Aurelian Vadean

List of Publications by Year
in descending order

15 papers	286 citations	1163117 8 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	264 citing authors

#	Article	IF	Citations
1	Finite element analysis and contact modelling considerations of interference fits for fretting fatigue strength calculations. Simulation Modelling Practice and Theory, 2009, 17, 1587-1602.	3.8	54
2	Tensile strength of open-hole, pin-loaded and multi-bolted single-lap joints in woven composite plates. Materials and Design, 2015, 88, 702-712.	7.0	51
3	Failure analysis of a 316L stainless steel femoral orthopedic implant. Case Studies in Engineering Failure Analysis, 2016, 5-6, 30-38.	1.2	43
4	Tensile behavior of hybrid multi-bolted/bonded joints in composite laminates. International Journal of Adhesion and Adhesives, 2019, 95, 102426.	2.9	35
5	Challenges of using topology optimization for the design of pressurized stiffened panels. Structural and Multidisciplinary Optimization, 2016, 53, 303-320.	3.5	27
6	Optimal design of interference fit assemblies subjected to fatigue loads. Structural and Multidisciplinary Optimization, 2013, 47, 441-451.	3.5	18
7	Image-based truss recognition for density-based topology optimization approach. Structural and Multidisciplinary Optimization, 2018, 58, 2697-2709.	3.5	16
8	Fretting fatigue strength reduction factor for interference fits. Simulation Modelling Practice and Theory, 2011, 19, 1811-1823.	3.8	15
9	Fatigue behavior of hybrid multi-bolted-bonded single-lap joints in woven composite plates. International Journal of Fatigue, 2022, 158, 106738.	5.7	11
10	Influence of the load modelling during gait on the stress distribution in a femoral implant. Multibody System Dynamics, 2018, 44, 93-105.	2.7	7
11	Improvement of scarf repair patch shape for composite aircraft structures. Journal of Adhesion, 2023, 99, 1044-1070.	3.0	3
12	Sequential approximate optimization of industrial hammer peening using finite element simulations. Structural and Multidisciplinary Optimization, 2017, 55, 767-778.	3.5	2
13	Evolutionary layout design synthesis of an autonomous greenhouse using product-related dependencies. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2021, 35, 49-64.	1.1	2
14	On generating stiffening layouts with density-based topology optimization considering buckling. CEAS Aeronautical Journal, 2021, 12, 863.	1.7	2
15	Rebuttal to comments by R. Dumas. Multibody System Dynamics, 2019, 47, 439-440.	2.7	0