Enrico Troiani

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7191215/publications.pdf

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26	234	1163117 8	1058476 14
papers	citations	h-index	g-index

28	28	28	213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broadband signal reconstruction for SHM: An experimental and numerical time reversal methodology. Journal of Intelligent Material Systems and Structures, 2021, 32, 1043-1058.	2.5	10
2	Hygrothermal Ageing Influence on BVI-Damaged Carbon/Epoxy Coupons under Compression Load. Polymers, 2021, 13, 2038.	4.5	8
3	Static Aeroelastic Beam Model Development for Folding Winglet Design. Aerospace, 2020, 7, 106.	2.2	4
4	Material Characterization for Reliable Resin Transfer Molding Process Simulation. Applied Sciences (Switzerland), 2020, 10, 1814.	2.5	7
5	The Effect of Laser Peening without Coating on the Fatigue of a 6082-T6 Aluminum Alloy with a Curved Notch. Metals, 2019, 9, 728.	2.3	14
6	Experimental determination of thickness influence on compressive residual strength of impacted carbon/epoxy laminate. Procedia Structural Integrity, 2017, 3, 237-245.	0.8	2
7	Analytical evaluation of the Stress Intensity Factor in stiffened sheets with multiple side damage. AIMS Materials Science, 2016, 3, 1615-1622.	1.4	0
8	Experimental Determination of Compressive Residual Strength of a Carbon/epoxy Laminate after a Near-edge Impact. Procedia Engineering, 2015, 109, 171-180.	1.2	6
9	FEM Analysis and Experimental Validation of Friction Welding Process of 6xxx Alloys for the Prediction of Welding Quality. Materials Today: Proceedings, 2015, 2, 5045-5054.	1.8	4
10	Effect of Laser Shock Peening on the Fatigue Behavior of Thin Aluminum Panels. Materials Today: Proceedings, 2015, 2, 5006-5014.	1.8	6
11	Influence of Plying Strategies and Trigger Type on Crashworthiness Properties of Carbon Fiber Laminates Cured through Autoclave Processing. Strojniski Vestnik/Journal of Mechanical Engineering, 2014, 60, 375-381.	1.1	11
12	Estimate of compressive strength of an unidirectional composite lamina using cross-ply and angle-ply laminates. Frattura Ed Integrita Strutturale, 2014, 8, 399-409.	0.9	4
13	An ultra-wideband radar approach to nondestructive testing. , 2014, , .		9
14	Evaluation of bending strain measurements in a composite sailboat bowsprit with embedded fibre Bragg gratings. Measurement: Journal of the International Measurement Confederation, 2014, 54, 106-117.	5.0	13
15	Reliability and accuracy of embedded fiber Bragg grating sensors for strain monitoring in advanced composite structures. Metals and Materials International, 2014, 20, 537-543.	3.4	17
16	Fatigue in laser shock peened open-hole thin aluminium specimens. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 573-579.	5.6	60
17	Design Optimization of a Laser Cutting Machine by Elastodynamic Modeling. , 2008, , .		3
18	ALMASat Microsatellite Structural Analysis: finite elements techniques, vibration tests and results correlation. , 2006, , .		1

#	Article	IF	Citations
19	The microsatellite research program at UniversitÃ di Bologna. Acta Astronautica, 2005, 56, 696-704.	3.2	11
20	Title is missing!. Materialwissenschaft Und Werkstofftechnik, 2003, 34, 370-374.	0.9	4
21	The Lifting System with Minimum Induced Drag. , 2001, , 312-319.		1
22	Numerical Analysis of Laser Shock Peening as a Process for Generation of Compressive Residual Stresses in Open Hole Specimens. Materials Science Forum, 0, 681, 267-272.	0.3	2
23	Analysis of Residual Stress Effect on Fatigue Crack Propagation in Bonded Aeronautical Stiffened Panels. Materials Science Forum, 0, 681, 236-242.	0.3	1
24	Laser Shock Peening on a 6056-T4 Aluminium Alloy for Airframe Applications. Advanced Materials Research, 0, 891-892, 974-979.	0.3	10
25	Fatigue Crack Growth in Laser Shock Peened Thin Metallic Panels. Advanced Materials Research, 0, 996, 775-781.	0.3	9
26	CFRP Crash Absorbers in Small UAV: Design and Optimization. , 0, , .		6