

Tarek hassine

List of Publications by Year in descending order

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26
papers

324
citations

933447

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839539

18
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26
all docs

26
docs citations

26
times ranked

239
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element modelling of shot peening process: Prediction of the compressive residual stresses, the plastic deformations and the surface integrity. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 426, 173-180.	5.6	144
2	Probabilistic high cycle fatigue behaviour prediction based on global approach criteria. <i>International Journal of Fatigue</i> , 2007, 29, 209-221.	5.7	28
3	Optimization of mechanical properties of printed acrylonitrile butadiene styrene using RSM design. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 1363-1372.	3.0	18
4	Tensile behaviour of superelastic NiTi alloys charged with hydrogen under applied strain. <i>Materials Science and Technology</i> , 2017, 33, 1533-1538.	1.6	16
5	Ageing effect and rate dependency of a NiTi shape memory alloy after hydrogen charging. <i>Journal of Alloys and Compounds</i> , 2014, 615, S680-S683.	5.5	14
6	A coupled model between hydrogen diffusion and mechanical behavior of superelastic NiTi alloys. <i>Smart Materials and Structures</i> , 2017, 26, 075001.	3.5	14
7	Dynamic approach for optimal inspection planning of fatigue cracked components. <i>Journal of Constructional Steel Research</i> , 2015, 115, 263-275.	3.9	13
8	Finite element analysis of hydrogen effects on superelastic NiTi shape memory alloys: Orthodontic application. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 3188-3198.	2.5	12
9	Rate Dependency During Relaxation of Superelastic Orthodontic NiTi Alloys After Hydrogen Charging. <i>Shape Memory and Superelasticity</i> , 2016, 2, 121-127.	2.2	11
10	Mechanical behavior of NiTi arc wires under pseudoelastic cycling and cathodically hydrogen charging. <i>Materials Research Express</i> , 2018, 5, 015704.	1.6	11
11	<i>In situ</i> stress relaxation mechanism of a superelastic NiTi shape memory alloy under hydrogen charging. <i>Philosophical Magazine Letters</i> , 2017, 97, 50-57.	1.2	9
12	Identification of Communication Cables Based on Scattering Parameters and a Support Vector Machine Algorithm. , 2021, 5, 1-4.		8
13	Modeling of rate dependency of mechanical behavior of superelastic NiTi alloy under cyclic loading. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 2715-2724.	3.0	6
14	Modeling of Hydrogen Diffusion Towards a NiTi Arch Wire Under Cyclic Loading. <i>Metals and Materials International</i> , 2021, 27, 413-424.	3.4	5
15	Hydrogen Effect on the Cyclic Behavior of a Superelastic NiTi Archwire. <i>Metals</i> , 2019, 9, 316.	2.3	4
16	Coupled Diffusion-Mechanical Model of NiTi Alloys Accounting for Hydrogen Diffusion and Ageing. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050039.	2.2	4
17	Contribution for a better characterization of the tensile mechanical behaviour of flax/PP biocomposite materials. <i>Materials Research Express</i> , 2018, 5, 125504.	1.6	3
18	Three-dimensional coupling between orthodontic bone remodeling and superelastic behavior of a NiTi wire applied for initial alignment. <i>Journal of Orofacial Orthopedics</i> , 2021, 82, 99-110.	1.3	2

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19	Effect of Hydrogen on the Stress Relaxation of Aged NiTi Shape Memory Alloys. Acta Physica Polonica A, 2016, 129, 714-716.	0.5	1
20	Modeling of viscoelastic behavior of a shape memory polymer blend. Journal of Applied Polymer Science, 0, , 51859.	2.6	1
21	Adaptation et fatigue de composants mécaniques sous chargement complexe. Mecanique Et Industries, 2000, 1, 603-608.	0.2	0
22	Multidisciplinary optimization of a quad-rotor by integrating multi-level models. , 2014, , .		0
23	A stress distribution modelization of a neat fit pin-loaded hub. World Journal of Engineering, 2018, 15, 414-421.	1.6	0
24	Finite Element Investigations of the Shrink-Fit Assembly with Radial Cyclic Load. Lecture Notes in Mechanical Engineering, 2015, , 213-220.	0.4	0
25	Ni-Ti Superelastic Wire Coupled with Conventional Brackets During Bending Tests: Cross-section Effect Comparison. Lecture Notes in Mechanical Engineering, 2021, , 246-251.	0.4	0
26	Experimental Investigation of Mechanical Behavior of NiTi Arch Under Cycling Loading and Cathodically Hydrogen Charging. Lecture Notes in Mechanical Engineering, 2020, , 690-698.	0.4	0