Materials. Frontiers in Materials, 2019, 6, .	2.4	59
2	Crack detection in lithium-ion cells using machine learning. Computational Materials Science, 2017, 136, 297-305.	3.0	39
3	Artificial generation of representative single Li-ion electrode particle architectures from microscopy data. Npj Computational Materials, 2021, 7, .	8.7	21
4	Detection of Colchicum autumnale in drone images, using a machine-learning approach. Precision Agriculture, 2020, 21, 1291-1303.	6.0	12
5	Reconstruction of Grains in Polycrystalline Materials From Incomplete Data Using Laguerre Tessellations. Microscopy and Microanalysis, 2019, 25, 743-752.	0.4	10
6	Numerical microstructure model of NiTi wire reconstructed from 3D-XRD data. Modelling and Simulation in Materials Science and Engineering, 2020, 28, 055007.	2.0	5
7	Efficient Fitting of 3D Tessellations to Curved Polycrystalline Grain Boundaries. Frontiers in Materials, 2021, 8, .	2.4	3
8	Analysis of polycrystalline microstructure of AlMgSc alloy observed by 3D EBSD. Image Analysis and Stereology, 0, , .	0.9	2