Tarek hassine

List of Publications by Year
in descending order

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26	324	933447 10	839539 18
papers	citations	h-index	g-index

26	26	26	239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-dimensional coupling between orthodontic bone remodeling and superelastic behavior of aÂNiTi wire applied for initial alignment. Journal of Orofacial Orthopedics, 2021, 82, 99-110.	1.3	2
2	Modeling of Hydrogen Diffusion Towards a NiTi Arch Wire Under Cyclic Loading. Metals and Materials International, 2021, 27, 413-424.	3.4	5
3	Identification of Communication Cables Based on Scattering Parameters and a Support Vector Machine Algorithm. , 2021, 5, 1-4.		8
4	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
5	Coupled Diffusion-Mechanical Model of NiTi Alloys Accounting for Hydrogen Diffusion and Ageing. International Journal of Applied Mechanics, 2020, 12, 2050039.	2.2	4
6	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
7	Hydrogen Effect on the Cyclic Behavior of a Superelastic NiTi Archwire. Metals, 2019, 9, 316.	2.3	4
8	Modeling of rate dependency of mechanical behavior of superelastic NiTi alloy under cyclic loading. International Journal of Advanced Manufacturing Technology, 2019, 100, 2715-2724.	3.0	6
9	Optimization of mechanical properties of printed acrylonitrile butadiene styrene using RSM design. International Journal of Advanced Manufacturing Technology, 2019, 100, 1363-1372.	3.0	18
10	Finite element analysis of hydrogen effects on superelastic NiTi shape memory alloys: Orthodontic application. Journal of Intelligent Material Systems and Structures, 2018, 29, 3188-3198.	2.5	12
11	A stress distribution modelization of a neat fit pin-loaded hub. World Journal of Engineering, 2018, 15, 414-421.	1.6	0
12	Mechanical behavior of NiTi arc wires under pseudoelastic cycling and cathodically hydrogen charging. Materials Research Express, 2018, 5, 015704.	1.6	11
13	Contribution for a better characterization of the tensile mechanical behaviour of flax/PP biocomposite materials. Materials Research Express, 2018, 5, 125504.	1.6	3
14	In situ stress relaxation mechanism of a superelastic NiTi shape memory alloy under hydrogen charging. Philosophical Magazine Letters, 2017, 97, 50-57.	1.2	9
15	Tensile behaviour of superelastic NiTi alloys charged with hydrogen under applied strain. Materials Science and Technology, 2017, 33, 1533-1538.	1.6	16
16	A coupled model between hydrogen diffusion and mechanical behavior of superelastic NiTi alloys. Smart Materials and Structures, 2017, 26, 075001.	3.5	14
17	Rate Dependency During Relaxation of Superelastic Orthodontic NiTi Alloys After Hydrogen Charging. Shape Memory and Superelasticity, 2016, 2, 121-127.	2.2	11
18	Effect of Hydrogen on the Stress Relaxation of Aged NiTi Shape Memory Alloys. Acta Physica Polonica A, 2016, 129, 714-716.	0.5	1

#	Article	IF	Citations
19	Dynamic approach for optimal inspection planning of fatigue cracked components. Journal of Constructional Steel Research, 2015, 115, 263-275.	3.9	13
20	Finite Element Investigations of the Shrink-Fit Assembly with Radial Cyclic Load. Lecture Notes in Mechanical Engineering, 2015, , 213-220.	0.4	0
21	Multidisciplinary optimization of a quad-rotor by integrating multi-level models. , 2014, , .		0
22	Ageing effect and rate dependency of a NiTi shape memory alloy after hydrogen charging. Journal of Alloys and Compounds, 2014, 615, S680-S683.	5.5	14
23	Probabilistic high cycle fatigue behaviour prediction based on global approach criteriaâˆ†. International Journal of Fatigue, 2007, 29, 209-221.	5.7	28
24	Finite element modelling of shot peening process: Prediction of the compressive residual stresses, the plastic deformations and the surface integrity. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 426, 173-180.	5.6	144
25	Adaptation et fatigue de composants mÃ©caniques sous chargement complexe. Mecanique Et Industries, 2000, 1, 603-608.	0.2	0
26	Modeling of viscoelastic behavior of a shape memory polymer blend. Journal of Applied Polymer Science, 0, , 51859.	2.6	1