

Massimiliano De Agostinis

List of Publications by Year in descending order

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43
papers

1,009
citations

567281

15
h-index

434195

31
g-index

43
all docs

43
docs citations

43
times ranked

828
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental characterization and analytical modelling of the mechanical behaviour of fused deposition processed parts made of ABS-M30. <i>Computational Materials Science</i> , 2013, 79, 506-518.	3.0	281
2	Failure analysis of bolted joints: Effect of friction coefficients in torqueâ€“preloading relationship. <i>Engineering Failure Analysis</i> , 2011, 18, 364-373.	4.0	107
3	Influence of the build orientation on the fatigue strength of EOS maraging steel produced by additive metal machine. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2016, 39, 637-647.	3.4	71
4	Influence of tightening procedures and lubrication conditions on titanium screw joints for lightweight applications. <i>Tribology International</i> , 2012, 55, 68-76.	5.9	55
5	Tribological properties of bolts depending on different screw coatings and lubrications: An experimental study. <i>Tribology International</i> , 2017, 107, 199-205.	5.9	44
6	Rapid evaluation of notch stress intensity factors using the peak stress method: Comparison of commercial finite element codes for a range of mesh patterns. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 1044-1063.	3.4	41
7	Fatigue Response of As-Built DMLS Maraging Steel and Effects of Aging, Machining, and Peening Treatments. <i>Metals</i> , 2018, 8, 505.	2.3	36
8	Effects of build orientation and thickness of allowance on the fatigue behaviour of 15â€“5 PH stainless steel manufactured by DMLS. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 900-916.	3.4	33
9	Design and optimization of shaftâ€“hub hybrid joints for lightweight structures: Analytical definition of normalizing parameters. <i>International Journal of Mechanical Sciences</i> , 2012, 56, 77-85.	6.7	30
10	Recent improvements and design formulae applied to front motorbike suspensions. <i>Engineering Failure Analysis</i> , 2010, 17, 1173-1187.	4.0	26
11	Influence of the engagement ratio on the joint strength of press fitted and adhesively bonded specimens. <i>International Journal of Adhesion and Adhesives</i> , 2014, 53, 80-88.	2.9	25
12	Structural Analysis of an Articulated Urban Bus Chassis via FEM: a Methodology Applied to a Case Study. <i>Strojnski Vestnik/Journal of Mechanical Engineering</i> , 2011, 57, 799-809.	1.1	25
13	Sensitivity of direct metal laser sintering Maraging steel fatigue strength to build orientation and allowance for machining. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 374-386.	3.4	24
14	Design of hybrid steel-composite interference fitted and adhesively bonded connections. <i>International Journal of Adhesion and Adhesives</i> , 2012, 37, 19-25.	2.9	20
15	The influence of lubrication on the frictional characteristics of threaded joints for planetary gearboxes. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 2553-2563.	2.1	17
16	Fretting Fatigue in Mechanical Joints: A Literature Review. <i>Lubricants</i> , 2022, 10, 53.	2.9	17
17	Interference fit effect on improving fatigue life of a holed single plate. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 689-698.	3.4	16
18	Rapid evaluation of notch stress intensity factors using the peak stress method with 3D tetrahedral finite element models: Comparison of commercial codes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 1005-1034.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Influence of the engagement ratio on the shear strength of an epoxy adhesive by push-out tests on pin-and-collar joints: Part II: Campaign at different temperature levels. International Journal of Adhesion and Adhesives, 2016, 67, 76-85.	2.9	15
20	A Methodology for the Lightweight Design of Modern Transfer Machine Tools. Machines, 2018, 6, 2.	2.2	14
21	Influence of the engagement ratio on the shear strength of an epoxy adhesive by push-out tests on pin-and-collar joints: Part I: Campaign at room temperature. International Journal of Adhesion and Adhesives, 2016, 67, 69-75.	2.9	11
22	Analysis of the Influence of Fretting on the Fatigue Life of Interference Fitted Joints. , 2014, , .		10
23	A Practical Approach to Gear Design and Lubrication: A Review. Lubricants, 2020, 8, 84.	2.9	9
24	On Hirth Ring Couplings: Design Principles Including the Effect of Friction. Actuators, 2018, 7, 79.	2.3	8
25	Fatigue Life Characterisation of Interference Fitted Joints. , 2013, , .		7
26	An experimental study on the response of a threadlocker, involving different materials, screw dimensions and thread proportioning. International Journal of Adhesion and Adhesives, 2018, 83, 116-122.	2.9	7
27	Influence of the interference level and of the assembly process on the shear strength of loctite 648 anaerobic adhesive. Journal of Adhesion, 2020, 96, 90-112.	3.0	7
28	Threaded fasteners with applied medium or high strength threadlockers: effect of different tightening procedures on the tribological response. Journal of Adhesion, 2020, 96, 64-89.	3.0	6
29	Effects of aging temperature and humidity on the response of medium and high strength threadlockers. Journal of Adhesion, 0, , 1-18.	3.0	5
30	Fatigue response of additively manufactured Maraging Stainless Steel CX and effects of heat treatment and surface finishing. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 482-499.	3.4	5
31	Effect of the Engagement Ratio and of Temperature on the Shear Strength of Epoxy Adhesive Bonded Aluminum Alloy Pin-and-Collar Joints. Journal of Adhesion, 2018, 94, 932-950.	3.0	4
32	Re-design of a uniplanar, monolateral external fixator. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 446-457.	1.8	4
33	Tribological Properties of Connecting Rod High Strength Screws Improved by Surface Peening Treatments. Metals, 2020, 10, 344.	2.3	4
34	Coating effect on the fatigue strength of a free cutting steel. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 7513-7524.	2.1	3
35	A numerical and experimental approach to the design and failure analysis of a pinion shaft for wheel loaders. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 1493-1504.	2.1	2
36	Fatigue Life Improvement of Holed Plates Made of an Innovative Medium C Micro-Alloyed Steel by Local Plastic Deformation. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	2.2	1

#	ARTICLE	IF	CITATIONS
37	Numerical and Experimental Characterization of a Railroad Switch Machine. <i>Machines</i> , 2018, 6, 6.	2.2	1
38	Temperature response of LOCTITE 648 anaerobic adhesive and hoop channels to enhance its effectiveness under high interference. <i>Journal of Adhesion</i> , 0, , 1-25.	3.0	1
39	Influence of Heat and Surface Treatments on the Fatigue Response of DMLS Manufactured AlSi10mg. <i>Materials Science Forum</i> , 0, 1016, 1205-1210.	0.3	1
40	Experimentally validated structural finite element method analysis of a tibial intramedullary nail: Optimal choice of the contact settings. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 193-206.	1.8	0
41	Wear behavior of electrodeposited nickel coating on ZP5 zinc alloy. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 1291-1302.	1.1	0
42	Cylindrical cross section optimization. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 2426-2436.	2.1	0
43	DMLS Built Maraging Steel Fatigue Response Investigated for Different Build Orientations and Allowance for Machining. <i>Structural Integrity</i> , 2019, , 112-113.	1.4	0