# Bing Zhang

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Stretchable Piezoelectric Sensing Systems for Selfâ€Powered and Wireless Health Monitoring. Advanced Materials Technologies, 2019, 4, 1900100. | 5.8 | 96 |
| 2 | Micro-mechanical finite element analysis of Z-pins under mixed-mode loading. Composites Part A: Applied Science and Manufacturing, 2015, 78, 424-435. | 7.6 | 58 |
| 3 | Kirigami stretchable strain sensors with enhanced piezoelectricity induced by topological electrodes. Applied Physics Letters, 2018, 112, . | 3.3 | 58 |
| 4 | Delamination migration in multidirectional composite laminates under mode I quasi-static and fatigue loading. Composite Structures, 2018, 189, 160-176. | 5.8 | 54 |
| 5 | R-curve behaviour of the mixed-mode I/II delamination in carbon/epoxy laminates with unidirectional and multidirectional interfaces. Composite Structures, 2019, 223, 110949. | 5.8 | 54 |
| 6 | Experimental study on delamination migration in multidirectional laminates under mode II static and fatigue loading, with comparison to mode I. Composite Structures, 2018, 201, 683-698. | 5.8 | 42 |
| 7 | An experimental investigation into multi-functional Z-pinned composite laminates. Materials and Design, 2016, 108, 679-688. | 7.0 | 30 |
| 8 | An improved delamination fatigue cohesive interface model for complex three-dimensional multi-interface cases. Composites Part A: Applied Science and Manufacturing, 2018, 107, 633-646. | 7.6 | 26 |
| 9 | An integrated numerical model for investigating guided waves in impact-damaged composite laminates. Composite Structures, 2017, 176, 945-960. | 5.8 | 24 |
| 10 | Vibration isolation design for periodically stiffened shells by the wave finite element method. Journal of Sound and Vibration, 2018, 419, 90-102. | 3.9 | 23 |
| 11 | On the delamination self-sensing function of Z-pinned composite laminates. Composites Science and Technology, 2016, 128, 138-146. | 7.8 | 21 |
| 12 | An experimental and numerical investigation into damage mechanisms in tapered laminates under tensile loading. Composites Part A: Applied Science and Manufacturing, 2020, 133, 105862. | 7.6 | 19 |
| 13 | Composites fatigue delamination prediction using double load envelopes and twin cohesive models. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105711. | 7.6 | 14 |
| 14 | Joining of C<sub>f</sub>/SiC Ceramic Matrix Composites: A Review. Advances in Materials Science and Engineering, 2018, 2018, 1-15. | 1.8 | 10 |
| 15 | Effects of ferromagnetic & carbon-fibre Z-Pins on the magnetic properties of composites. Composites Science and Technology, 2021, 207, 108749. | 7.8 | 6 |
| 16 | Flexural properties of electrothermal deicing composite laminates: Experimental and numerical study. Thin-Walled Structures, 2022, 170, 108527. | 5.3 | 4 |
| 17 | Effect of saw-tooth ply drops on the mechanical performance of tapered composite laminates. Composite Structures, 2021, 272, 114197. | 5.8 | 3 |
| 18 | Sensing delamination in composites reinforced by ferromagnetic Z-pins via electromagnetic induction. Composites Science and Technology, 2022, 217, 109113. | 7.8 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Embedding artificial neural networks into twin cohesive zone models for composites fatigue delamination prediction under various stress ratios and mode mixities. International Journal of Solids and Structures, 2022, 236-237, 111311. | 2.7 | 2 |
| 20 | Integrated Lightweight Composites and Structures with Multifunctional Properties for Engineering Application. Advances in Materials Science and Engineering, 2018, 2018, 1-2. | 1.8 | 0 |