Jakub Skibinski

List of Publications by Year
in descending order

21	310	1039406 9	940134 16
papers	citations	h-index	g-index

21	21	21	346
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of the degradation of a fine-grained YSZâ€“NiO anode material during reduction in hydrogen and reoxidation in air. Applied Nanoscience (Switzerland), 2022, 12, 965-975.	1.6	16
2	Microstructure driven design of porous electrodes for molten carbonate fuel cell application: Recent progress. International Journal of Hydrogen Energy, 2020, 45, 25719-25732.	3.8	21
3	Silver coated cathode for molten carbonate fuel cells. International Journal of Hydrogen Energy, 2020, 45, 19847-19857.	3.8	12
4	Influence of Pore Size Variation on Thermal Conductivity of Open-Porous Foams. Materials, 2019, 12, 2017.	1.3	28
5	Microstructure effect on the permeability of the tape-cast open-porous materials. Materials and Design, 2019, 167, 107639.	3.3	22
6	CHARACTERIZATION AND MODELING OF ADVANCED OPEN-POROUS COPPER HEAT EXCHANGER MATERIALS. , 2019, , .		0
7	Investigation of the relationship between morphology and permeability for open-cell foams using virtual materials testing. Materials and Design, 2018, 147, 1-10.	3.3	29
8	Phase imaging quality improvement by modification of AFM probesâ€™ cantilever. Journal of Microscopy, 2018, 269, 179-186.	0.8	4
9	High-resolution computed microtomography for the characterization of a diffusion tensor imaging phantom. Acta Geophysica, 2017, 65, 259-268.	1.0	3
10	APPROPRIATE MODELS FOR SIMULATING OPEN-POROUS MATERIALS. Image Analysis and Stereology, 2017, 36, 107.	0.4	6
11	Numerical design of Metalâ€Organic Vapour Phase Epitaxy process for gallium nitride epitaxial growth. Crystal Research and Technology, 2016, 51, 762-770.	0.6	2
12	Micro-Computed Tomography and Finite Element Method Study of Open-Cell Porous Materials. MATEC Web of Conferences, 2015, 30, 03006.	0.1	1
13	Design of Mechanical Properties of Open-Cell Porous Materials Based on Î¼CT Study of Commercial Foams. MATEC Web of Conferences, 2015, 30, 03005.	0.1	2
14	Pressure drop in flow across ceramic foamsâ€”A numerical and experimental study. Chemical Engineering Science, 2015, 137, 320-337.	1.9	39
15	The influence of pore size variation on the pressure drop in open-cell foams. Materials and Design, 2015, 87, 650-655.	3.3	38
16	Modeling of heat and mass transfer in an SiC CVD reactor as a tool to design modern materials for high power electronics applications. WIT Transactions on Engineering Sciences, 2015, , .	0.0	0
17	Numerical simulations of heat and mass transfer in the MOVPE process for obtaining high-quality nitride-based semiconductors. , 2015, , .		0
18	Numerical simulations of epitaxial growth process in MOVPE reactor as a tool for design of modern semiconductors for high power electronics. , 2014, , .		1

#	Article	IF	Citations
19	Imaging resolution of AFM with probes modified with FIB. Micron, 2014, 66, 23-30.	1.1	6
20	Structure of foams modeled by Laguerreâ€“Voronoi tessellations. Computational Materials Science, 2013, 67, 216-221.	1.4	75
21	Computational design of the flow properties of foams. , 2012, , .		5