

# Virtual Materials Design: Properties of Cellular Solids D Images

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Second-order analysis by variograms for curvature measures of two-phase structures. <i>European Physical Journal B</i> , 2005, 47, 397-409.	0.6	28
2	Deformation of steel powder compacts during sintering: Correlation between macroscopic measurement and in situ microtomography analysis. <i>Acta Materialia</i> , 2006, 54, 513-522.	3.8	51
3	Quantitative properties of complex porous materials calculated from x-ray $\mu$ CT images. , 2006, , .		6
4	X-Ray Micro-Tomography Applications Of Relevance To The Petroleum Industry. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	1
5	Developing a virtual materials laboratory. <i>Materials Today</i> , 2007, 10, 44-51.	8.3	160
6	Recent advances in X-ray microtomography applied to materials. <i>International Materials Reviews</i> , 2008, 53, 129-181.	9.4	415
7	Pore3D: A software library for quantitative analysis of porous media. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 615, 326-332.	0.7	124
8	Structure and deformation correlation of closed-cell aluminium foam subject to uniaxial compression. <i>Acta Materialia</i> , 2012, 60, 3604-3615.	3.8	78
9	Modeling the mechanical properties of optimally processed cordieriteâ€“mulliteâ€“alumina ceramic foams by X-ray computed tomography and finite element analysis. <i>Acta Materialia</i> , 2012, 60, 4235-4246.	3.8	32
10	The effects of manufacturing parameters on geometrical and mechanical properties of copper foams produced by space holder technique. <i>Materials &amp; Design</i> , 2014, 53, 681-690.	5.1	44
11	Quantitative X-ray tomography. <i>International Materials Reviews</i> , 2014, 59, 1-43.	9.4	975
12	Three-dimensional digitalization modeling characterization of pores in high-rank coal in the southern Qinshui basin. <i>Geosciences Journal</i> , 2019, 23, 175-188.	0.6	4
13	Fracture Behavior of Mullite Reticulated Porous Ceramics for Porous Media Combustion. <i>Frontiers in Chemistry</i> , 2019, 7, 792.	1.8	7
14	Combining numerical models and discretizing methods in the analysis of bamboo parenchyma using finite element analysis based on X-ray microtomography. <i>Wood Science and Technology</i> , 2020, 54, 161-186.	1.4	27
15	Characteristics of high-rank coal structure parallel and perpendicular to the bedding plane via NMR and X-ray CT. <i>Petroleum Science</i> , 2020, 17, 925-938.	2.4	3
17	Wood biomimetics: Capturing and simulating the mesoscale complexity of willow using cross-correlation reconstruction algorithm and 3D printing. <i>Materials and Design</i> , 2023, 228, 111812.	3.3	2
18	Tortuosity-Porosity Relationships: Review of Empirical Data from Literature. <i>Springer Series in Materials Science</i> , 2023, , 51-89.	0.4	0