

# 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	Fatigue response of additively manufactured Maraging Stainless Steel CX and effects of heat treatment and surface finishing. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 482-499.	3.4	5
2	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
3	Fretting Fatigue in Mechanical Joints: A Literature Review. <i>Lubricants</i> , 2022, 10, 53.	2.9	17
4	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
5	Influence of the interference level and of the assembly process on the shear strength of loctite 648 anaerobic adhesive. <i>Journal of Adhesion</i> , 2020, 96, 90-112.	3.0	7
6	A Practical Approach to Gear Design and Lubrication: A Review. <i>Lubricants</i> , 2020, 8, 84.	2.9	9
7	Threaded fasteners with applied medium or high strength threadlockers: effect of different tightening procedures on the tribological response. <i>Journal of Adhesion</i> , 2020, 96, 64-89.	3.0	6
8	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
9	Tribological Properties of Connecting Rod High Strength Screws Improved by Surface Peening Treatments. <i>Metals</i> , 2020, 10, 344.	2.3	4
10	Coating effect on the fatigue strength of a free cutting steel. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 7513-7524.	2.1	3
11	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
12	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
13	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
14	An experimental study on the response of a threadlocker, involving different materials, screw dimensions and thread proportioning. <i>International Journal of Adhesion and Adhesives</i> , 2018, 83, 116-122.	2.9	7
15	Effect of the Engagement Ratio and of Temperature on the Shear Strength of Epoxy Adhesive Bonded Aluminum Alloy Pin-and-Collar Joints. <i>Journal of Adhesion</i> , 2018, 94, 932-950.	3.0	4
16	A numerical and experimental approach to the design and failure analysis of a pinion shaft for wheel loaders. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 1493-1504.	2.1	2
17	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
18	Re-design of a uniplanar, monolateral external fixator. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 446-457.	1.8	4

#	ARTICLE	IF	CITATIONS
19	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
20	Numerical and Experimental Characterization of a Railroad Switch Machine. <i>Machines</i> , 2018, 6, 6.	2.2	1
21	On Hirth Ring Couplings: Design Principles Including the Effect of Friction. <i>Actuators</i> , 2018, 7, 79.	2.3	8
22	A Methodology for the Lightweight Design of Modern Transfer Machine Tools. <i>Machines</i> , 2018, 6, 2.	2.2	14
23	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
24	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
25	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
26	Fatigue Life Improvement of Holed Plates Made of an Innovative Medium C Micro-Alloyed Steel by Local Plastic Deformation. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2016, 138, .	2.2	1
27	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. <i>International Journal of Adhesion and Adhesives</i> , 2016, 67, 76-85.	2.9	15
28	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. <i>International Journal of Adhesion and Adhesives</i> , 2016, 67, 69-75.	2.9	11
29	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
30	Analysis of the Influence of Fretting on the Fatigue Life of Interference Fitted Joints. , 2014, , .		10
31	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
32	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
33	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
34	Fatigue Life Characterisation of Interference Fitted Joints. , 2013, , .		7
35	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
36	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

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37	Design and optimization of shaft-hub hybrid joints for lightweight structures: Analytical definition of normalizing parameters. International Journal of Mechanical Sciences, 2012, 56, 77-85.	6.7	30
38	Failure analysis of bolted joints: Effect of friction coefficients in torque-preloading relationship. Engineering Failure Analysis, 2011, 18, 364-373.	4.0	107
39	Structural Analysis of an Articulated Urban Bus Chassis via FEM: a Methodology Applied to a Case Study. Strojniski Vestnik/Journal of Mechanical Engineering, 2011, 57, 799-809.	1.1	25
40	Recent improvements and design formulae applied to front motorbike suspensions. Engineering Failure Analysis, 2010, 17, 1173-1187.	4.0	26
41	Effects of aging temperature and humidity on the response of medium and high strength threadlockers. Journal of Adhesion, 0, , 1-18.	3.0	5
42	Temperature response of LOCTITE 648 anaerobic adhesive and hoop channels to enhance its effectiveness under high interference. Journal of Adhesion, 0, , 1-25.	3.0	1
43	Influence of Heat and Surface Treatments on the Fatigue Response of DMLS Manufactured AlSi10Mg. Materials Science Forum, 0, 1016, 1205-1210.	0.3	1