Shwe Soe

List of Publications by Year
in descending order

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19 papers	571 citations	687220 13 h-index	839398 18 g-index
19 all docs	19 docs citations	19 times ranked	592 citing authors

#	Article	IF	Citations
1	Mechanical behaviour of additively manufactured elastomeric pre-buckled honeycombs under quasi-static and impact loading. Materials and Design, 2022, 213, 110368.	3.3	14
2	Response of gyroid lattice structures to impact loads. International Journal of Impact Engineering, 2022, 164, 104202.	2.4	27
3	Investigating the dynamic compression response of elastomeric, additively manufactured fluid-filled structures via experimental and finite element analyses. Additive Manufacturing, 2021, 39, 101885.	1.7	5
4	The Effect of Heat Treatment of AlSi10Mg on the Energy Absorption Performance of Surface-Based Structures. Smart Innovation, Systems and Technologies, 2021, , 395-402.	0.5	0
5	Effect of hot cracking on the mechanical properties of Hastelloy X superalloy fabricated by laser powder bed fusion additive manufacturing. Optics and Laser Technology, 2020, 124, 105984.	2.2	49
6	Mechanical characterisation of additively manufactured elastomeric structures for variable strain rate applications. Additive Manufacturing, 2019, 27, 398-407.	1.7	14
7	On the AIC-based model reduction for the general Holzapfelâ€“Ogden myocardial constitutive law. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1213-1232.	1.4	32
8	Quasi-static analysis of mechanical properties of Ti6Al4V lattice structures manufactured using selective laser melting. International Journal of Advanced Manufacturing Technology, 2018, 94, 2301-2313.	1.5	61
9	Manufacturability of AlSi10Mg overhang structures fabricated by laser powder bed fusion. Materials and Design, 2018, 160, 1080-1095.	3.3	114
10	Biomechanical properties and microstructure of neonatal porcine ventricles. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 18-28.	1.5	20
11	Region-Specific Microstructure in the Neonatal Ventricles of a Porcine Model. Annals of Biomedical Engineering, 2018, 46, 2162-2176.	1.3	9
12	Enhancing parametric design through non-manifold topology. Design Studies, 2017, 52, 96-114.	1.9	21
13	An Investigation into the Quasi-Static Response of Ti6Al4V Lattice Structures Manufactured Using Selective Laser Melting. Smart Innovation, Systems and Technologies, 2016, , 399-409.	0.5	5
14	An Integrated Eco-Design Decision Making Tool. Smart Innovation, Systems and Technologies, 2016, , 537-548.	0.5	1
15	Feasibility of optimising bicycle helmet design safety through the use of additive manufactured TPE cellular structures. International Journal of Advanced Manufacturing Technology, 2015, 79, 1975-1982.	1.5	33
16	Integrated eco-design decision-making for sustainable product development. International Journal of Production Research, 2015, 53, 549-571.	4.9	83
17	Assessment of non-uniform shrinkage in the laser sintering of polymer materials. International Journal of Advanced Manufacturing Technology, 2013, 68, 111-125.	1.5	29
18	Quantitative analysis on SLS part curling using EOS P700 machine. Journal of Materials Processing Technology, 2012, 212, 2433-2442.	3.1	35

#	Article	IF	Citations
19	Some demands on rapid prototypes used as master patterns in rapid tooling for injection moulding. Journal of Materials Processing Technology, 2004, 150, 201-207.	3.1	19