

Annalisa Fortini

List of Publications by Year in descending order

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papers

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840119

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42
all docs

42
docs citations

42
times ranked

390
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the impact behaviour of AlSi10Mg alloy produced using laser additive manufacturing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 748, 38-51.	2.6	52
2	Effect of different heat-treatment routes on the impact properties of an additively manufactured AlSi10Mg alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140671.	2.6	34
3	Combined effect of water uptake and temperature on wood polymer composites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46674.	1.3	31
4	Morphing blades with embedded SMA strips: An experimental investigation. <i>Materials and Design</i> , 2015, 85, 785-795.	3.3	30
5	On the influence of Mn and Mg additions on tensile properties, microstructure and quality index of the A356 aluminum foundry alloy. <i>Procedia Structural Integrity</i> , 2016, 2, 2238-2245.	0.3	23
6	Effects of microstructure and casting defects on the fatigue behavior of the high-pressure die-cast AlSi9Cu3(Fe) alloy. <i>Procedia Structural Integrity</i> , 2017, 7, 505-512.	0.3	23
7	Experimental analysis of micro-sized particles time-wise adhesion: the influence of impact velocity and surface roughness. <i>International Journal of Heat and Mass Transfer</i> , 2021, 165, 120632.	2.5	21
8	Comparative analysis of real and ideal wire-slot play in square and rectangular archwires. <i>Angle Orthodontist</i> , 2015, 85, 848-858.	1.1	19
9	A Shape Memory Alloy-Based Morphing Axial Fan Blade—Part I: Blade Structure Design and Functional Characterization. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016, 138, .	0.5	12
10	Comprehensive Evaluation of Modification Level Assessment in Sr-Modified Aluminium Alloys. <i>International Journal of Metalcasting</i> , 2018, 12, 697-711.	1.5	12
11	Influence of Vacuum Heat Treatments on Microstructure and Mechanical Properties of M35 High Speed Steel. <i>Metals</i> , 2020, 10, 643.	1.0	12
12	A Comparative Analysis on Organic and Inorganic Core Binders for a Gravity Diecasting Al Alloy Component. <i>International Journal of Metalcasting</i> , 2022, 16, 674-688.	1.5	12
13	A Shape Memory Alloy-based Morphing Axial Fan Blade: Functional Characterization and Perspectives. <i>Energy Procedia</i> , 2015, 82, 273-279.	1.8	11
14	Failure analysis of worn valve train components of a four-cylinder diesel engine. <i>Engineering Failure Analysis</i> , 2018, 92, 528-538.	1.8	11
15	Microstructural and Erosive Wear Characteristics of a High Chromium Cast Iron. <i>Coatings</i> , 2021, 11, 490.	1.2	10
16	On the improved adhesion of NiTi wires embedded in polyester and vinylester resins. <i>Frattura Ed Integrita Strutturale</i> , 2015, 9, 127-137.	0.5	9
17	A Shape Memory Alloy-Based Morphing Axial Fan Blade—Part II: Blade Shape and Computational Fluid Dynamics Analyses. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016, 138, .	0.5	9
18	Conservation state of cast iron metalworks in European street furniture. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	8

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19	Measurement approaches for the analysis of soil layer by microparticle adhesion. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110185.	2.5	8
20	Room Temperature Mechanical Properties of A356 Alloy with Ni Additions from 0.5 Wt to 2 Wt %. Metals, 2018, 8, 224.	1.0	7
21	A Shape Memory Alloy-Based Morphing Axial Fan Blade: Part II " Blade Shape and CFD Analyses. , 2015, , .		6
22	Using shape memory alloys for improving automotive fan blade performance: experimental and computational fluid dynamics analysis. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2015, 229, 477-486.	0.8	6
23	Restoration of Obliterated Numbers on 40NiCrMo4 Steel by Etching Method: Metallurgical and Statistical Approaches. Journal of Forensic Sciences, 2016, 61, 160-169.	0.9	6
24	Analysis of the Aerodynamic and Structural Performance of a Cooling Fan with Morphing Blade. International Journal of Turbomachinery, Propulsion and Power, 2017, 2, 7.	0.5	6
25	Gold hard anodized (GHA) materials with antimicrobial surface properties: mechanical, tribological, and microbiological characterization. Emergent Materials, 2021, 4, 249-263.	3.2	6
26	On the design strategies for SMA-based morphing actuators: state of the art and common practices applied to a fascinating case study. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 2114-2130.	0.7	6
27	TWSME of a NiTi strip in free bending conditions: experimental and theoretical approach. Frattura Ed Integrita Strutturale, 2014, 8, 74-84.	0.5	5
28	The Effect of Co-Deposition of SiC Sub-Micron Particles and Heat Treatment on Wear Behaviour of Niâ€P Coatings. Coatings, 2021, 11, 180.	1.2	5
29	Dry Sliding Behavior of an Aluminum Alloy after Innovative Hard Anodizing Treatments. Materials, 2021, 14, 3281.	1.3	5
30	An experimentally-driven approach to model bending in a thermally activated SMA-based beam. Smart Materials and Structures, 2018, 27, 125004.	1.8	4
31	Effect of Thermal Exposure Simulating Vapor Deposition on the Impact Behavior of Additively Manufactured AlSi10Mg Alloy. Journal of Materials Engineering and Performance, 2022, 31, 2859-2869.	1.2	4
32	Optical measurements based on practical methods for detecting time-wise morphing structures. Measurement: Journal of the International Measurement Confederation, 2019, 136, 454-465.	2.5	3
33	Tribological Behavior of a Rubber-Toughened Wood Polymer Composite. Polymers, 2021, 13, 2055.	2.0	3
34	Erosion behavior on a large-sized centrifugal fan. , 2019, , .		3
35	On the Anisotropic Impact Behavior of an Additively Manufactured AlSi10Mg Alloy in Different Heat Treatment Conditions. Journal of Materials Engineering and Performance, 2022, 31, 6806-6818.	1.2	2
36	A Shape Memory Alloy-Based Morphing Axial Fan Blade: Part I " Blade Structure Design and Functional Characterization. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	A Shape Memory Alloy-Based Morphing Axial Fan Blade: Functional Characterization and Fluid Dynamic Performance. , 2016, , .		1
38	Thermal Analysis for the Prediction of Grain Refinement: An Experimental Investigation on an AlSiMg Foundry Alloy. Materials Science Forum, 2018, 941, 1029-1034.	0.3	1
39	Metallurgical and Statistical Approaches to the Study of Cast Iron Street Furniture. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1127-1141.	1.1	0
40	Mechanical Properties and Structural Analysis of Coatings and Engineered Surfaces. Coatings, 2021, 11, 875.	1.2	0
41	Impact behaviour of dissimilar AA2024-T351/7075-T651 FSWed butt-joints: effects of Al ₂ O ₃ -SiC particles addition. Frattura Ed Integrita Strutturale, 2022, 16, 504-515.	0.5	0