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List of Publications by Year in descending order

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1937685

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135
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic penetration of cellular solids: Experimental investigation using Hopkinson bar and computed tomography. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140096.	5.6	22
2	Compressive properties of auxetic structures produced with direct 3D printing. <i>Materiali in Tehnologije</i> , 2016, 50, 311-317.	0.5	20
3	Micromechanical Properties of Biocompatible Materials for Bone Tissue Engineering Produced by Direct 3D Printing. <i>Key Engineering Materials</i> , 2015, 662, 138-141.	0.4	2
4	Evaluation of Material Parameters of Multiphase Materials Using Drift Distortion Corrected SEM Imaging. <i>Key Engineering Materials</i> , 2015, 662, 253-256.	0.4	0
5	Determination of elastic-plastic properties of Alporas foam at the cell-wall level using microscale-cantilever bending tests. <i>Materiali in Tehnologije</i> , 2015, 49, 203-206.	0.5	1
6	Properties of polymer-filled aluminium foams under moderate strain-rate loading conditions. <i>Materiali in Tehnologije</i> , 2015, 49, 597-600.	0.5	0
7	Inspection of Post Impact Fatigue Damage in Carbon Fibre Composite Using Modulus Mapping Technique. <i>Key Engineering Materials</i> , 2014, 606, 245-248.	0.4	2
8	High-resolution time-lapse tomography of rat vertebrae during compressive loading: deformation response analysis. <i>Journal of Instrumentation</i> , 2014, 9, C05054-C05054.	1.2	0
9	Radiographical investigation of fluid penetration processes in natural stones used in historical buildings. <i>Journal of Instrumentation</i> , 2014, 9, C05040-C05040.	1.2	4
10	Material Testing of Natural Stones Used in Historical Buildings Based on Scanning Electron Microscopy and Nanoindentation. <i>Key Engineering Materials</i> , 2013, 586, 186-189.	0.4	2
11	Verification of Numerical Model for Trabecular Tissue Using Compression Test and Time-Lapse X-Ray Radiography Based on Material Model Determined from Three-Point Bending Test of Single Trabecula. <i>Key Engineering Materials</i> , 2013, 586, 265-269.	0.4	3
12	X-ray and finite element analysis of deformation response of closed-cell metal foam subjected to compressive loading. <i>Journal of Instrumentation</i> , 2013, 8, C02012-C02012.	1.2	20
13	Displacement tracking in single human trabecula with metal-plated micro-spheres using X-ray radiography imaging. <i>Journal of Instrumentation</i> , 2013, 8, C02041-C02041.	1.2	2
14	Instrumentation for Micromechanics Research in Trabecular Bone. , 2013, , .		0
15	Real-time X-ray microradiographic imaging and image correlation for local strain mapping in single trabecula under mechanical load. <i>Journal of Instrumentation</i> , 2011, 6, C11007-C11007.	1.2	5
16	Numerical modelling of the reinforcing effect of geosynthetic material used in ballasted railway tracks. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2010, 224, 259-267.	2.0	5
17	Micro-Mechanical Testing of Metal Foam Cell Walls Using Miniature Three-Point Bending. <i>Key Engineering Materials</i> , 0, 586, 120-124.	0.4	4
18	Evaluation of Local Plastic Flow in the Vicinity of Indentation by the Means of DIC Applied on SEM Micrographs. <i>Key Engineering Materials</i> , 0, 586, 257-260.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Inspection of Local Influenced Zones in Micro-Scale Aluminium Specimens. Key Engineering Materials, 0, 606, 39-42.	0.4	0
20	Mapping of Local Changes of Mechanical Properties in Trabecular Interconnections. Key Engineering Materials, 0, 662, 129-133.	0.4	0
21	INFLUENCE OF PRINTING AND LOADING DIRECTION ON MECHANICAL RESPONSE IN 3D PRINTED MODELS OF HUMAN TRABECULAR BONE. Acta Polytechnica CTU Proceedings, 0, 18, 24.	0.3	3
22	UTILIZATION OF IMAGE AND SIGNAL PROCESSING TECHNIQUES FOR ASSESSMENT OF BUILT HERITAGE CONDITION. Acta Polytechnica CTU Proceedings, 0, 18, 55.	0.3	0
23	About YSESM 2019. , 0, , .		0