

Enrico Troiani

List of Publications by Year in descending order

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26
papers

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1163117

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28
all docs

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docs citations

28
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue in laser shock peened open-hole thin aluminium specimens. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 534, 573-579.	5.6	60
2	Reliability and accuracy of embedded fiber Bragg grating sensors for strain monitoring in advanced composite structures. <i>Metals and Materials International</i> , 2014, 20, 537-543.	3.4	17
3	The Effect of Laser Peening without Coating on the Fatigue of a 6082-T6 Aluminum Alloy with a Curved Notch. <i>Metals</i> , 2019, 9, 728.	2.3	14
4	Evaluation of bending strain measurements in a composite sailboat bowsprit with embedded fibre Bragg gratings. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 54, 106-117.	5.0	13
5	The microsatellite research program at Università di Bologna. <i>Acta Astronautica</i> , 2005, 56, 696-704.	3.2	11
6	Influence of Plying Strategies and Trigger Type on Crashworthiness Properties of Carbon Fiber Laminates Cured through Autoclave Processing. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2014, 60, 375-381.	1.1	11
7	Laser Shock Peening on a 6056-T4 Aluminium Alloy for Airframe Applications. <i>Advanced Materials Research</i> , 0, 891-892, 974-979.	0.3	10
8	Broadband signal reconstruction for SHM: An experimental and numerical time reversal methodology. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 1043-1058.	2.5	10
9	An ultra-wideband radar approach to nondestructive testing. , 2014, , .		9
10	Fatigue Crack Growth in Laser Shock Peened Thin Metallic Panels. <i>Advanced Materials Research</i> , 0, 996, 775-781.	0.3	9
11	Hygrothermal Ageing Influence on BVI-Damaged Carbon/Epoxy Coupons under Compression Load. <i>Polymers</i> , 2021, 13, 2038.	4.5	8
12	Material Characterization for Reliable Resin Transfer Molding Process Simulation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1814.	2.5	7
13	Experimental Determination of Compressive Residual Strength of a Carbon/epoxy Laminate after a Near-edge Impact. <i>Procedia Engineering</i> , 2015, 109, 171-180.	1.2	6
14	CFRP Crash Absorbers in Small UAV: Design and Optimization. , 0, , .		6
15	Effect of Laser Shock Peening on the Fatigue Behavior of Thin Aluminum Panels. <i>Materials Today: Proceedings</i> , 2015, 2, 5006-5014.	1.8	6
16	Title is missing!. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2003, 34, 370-374.	0.9	4
17	Estimate of compressive strength of an unidirectional composite lamina using cross-ply and angle-ply laminates. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 399-409.	0.9	4
18	FEM Analysis and Experimental Validation of Friction Welding Process of 6xxx Alloys for the Prediction of Welding Quality. <i>Materials Today: Proceedings</i> , 2015, 2, 5045-5054.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Static Aeroelastic Beam Model Development for Folding Winglet Design. Aerospace, 2020, 7, 106.	2.2	4
20	Design Optimization of a Laser Cutting Machine by Elastodynamic Modeling. , 2008, , .		3
21	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
22	Experimental determination of thickness influence on compressive residual strength of impacted carbon/epoxy laminate. Procedia Structural Integrity, 2017, 3, 237-245.	0.8	2
23	ALMASat Microsatellite Structural Analysis: finite elements techniques, vibration tests and results correlation. , 2006, , .		1
24	Analysis of Residual Stress Effect on Fatigue Crack Propagation in Bonded Aeronautical Stiffened Panels. Materials Science Forum, 0, 681, 236-242.	0.3	1
25	The Lifting System with Minimum Induced Drag. , 2001, , 312-319.		1
26	Analytical evaluation of the Stress Intensity Factor in stiffened sheets with multiple side damage. AIMS Materials Science, 2016, 3, 1615-1622.	1.4	0