

Zengqiang Cao

List of Publications by Year in descending order

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15
papers

329
citations

1163117

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1199594

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g-index

15
all docs

15
docs citations

15
times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel method to improve fatigue behaviors of holed structures based on electromagnetic force. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 6170-6179.	2.1	2
2	The effect of the reflected shock wave on the foam material. International Journal of Impact Engineering, 2021, 149, 103773.	5.0	12
3	Experimental investigation on bearing behavior and failure mechanism of double-lap thin-ply composite bolted joints. Composite Structures, 2021, 261, 113565.	5.8	25
4	A dynamic cold expansion method to improve fatigue performance of holed structures based on electromagnetic load. International Journal of Fatigue, 2021, 148, 106253.	5.7	15
5	Damage progression and failure of single-lap thin-ply laminated composite bolted joints under quasi-static loading. International Journal of Mechanical Sciences, 2020, 170, 105360.	6.7	45
6	Damage behavior investigation of CFRP/Ti bolted joint during interference fit bolt dynamic installation progress. Engineering Failure Analysis, 2020, 111, 104454.	4.0	28
7	Research on theoretical modeling and numerical simulation of viscoelastic-plastic bending neutral layer in T-welding stiffened panels-based aged stress relaxation forming. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 2881-2894.	2.1	0
8	Effect of Pre-Stretching on Microstructures and Mechanical Behaviors of Creep-Aged 7055 Al Alloy and Its Constitutive Modeling. Metals, 2019, 9, 584.	2.3	3
9	Fatigue behavior investigation on dissimilar aluminum alloy ring welded joints in a new type sandwich high-pressure shell. Materials Research Express, 2019, 6, 066534.	1.6	0
10	Numerical and experimental investigation of fitting tolerance effects on damage and failure of CFRP/Ti double-lap single-bolt joints. Aerospace Science and Technology, 2018, 78, 461-470.	4.8	58
11	Dynamic behavior of CFRP/Ti single-lap pinned joints under longitudinal electromagnetic dynamic loading. Composite Structures, 2018, 184, 362-371.	5.8	29
12	Fabrication and Mechanical Properties of Tungsten Inert Gas Welding Ring Welded Joint of 7A05-T6/5A06-O Dissimilar Aluminum Alloy. Materials, 2018, 11, 1156.	2.9	4
13	Mechanical Analysis of a Pin Interference-Fitted Sheet under Tensile Loading. Journal of Aerospace Engineering, 2016, 29, .	1.4	4
14	Interference-fit riveting technique in fiber composite laminates. Aerospace Science and Technology, 2006, 10, 327-330.	4.8	103
15	A new model for stress analysis in pin-Plate interference fit joints under tension loading. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110166.	1.3	1