

Amirali Shamsolhodaie

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Twin-based martensite stabilizing and improving the shape memory response of near equiatomic NiTi alloy through multi-axial forging. <i>Journal of Materials Research and Technology</i> , 2022, 16, 39-46.	5.8	3
2	Resistance spot welding of NiTi shape memory alloy sheets: Microstructural evolution and mechanical properties. <i>Journal of Manufacturing Processes</i> , 2022, 81, 467-475.	5.9	5
3	A comprehensive insight into the superelasticity measurement of laser welded NiTi shape memory alloys. <i>Materials Letters</i> , 2021, 287, 129310.	2.6	7
4	Superelasticity preservation in dissimilar joint of NiTi shape memory alloy to biomedical PtIr. <i>Materialia</i> , 2021, 16, 101090.	2.7	12
5	Laser Alloying as an Effective Way to Fabricate NiTiPt Shape Memory Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 4368-4378.	2.2	1
6	Study on weld formation and segregation mechanism for dissimilar pulse laser welding of NiTi and Cu wires. <i>Optics and Laser Technology</i> , 2021, 140, 107071.	4.6	10
7	Controlling intermetallic compounds formation during laser welding of NiTi to 316L stainless steel. <i>Intermetallics</i> , 2020, 116, 106656.	3.9	67
8	Effect of Laser Positioning on the Microstructure and Properties of NiTi-Copper Dissimilar Laser Welds. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 849-857.	2.5	19
9	Enhancement of mechanical and functional properties of welded NiTi by controlling nickel vapourisation. <i>Science and Technology of Welding and Joining</i> , 2019, 24, 706-712.	3.1	19
10	Microstructural Evolution and Texture Analysis in a Thermomechanically Processed Low SFE Superâ€Austenitic Steel (Alloyâ€28). <i>Advanced Engineering Materials</i> , 2018, 20, 1700928.	3.5	10
11	Structural and functional properties of a semi equiatomic NiTi shape memory alloy processed by multi-axial forging. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 700, 1-9.	5.6	27
12	Room temperature superelastic responses of NiTi alloy treated by two distinct thermomechanical processing schemes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 684, 303-311.	5.6	23
13	Shape memory response and mechanical properties of warm deformed NiTi intermetallic alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 680, 291-296.	5.6	14
14	The Enhanced Shape Memory Effect and Mechanical Properties in Thermomechanically Processed Semiâ€Equiatomic NiTi Shape Memory Alloy. <i>Advanced Engineering Materials</i> , 2016, 18, 251-258.	3.5	11
15	The evolution of β -Mg ₁₇ Al ₁₂ intermetallic compound during accumulative back extrusion and subsequent ageing treatment. <i>Philosophical Magazine</i> , 2015, 95, 3497-3523.	1.6	24
16	The high temperature flow behavior modeling of NiTi shape memory alloy employing phenomenological and physical based constitutive models: A comparative study. <i>Intermetallics</i> , 2014, 53, 140-149.	3.9	55
17	Effects of electrodeposition parameters on morphology and properties of Znâ€TiO ₂ composite coating. <i>Surface Engineering</i> , 2013, 29, 695-699.	2.2	17