

# Aurelian Vadean

## List of Publications by Year in descending order

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docs citations

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264  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of scarf repair patch shape for composite aircraft structures. Journal of Adhesion, 2023, 99, 1044-1070.	3.0	3
2	Fatigue behavior of hybrid multi-bolted-bonded single-lap joints in woven composite plates. International Journal of Fatigue, 2022, 158, 106738.	5.7	11
3	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
4	On generating stiffening layouts with density-based topology optimization considering buckling. CEAS Aeronautical Journal, 2021, 12, 863.	1.7	2
5	Tensile behavior of hybrid multi-bolted/bonded joints in composite laminates. International Journal of Adhesion and Adhesives, 2019, 95, 102426.	2.9	35
6	Rebuttal to comments by R. Dumas. Multibody System Dynamics, 2019, 47, 439-440.	2.7	0
7	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
8	Image-based truss recognition for density-based topology optimization approach. Structural and Multidisciplinary Optimization, 2018, 58, 2697-2709.	3.5	16
9	Sequential approximate optimization of industrial hammer peening using finite element simulations. Structural and Multidisciplinary Optimization, 2017, 55, 767-778.	3.5	2
10	Failure analysis of a 316L stainless steel femoral orthopedic implant. Case Studies in Engineering Failure Analysis, 2016, 5-6, 30-38.	1.2	43
11	Challenges of using topology optimization for the design of pressurized stiffened panels. Structural and Multidisciplinary Optimization, 2016, 53, 303-320.	3.5	27
12	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
13	Optimal design of interference fit assemblies subjected to fatigue loads. Structural and Multidisciplinary Optimization, 2013, 47, 441-451.	3.5	18
14	Fretting fatigue strength reduction factor for interference fits. Simulation Modelling Practice and Theory, 2011, 19, 1811-1823.	3.8	15
15	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