

# Konstantinos N Anyfantis

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

395  
citations

759233

12  
h-index

752698

20  
g-index

29  
all docs

29  
docs citations

29  
times ranked

329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Loading and fracture response of CFRP-to-steel adhesively bonded joints with thick adherents " Part I: Experiments. <i>Composite Structures</i> , 2013, 96, 850-857.	5.8	53
2	A novel traction-separation law for the prediction of the mixed mode response of ductile adhesive joints. <i>International Journal of Solids and Structures</i> , 2012, 49, 213-226.	2.7	45
3	Loading and fracture response of CFRP-to-steel adhesively bonded joints with thick adherents " Part II: Numerical simulation. <i>Composite Structures</i> , 2013, 96, 858-868.	5.8	34
4	Post Buckling Progressive Failure Analysis of Composite Laminated Stiffened Panels. <i>Applied Composite Materials</i> , 2012, 19, 219-236.	2.5	32
5	Finite element predictions of composite-to-metal bonded joints with ductile adhesive materials. <i>Composite Structures</i> , 2012, 94, 2632-2639.	5.8	32
6	Determination of the fracture process zone under Mode I fracture in glass fiber composites. <i>Journal of Composite Materials</i> , 2012, 46, 27-41.	2.4	20
7	Ultimate strength of stiffened panels subjected to non-uniform thrust. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2020, 12, 325-342.	2.3	18
8	Evaluating the influence of geometric distortions to the buckling capacity of stiffened panels. <i>Thin-Walled Structures</i> , 2019, 140, 450-465.	5.3	17
9	A 3D ductile constitutive mixed-mode model of cohesive elements for the finite element analysis of adhesive joints. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 1146-1178.	2.6	16
10	On the failure analysis of bondlines: Stress or energy based fracture criteria?. <i>Engineering Fracture Mechanics</i> , 2014, 126, 108-125.	4.3	16
11	Static strain-based identification of extensive damages in thin-walled structures. <i>Structural Health Monitoring</i> , 2022, 21, 2026-2047.	7.5	13
12	Fabrication, testing and analysis of steel/composite DLS adhesive joints. <i>Ships and Offshore Structures</i> , 2011, 6, 115-126.	1.9	12
13	An approach for the design of multi-material mechanical components. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 960-974.	2.4	10
14	An abstract approach toward the structural digital twin of ship hulls: A numerical study applied to a box girder geometry. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2021, 235, 718-736.	0.5	10
15	Design for Manufacturing of Multi-material Mechanical Parts: A Computational Based Approach. <i>Procedia CIRP</i> , 2017, 66, 22-26.	1.9	9
16	Fracture mechanics based assessment of manufacturing defects laying at the edge of CFRP-metal bondlines. <i>Production Engineering</i> , 2018, 12, 173-183.	2.3	8
17	Analysis of an adhesively bonded single lap joint subjected to eccentric loading. <i>International Journal of Adhesion and Adhesives</i> , 2013, 41, 41-49.	2.9	7
18	Characterizing and Modeling Brittle Bi-material Interfaces Subjected to Shear. <i>Applied Composite Materials</i> , 2014, 21, 905-919.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Preliminary design assessment of an alternative repair method for corroded shear panels in ship hull structures. <i>Ocean Engineering</i> , 2019, 188, 106323.	4.3	4
20	Construction of surrogate models for predicting the buckling strength of stiffened panels through DoE and RSM methods. <i>Engineering Computations</i> , 2022, 39, 1374-1406.	1.4	3
21	Reliability analysis of SHS compression members in shipbuilding: derivation of probabilistic buckling curves. <i>Ships and Offshore Structures</i> , 2023, 18, 338-348.	1.9	3
22	Buckling Strength Assessment of Composite Patch Repair Used for the Rehabilitation of Corroded Marine Plates. <i>Applied Mechanics</i> , 2021, 2, 482-500.	1.5	2
23	On the Modeling of Ship Stiffened Panels Subjected to Uniform Pressure Loads. <i>Applied Mechanics</i> , 2022, 3, 125-143.	1.5	2
24	Model-Based Structural Health Monitoring of Box Girders. <i>MATEC Web of Conferences</i> , 2021, 349, 03012.	0.2	1
25	Ultimate Compressive Strength of Eccentrically Loaded Stiffened Panels in Ship Structures: A Computational Study. , 2019, , .		0
26	On the Design of Composite Patch Repair for Strengthening of Marine Plates Subjected to Compressive Loads. <i>Modelling</i> , 2022, 3, 127-139.	1.4	0