

Producing metal matrix syntactic foams by pressure in

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Microstructural characterisation of syntactic foams. Journal of Materials Science, 2009, 44, 4013-4019.	1.7	32
2	On the microstructure of ceramic hollow microspheres. Periodica Polytechnica, Mechanical Engineering, 2010, 54, 89.	0.8	13
3	Infiltration Characteristics and Compressive Behaviour of Metal Matrix Syntactic Foams. Materials Science Forum, 2012, 729, 68-73.	0.3	6
4	Effects of specimen aspect ratio on the compressive properties of Mg alloy foam. Materials & Design, 2012, 42, 32-36.	5.1	25
5	Compressive characteristics of metal matrix syntactic foams. Composites Part A: Applied Science and Manufacturing, 2012, 43, 553-561.	3.8	126
6	Compressive properties of aluminium matrix syntactic foams. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 555, 52-56.	2.6	92
7	Prediction of the mean folding force during the axial compression in foam-filled grooved tubes by theoretical analysis. Materials & Design, 2012, 37, 144-151.	5.1	61
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9	Al ² O ₃ syntactic foams – Part I: Effect of matrix strength and hollow sphere size on the quasi-static properties of Al-A206/Al ₂ O ₃ syntactic foams. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 582, 415-422.	2.6	81
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19	Characteristic compressive properties of hybrid metal matrix syntactic foams. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 606, 248-256.	2.6	69
20	Aluminum-ceramic cenospheres syntactic foams produced by powder metallurgy route. <i>Materials and Design</i> , 2015, 85, 444-454.	3.3	82
21	Quasi-static and high strain rate response of aluminum matrix syntactic foams under compression. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 79, 82-91.	3.8	56
22	In situ manufacturing and mechanical properties of syntactic foam filled tubes. <i>Materials and Design</i> , 2016, 99, 356-368.	3.3	65
23	On the sintering mechanisms and microstructure of aluminium-ceramic cenospheres syntactic foams produced by powder metallurgy route. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 82, 8-19.	3.8	42
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38	Compressive Behavior of AlSiMg0.5Mn Matrix Syntactic Foam Produced via Thixoinfiltration of Fly Ash Micro Balloons. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 19-25.	0.3	0
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40	Investigation of Energy-Absorbing Properties of a Bio-Inspired Structure. Metals, 2021, 11, 881.	1.0	6
41	Effect of Aging Heat Treatment on Compressive Characteristics of Bimodal Aluminum Syntactic Foams Produced by Cold Chamber Die Casting. International Journal of Metalcasting, 2022, 16, 646-662.	1.5	9
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