

# Alessandro De Luca

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

164  
citations

1163117

8  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

97  
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage Detection in Flat Panels by Guided Waves Based Artificial Neural Network Trained through Finite Element Method. <i>Materials</i> , 2021, 14, 7602.	2.9	26
2	Numerical Investigation on Guided Waves Dispersion and Scattering Phenomena in Stiffened Panels. <i>Materials</i> , 2022, 15, 74.	2.9	22
3	FEM Simulation and Experimental Tests on the SMAW Welding of a Dissimilar T-Joint. <i>Metals</i> , 2021, 11, 1016.	2.3	18
4	Numerical simulation of LVI test onto composite plates. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	16
5	Probabilistic Analysis of Fatigue Behavior of Single Lap Riveted Joints. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3379.	2.5	15
6	Established Numerical Techniques for the Structural Analysis of a Regional Aircraft Landing Gear. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-21.	1.8	11
7	Finite Element Modeling Approaches, Experimentally Assessed, for the Simulation of Guided Wave Propagation in Composites. <i>Sustainability</i> , 2022, 14, 6924.	3.2	11
8	Effects of the Surface Finish on Thin Specimens Made by Electron Beam Melting Technology. <i>Macromolecular Symposia</i> , 2021, 396, 2000307.	0.7	10
9	Numerical-Experimental Assessment of a Hybrid FE-MB Model of an Aircraft Seat Sled Test. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-7.	0.9	7
10	Numerical evaluation of temperature fields and residual stresses in butt weld joints and comparison with experimental measurements. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 182-198.	3.4	7
11	Squeal Frequency of a Railway Disc Brake Evaluation by FE Analyses. <i>Advances in Acoustics and Vibration</i> , 2018, 2018, 1-10.	0.5	6
12	On the Prediction of Guided Wave Dispersion Curves in Plates for Health Monitoring Applications. <i>Macromolecular Symposia</i> , 2021, 396, 2000333.	0.7	6
13	Numerical investigation on the residual stresses in welded T-joints made of dissimilar materials. <i>Procedia Structural Integrity</i> , 2019, 24, 800-809.	0.8	3
14	Fatigue behavior of hybrid and bonded single lap joints made of composite material. <i>Procedia Structural Integrity</i> , 2022, 41, 631-637.	0.8	3
15	Simulation of Guided Waves in a CFRP Plate at a Specific Temperature. <i>Lecture Notes in Civil Engineering</i> , 2023, , 793-800.	0.4	2
16	Biocycle between Design and Additive Manufacturing. <i>Macromolecular Symposia</i> , 2021, 396, 2000313.	0.7	1