

# Guohua Zhu

## List of Publications by Year in descending order

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26  
papers

1,655  
citations

404762

18  
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621450

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docs citations

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times ranked

981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crashworthiness analysis and design optimization of square aluminum/CFRP hybrid structures under quasi-static axial loading. <i>Structural and Multidisciplinary Optimization</i> , 2024, 67, .	3.6	0
2	Low-velocity impact response and damage mechanism of cosine function cell-based lattice core sandwich panels. <i>Thin-Walled Structures</i> , 2024, 205, 112499.	5.4	0
3	On crushing behavior of square aluminum/CFRP hybrid structures subjected to quasi-static loading. <i>Thin-Walled Structures</i> , 2023, 184, 110486.	5.4	16
4	Lightweight hybrid materials and structures for energy absorption: A state-of-the-art review and outlook. <i>Thin-Walled Structures</i> , 2022, 172, 108760.	5.4	173
5	Structural design of multimaterial columns accounting for multiple loads. <i>International Journal of Mechanical Sciences</i> , 2022, 227, 107427.	6.9	11
6	Tensile and flexural behavior of metal/CFRP hybrid laminated plates. <i>Polymer Composites</i> , 2021, 42, 2882-2897.	4.6	13
7	On energy-absorbing mechanisms and structural crashworthiness of laterally crushed thin-walled structures filled with aluminum foam and CFRP skeleton. <i>Thin-Walled Structures</i> , 2021, 160, 107390.	5.4	57
8	Quasi-static axial compressive properties and energy absorption of star-triangular auxetic honeycomb. <i>Composite Structures</i> , 2021, 267, 113850.	5.9	49
9	In-plane compression behaviors of the auxetic star honeycomb: Experimental and numerical simulation. <i>Aerospace Science and Technology</i> , 2021, 115, 106797.	4.9	63
10	Bending response and energy absorption of sandwich beams with novel auxetic honeycomb core. <i>Engineering Structures</i> , 2021, 247, 113204.	5.4	76
11	Flexural performances of fiber face-sheets/corrugated core sandwich composite structures reinforced by horizontal stiffeners. <i>International Journal of Mechanical Sciences</i> , 2020, 168, 105307.	6.9	38
12	Energy-absorbing mechanisms and crashworthiness design of CFRP multi-cell structures. <i>Composite Structures</i> , 2020, 233, 111631.	5.9	76
13	On energy-absorbing mechanisms of metal/CFRP hybrid composite columns. <i>Polymer Composites</i> , 2020, 41, 2466-2490.	4.6	28
14	Comparative study on metal/CFRP hybrid structures under static and dynamic loading. <i>International Journal of Impact Engineering</i> , 2020, 141, 103509.	5.0	118
15	A novel star auxetic honeycomb with enhanced in-plane crushing strength. <i>Thin-Walled Structures</i> , 2020, 149, 106623.	5.4	137
16	Crashworthiness Analysis and Design of Metal/CFRP Hybrid Structures Under Lateral Loading. <i>IEEE Access</i> , 2019, 7, 64558-64570.	4.4	23
17	Crashworthiness analysis and design of composite tapered tubes under multiple load cases. <i>Composite Structures</i> , 2019, 222, 110920.	5.9	101
18	Crashworthy and Performance-cost Characteristics of Aluminum-CFRP Hybrid Tubes under Quasi-static Axial Loading. <i>Fibers and Polymers</i> , 2019, 20, 384-397.	2.1	17

#	ARTICLE	IF	CITATIONS
19	Modeling for CFRP structures subjected to quasi-static crushing. Composite Structures, 2018, 184, 41-55.	5.9	145
20	Energy absorption of metal, composite and metal/composite hybrid structures under oblique crushing loading. International Journal of Mechanical Sciences, 2018, 135, 458-483.	6.9	201
21	Experimental and numerical investigation into axial compressive behaviour of thin-walled structures filled with foams and composite skeleton. International Journal of Mechanical Sciences, 2017, 122, 104-119.	6.9	56
22	On crushing characteristics of different configurations of metal-composites hybrid tubes. Composite Structures, 2017, 175, 58-69.	5.9	132
23	Design optimisation of composite bumper beam with variable cross-sections for automotive vehicle. International Journal of Crashworthiness, 2017, 22, 365-376.	1.8	36
24	T-S Fuzzy Model Based $H$ $\infty$ Control for 7-DoF Automobile Electrohydraulic Active Suspension System. Journal of Control Science and Engineering, 2017, 2017, 1-14.	1.1	0
25	On design of graded honeycomb filler and tubal wall thickness for multiple load cases. Thin-Walled Structures, 2016, 109, 377-389.	5.4	82
26	Analysis of Lightweight Composite Body Structure for Electrical Vehicle Using the Multiscale Approach. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2016, 52, 145.	0.5	7