

Benat Kockar

List of Publications by Year in descending order

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392
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermomechanical cyclic response of an ultrafine-grained NiTi shape memory alloy. Acta Materialia, 2008, 56, 3630-3646.	7.9	187
2	Shape memory behavior and tensionâ€“compression asymmetry of a FeNiCoAlTa single-crystalline shape memory alloy. Acta Materialia, 2012, 60, 2186-2195.	7.9	83
3	Role of severe plastic deformation on the cyclic reversibility of a Ti50.3Ni33.7Pd16 high temperature shape memory alloy. Acta Materialia, 2010, 58, 6411-6420.	7.9	75
4	Effect of severe ausforming via equal channel angular extrusion on the shape memory response of a NiTi alloy. Journal of Nuclear Materials, 2007, 361, 298-305.	2.7	59
5	Severe plastic deformation of Ti74Nb26 shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7628-7635.	5.6	21
6	The effect of dynamic aging on the cyclic stability of Cu 73 Al 16 Mn 11 shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 701, 352-358.	5.6	17
7	The effects of cold rolling and the subsequent heat treatments on the shape memory and the superelasticity characteristics of Cu ₇₃ Al ₁₆ Mn ₁₁ shape memory alloy. Smart Materials and Structures, 2018, 27, 015028.	3.5	11
8	Effect of the cooling rate on the thermal and thermomechanical behavior of NiTiHf high-temperature shape memory alloy. Journal of Materials Research, 2020, 35, 1572-1581.	2.6	10
9	Effect of Aging Heat Treatment on the High Cycle Fatigue Life of Ni50.3Ti29.7Hf20 High-Temperature Shape Memory Alloy. Shape Memory and Superelasticity, 2019, 5, 32-41.	2.2	9
10	Shape memory behavior of Ni-rich NiTi foam with different porosity percentages. Journal of Intelligent Material Systems and Structures, 2013, 24, 1131-1137.	2.5	7
11	Influence of limiting the actuation strain on the functional fatigue behavior of Ni _{50.3} Ti _{29.7} Hf ₂₀ high temperature shape memory alloy. Journal of Intelligent Material Systems and Structures, 2021, 32, 219-227.	2.5	6
12	Comparison of the transformation behavior of cold rolling with aging and hot extrusion with aging processed Ni50.3Ti29.7Hf20 high temperature shape memory alloy. Smart Materials and Structures, 2019, 28, 105029.	3.5	4
13	Investigating the effect of hot extrusion and annealing to the functional fatigue behavior of Ni ₅₀ Ti ₃₀ Hf ₂₀ high temperature shape memory alloy. Smart Materials and Structures, 2021, 30, 105017.	3.5	4
14	Epidermal growth factor enhances spinal fusion: Posterolateral lumbar fusion model on rats. Acta Orthopaedica Et Traumatologica Turcica, 2019, 53, 134-139.	0.8	3
15	The tensile and impact resistance properties of accumulative roll bonded Al6061 and AZ31 alloy plates. Journal of Materials Research, 2014, 29, 1223-1230.	2.6	1
16	Crack growth behavior during actuation cycling of hot extruded and annealed Ni ₅₀ Ti ₃₀ Hf ₂₀ high temperature shape memory alloys. Smart Materials and Structures, 2022, 31, 095002.	3.5	1
17	Comparison of the Work Output Values of Gradually Changing Porosity Samples and the Samples with Single Percent Porosity Level. , 2015, , 201-210.		0