Emanuele Sgambitterra

List of Publications by Year
in descending order

22	305	933447 10	888059 17
papers	citations	h-index	g-index

22	22	22	264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shape Memory Alloyâ€"Polymer Composites: Static and Fatigue Pullout Strength under Thermo-Mechanical Loading. Materials, 2022, 15, 3216.	2.9	2
2	Surface roughness effect on multiaxial fatigue behavior of additively manufactured Ti6Al4V alloy. International Journal of Fatigue, 2022, 163, 107022.	5.7	13
3	Multiaxial fatigue behavior of additively manufactured Ti6Al4V alloy: Axialâ€"torsional proportional loads. Material Design and Processing Communications, 2021, 3, e190.	0.9	3
4	Multiaxial fatigue behavior of SLM Ti6Al4V alloy under different loading conditions. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2625-2642.	3.4	11
5	Inverse problems with the digital image correlation: approach and applications. Frattura Ed Integrita Strutturale, 2021, 15, 300-320.	0.9	0
6	A new methodology for measuring residual stress using a modified Berkovich nano-indenter. International Journal of Mechanical Sciences, 2021, 207, 106662.	6.7	14
7	Shape memory alloys-polymer composites: interfacial strength under mechanical and thermal loading. Procedia Structural Integrity, 2021, 33, 1073-1081.	0.8	2
8	Functional and Structural Fatigue of Pseudoelastic NiTi: Global Vs Local Thermo-Mechanical Response. Shape Memory and Superelasticity, 2020, 6, 242-255.	2.2	10
9	Low-to-high cycle fatigue properties of a NiTi shape memory alloy. Procedia Structural Integrity, 2019, 18, 908-913.	0.8	5
10	Multiaxial fatigue behavior of additive manufactured Ti-6Al-4V under in-phase stresses. Procedia Structural Integrity, 2019, 18, 914-920.	0.8	8
11	Novel insight into the strain-life fatigue properties of pseudoelastic NiTi shape memory alloys. Smart Materials and Structures, 2019, 28, 10LT03.	3.5	18
12	Assessment of the mechanical performance of titanium cranial prostheses manufactured by super plastic forming and single point incremental forming. AIP Conference Proceedings, 2018, , .	0.4	2
13	Fatigue assessment of Ti-6Al-4V titanium alloy laser welded joints in absence of filler material by means of full-field techniques. Frattura Ed Integrita Strutturale, 2018, 12, 171-181.	0.9	0
14	Performances Analysis of Titanium Prostheses Manufactured by Superplastic Forming and Incremental Forming. Procedia Engineering, 2017, 183, 168-173.	1.2	20
15	Experimental comparison of the MIG, friction stir welding, cold metal transfer and hybrid laser-MIG processes for AA 6005-T6 aluminium alloy. AIP Conference Proceedings, 2016, , .	0.4	8
16	Temperature dependent fracture properties of shape memory alloys: novel findings and a comprehensive model. Scientific Reports, 2016, 6, 17.	3.3	49
17	Modeling and simulation of the thermo-mechanical response of NiTi-based Belleville springs. Journal of Intelligent Material Systems and Structures, 2016, 27, 81-91.	2.5	17
18	Effects of Higher Order Terms in Fracture Mechanics of Shape Memory Alloys Bydigital Image Correlation. Procedia Engineering, 2015, 109, 457-464.	1.2	15

#	Article	IF	Citations
19	Investigation on Crack Tip Transformation in NiTi Alloys: Effect of the Temperature. Shape Memory and Superelasticity, 2015, 1, 275-283.	2.2	24
20	A thermo-mechanical model for shape memory alloyâ€“based crank heat engines. Journal of Intelligent Material Systems and Structures, 2015, 26, 652-662.	2.5	0
21	Temperature dependent local phase transformation in shape memory alloys by nanoindentation. Scripta Materialia, 2015, 101, 64-67.	5.2	43
22	Crack tip stress distribution and stress intensity factor in shape memory alloys. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 903-912.	3.4	41