

# Annalisa Fortini

## List of Publications by Year in descending order

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citations

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#	ARTICLE	IF	CITATIONS
1	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
2	Measurement approaches for the analysis of soil layer by microparticle adhesion. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 187, 110185.	2.5	8
3	Effect of Thermal Exposure Simulating Vapor Deposition on the Impact Behavior of Additively Manufactured AlSi10Mg Alloy. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 2859-2869.	1.2	4
4	On the Anisotropic Impact Behavior of an Additively Manufactured AlSi10Mg Alloy in Different Heat Treatment Conditions. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 6806-6818.	1.2	2
5	Impact behaviour of dissimilar AA2024-T351/7075-T651 FSWed butt-joints: effects of Al <sub>2</sub> O <sub>3</sub> -SiC particles addition. <i>Frattura Ed Integrita Strutturale</i> , 2022, 16, 504-515.	0.5	0
6	Effect of different heat-treatment routes on the impact properties of an additively manufactured AlSi10Mg alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140671.	2.6	34
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	Metallurgical and Statistical Approaches to the Study of Cast Iron Street Furniture. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 1127-1141.	1.1	0
9	Gold hard anodized (GHA) materials with antimicrobial surface properties: mechanical, tribological, and microbiological characterization. <i>Emergent Materials</i> , 2021, 4, 249-263.	3.2	6
10	The Effect of Co-Deposition of SiC Sub-Micron Particles and Heat Treatment on Wear Behaviour of Niâ€P Coatings. <i>Coatings</i> , 2021, 11, 180.	1.2	5
11	Microstructural and Erosive Wear Characteristics of a High Chromium Cast Iron. <i>Coatings</i> , 2021, 11, 490.	1.2	10
12	Dry Sliding Behavior of an Aluminum Alloy after Innovative Hard Anodizing Treatments. <i>Materials</i> , 2021, 14, 3281.	1.3	5
13	Tribological Behavior of a Rubber-Toughened Wood Polymer Composite. <i>Polymers</i> , 2021, 13, 2055.	2.0	3
14	Mechanical Properties and Structural Analysis of Coatings and Engineered Surfaces. <i>Coatings</i> , 2021, 11, 875.	1.2	0
15	Influence of Vacuum Heat Treatments on Microstructure and Mechanical Properties of M35 High Speed Steel. <i>Metals</i> , 2020, 10, 643.	1.0	12
16	On the design strategies for SMA-based morphing actuators: state of the art and common practices applied to a fascinating case study. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2020, 234, 2114-2130.	0.7	6
17	Conservation state of cast iron metalworks in European street furniture. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	8
18	Evaluation of the impact behaviour of AlSi10Mg alloy produced using laser additive manufacturing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 748, 38-51.	2.6	52

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19	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
20	Erosion behavior on a large-sized centrifugal fan. , 2019, , .		3
21	Comprehensive Evaluation of Modification Level Assessment in Sr-Modified Aluminium Alloys. International Journal of Metalcasting, 2018, 12, 697-711.	1.5	12
22	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
23	An experimentally-driven approach to model bending in a thermally activated SMA-based beam. Smart Materials and Structures, 2018, 27, 125004.	1.8	4
24	Failure analysis of worn valve train components of a four-cylinder diesel engine. Engineering Failure Analysis, 2018, 92, 528-538.	1.8	11
25	Room Temperature Mechanical Properties of A356 Alloy with Ni Additions from 0.5 Wt to 2 Wt %. Metals, 2018, 8, 224.	1.0	7
26	Combined effect of water uptake and temperature on wood polymer composites. Journal of Applied Polymer Science, 2018, 135, 46674.	1.3	31
27	Effects of microstructure and casting defects on the fatigue behavior of the high-pressure die-cast AlSi9Cu3(Fe) alloy. Procedia Structural Integrity, 2017, 7, 505-512.	0.3	23
28	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
29	A Shape Memory Alloy-Based Morphing Axial Fan Blade: Functional Characterization and Fluid Dynamic Performance. , 2016, , .		1
30	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
31	On the influence of Mn and Mg additions on tensile properties, microstructure and quality index of the A356 aluminum foundry alloy. Procedia Structural Integrity, 2016, 2, 2238-2245.	0.3	23
32	A Shape Memory Alloy-Based Morphing Axial Fan Bladeâ€™Part I: Blade Structure Design and Functional Characterization. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	12
33	A Shape Memory Alloy-Based Morphing Axial Fan Bladeâ€™Part II: Blade Shape and Computational Fluid Dynamics Analyses. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	9
34	A Shape Memory Alloy-Based Morphing Axial Fan Blade: Part II â€™ Blade Shape and CFD Analyses. , 2015, , .		6
35	A Shape Memory Alloy-Based Morphing Axial Fan Blade: Part I â€™ Blade Structure Design and Functional Characterization. , 2015, , .		1
36	A Shape Memory Alloy-based Morphing Axial Fan Blade: Functional Characterization and Perspectives. Energy Procedia, 2015, 82, 273-279.	1.8	11

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37	Morphing blades with embedded SMA strips: An experimental investigation. <i>Materials and Design</i> , 2015, 85, 785-795.	3.3	30
38	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
39	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
40	Using shape memory alloys for improving automotive fan blade performance: experimental and computational fluid dynamics analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2015, 229, 477-486.	0.8	6
41	TWSME of a NiTi strip in free bending conditions: experimental and theoretical approach. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 74-84.	0.5	5