

Boyd Panton

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

559
citations

840585

11
h-index

794469

19
g-index

20
all docs

20
docs citations

20
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser joining of NiTi to Ti6Al4V using a Niobium interlayer. Acta Materialia, 2016, 105, 9-15.	3.8	181
2	Laser welded superelastic Cu-Al-Mn shape memory alloy wires. Materials and Design, 2016, 90, 122-128.	3.3	68
3	Controlling intermetallic compounds formation during laser welding of NiTi to 316L stainless steel. Intermetallics, 2020, 116, 106656.	1.8	67
4	Dissimilar laser welding of NiTi shape memory alloy and copper. Smart Materials and Structures, 2015, 24, 125036.	1.8	49
5	Dissimilar Laser Joining of NiTi SMA and MP35N Wires. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 3533-3544.	1.1	31
6	A review of high energy density beam processes for welding and additive manufacturing applications. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 1235-1306.	1.3	26
7	Thermomechanical fatigue of post-weld heat treated NiTi shape memory alloy wires. International Journal of Fatigue, 2016, 92, 1-7.	2.8	21
8	Effect of Laser Positioning on the Microstructure and Properties of NiTi-Copper Dissimilar Laser Welds. Journal of Materials Engineering and Performance, 2020, 29, 849-857.	1.2	19
9	An Experimental Study of Transient Liquid Phase Bonding of the Ternary Ag-Au-Cu System Using Differential Scanning Calorimetry. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 3708-3720.	1.1	17
10	Local composition and microstructure control for multiple pseudoelastic plateau and hybrid self-biasing shape memory alloys. Materials and Design, 2016, 92, 802-813.	3.3	12
11	Superelasticity preservation in dissimilar joint of NiTi shape memory alloy to biomedical PtIr. Materialia, 2021, 16, 101090.	1.3	12
12	Effects of post-processing on the thermomechanical fatigue properties of laser modified NiTi. International Journal of Fatigue, 2019, 118, 307-315.	2.8	12
13	High strength impact welding of NiTi and stainless steel wires. Smart Materials and Structures, 2020, 29, 105023.	1.8	11
14	A stabilized, high stress self-biasing shape memory alloy actuator. Smart Materials and Structures, 2016, 25, 095027.	1.8	10
15	High strength welding of NiTi and stainless steel by impact: Process, structure and properties. Materials Today Communications, 2020, 25, 101306.	0.9	8
16	Laser weld formation and microstructure evolution in stainless steel alloys. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 1521-1534.	1.3	6
17	Influence of focus and deflection when comparing electron beam welds to laser welds at varying parameters in 304 SS. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 1007-1014.	1.3	4
18	High-strength micro impact welding of NiTi wire to brass sheet. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 1799-1809.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Laser Alloying as an Effective Way to Fabricate NiTiPt Shape Memory Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4368-4378.	1.1	1
20	An Innovative Laser-Processed NiTi Self-Biasing Linear Actuator. , 2013, , .		1