

# Bin Ji

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3137121/publications.pdf>

Version: 2024-02-01

20  
papers

254  
citations

1163117

8  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and testing of composite hierarchical Isogrid stiffened cylinder. <i>Composites Science and Technology</i> , 2018, 157, 152-159.	7.8	54
2	Carbon fiber reinforced hierarchical orthogrid stiffened cylinder: Fabrication and testing. <i>Acta Astronautica</i> , 2018, 145, 268-274.	3.2	37
3	Mechanical response of pyramidal lattice truss core sandwich structures by additive manufacturing. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1298-1306.	2.6	33
4	Multi-failure analyses of additively manufactured lattice truss sandwich cylinders. <i>Composites Part B: Engineering</i> , 2021, 207, 108561.	12.0	26
5	Fabrication and Mechanical Testing of Ultralight Folded Lattice-Core Sandwich Cylinders. <i>Engineering</i> , 2020, 6, 196-204.	6.7	24
6	Geometric design and mechanical properties of foldcores based on the generalized Resch patterns. <i>Thin-Walled Structures</i> , 2020, 148, 106516.	5.3	13
7	A weak continuity condition of FEM for axisymmetric couple stress theory and an 18-DOF triangular axisymmetric element. <i>Finite Elements in Analysis and Design</i> , 2010, 46, 632-644.	3.2	11
8	Design and simulation of an innovative cylinder fabricated by selective laser melting. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 133-142.	5.3	11
9	Failure modes of lattice sandwich plate by additive-manufacturing and its imperfection sensitivity. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 430-447.	3.4	9
10	Design and mechanical performances of a novel functionally graded sheet-based lattice structure. <i>Additive Manufacturing</i> , 2022, 52, 102676.	3.0	8
11	Theoretical Analysis and Experimental Investigation on Buckling of FASTMast Deployable Structures. <i>International Journal of Structural Stability and Dynamics</i> , 2015, 15, 1450075.	2.4	5
12	In-situ experimental investigation and prediction of fatigue crack growth for aluminum alloys under single spike-overloads. <i>Engineering Fracture Mechanics</i> , 2022, 260, 108195.	4.3	5
13	Quasi-static mechanical properties of composite foldcores based on the BCH patterns. <i>Thin-Walled Structures</i> , 2022, 171, 108776.	5.3	4
14	Measurement of length-scale and solution of cantilever beam in couple stress elasto-plasticity. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 381-387.	3.4	3
15	A numerical study of the dynamic properties of Miura folded metamaterials. <i>Aerospace Systems</i> , 2019, 2, 125-135.	1.4	3
16	Microstructure related failure mechanism of selective laser melted GH4169 with interior fatigue cracking. <i>Materials Letters</i> , 2021, 308, 131284.	2.6	3
17	Quasi-static mechanical properties of novel generalized Resch-pattern composite foldcores. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 1008-1025.	2.1	2
18	An alternative three-node triangular composite shell element in terms of Reddy-type higher-order theory. <i>Thin-Walled Structures</i> , 2022, 170, 108568.	5.3	2

#	ARTICLE	IF	CITATIONS
19	INTERLAMINAR SCALE EFFECT OF MULTILAYER COMPOSITE MICROBEAMS BASED ON A NEW MODIFIED COUPLE-STRESS THEORY AND THE HUâ€“WASHIZU VARIATIONAL THEOREM. International Journal for Multiscale Computational Engineering, 2018, 16, 209-229.	1.2	1
20	Measuring material length parameter with a new solution of microbend beam in couple stress elasto-plasticity. Structural Engineering and Mechanics, 2009, 33, 257-260.	1.0	0