

# Bing Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

547  
citations

687363

13  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Embedding artificial neural networks into twin cohesive zone models for composites fatigue delamination prediction under various stress ratios and mode mixities. <i>International Journal of Solids and Structures</i> , 2022, 236-237, 111311.	2.7	2
2	Sensing delamination in composites reinforced by ferromagnetic Z-pins via electromagnetic induction. <i>Composites Science and Technology</i> , 2022, 217, 109113.	7.8	3
3	Flexural properties of electrothermal deicing composite laminates: Experimental and numerical study. <i>Thin-Walled Structures</i> , 2022, 170, 108527.	5.3	4
4	Effects of ferromagnetic & carbon-fibre Z-Pins on the magnetic properties of composites. <i>Composites Science and Technology</i> , 2021, 207, 108749.	7.8	6
5	Effect of saw-tooth ply drops on the mechanical performance of tapered composite laminates. <i>Composite Structures</i> , 2021, 272, 114197.	5.8	3
6	Composites fatigue delamination prediction using double load envelopes and twin cohesive models. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 129, 105711.	7.6	14
7	An experimental and numerical investigation into damage mechanisms in tapered laminates under tensile loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 133, 105862.	7.6	19
8	R-curve behaviour of the mixed-mode I/II delamination in carbon/epoxy laminates with unidirectional and multidirectional interfaces. <i>Composite Structures</i> , 2019, 223, 110949.	5.8	54
9	Stretchable Piezoelectric Sensing Systems for Self-Powered and Wireless Health Monitoring. <i>Advanced Materials Technologies</i> , 2019, 4, 1900100.	5.8	96
10	Vibration isolation design for periodically stiffened shells by the wave finite element method. <i>Journal of Sound and Vibration</i> , 2018, 419, 90-102.	3.9	23
11	Delamination migration in multidirectional composite laminates under mode I quasi-static and fatigue loading. <i>Composite Structures</i> , 2018, 189, 160-176.	5.8	54
12	An improved delamination fatigue cohesive interface model for complex three-dimensional multi-interface cases. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 633-646.	7.6	26
13	Integrated Lightweight Composites and Structures with Multifunctional Properties for Engineering Application. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-2.	1.8	0
14	Joining of C <sub>f</sub> /SiC Ceramic Matrix Composites: A Review. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-15.	1.8	10
15	Kirigami stretchable strain sensors with enhanced piezoelectricity induced by topological electrodes. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	58
16	Experimental study on delamination migration in multidirectional laminates under mode II static and fatigue loading, with comparison to mode I. <i>Composite Structures</i> , 2018, 201, 683-698.	5.8	42
17	An integrated numerical model for investigating guided waves in impact-damaged composite laminates. <i>Composite Structures</i> , 2017, 176, 945-960.	5.8	24
18	On the delamination self-sensing function of Z-pinned composite laminates. <i>Composites Science and Technology</i> , 2016, 128, 138-146.	7.8	21

#	ARTICLE	IF	CITATIONS
19	An experimental investigation into multi-functional Z-pinned composite laminates. <i>Materials and Design</i> , 2016, 108, 679-688.	7.0	30
20	Micro-mechanical finite element analysis of Z-pins under mixed-mode loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 78, 424-435.	7.6	58