

Wei Huang

List of Publications by Year in descending order

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44
papers

1,095
citations

394421

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docs citations

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times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic responses and failure mechanism of composite double-arrow auxetic structure under impact loading. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 2593-2609.	2.6	7
2	The indentation responses of composite Y-frame cores sandwich structure under various temperatures. <i>Polymer Composites</i> , 2022, 43, 533-542.	4.6	3
3	Three-point bending behaviors of the foam-filled CFRP X-core sandwich panel: Experimental investigation and analytical modelling. <i>Composite Structures</i> , 2022, 284, 115206.	5.8	64
4	Investigation on the dynamic behavior of composite gradient double-arrow auxetic structure under local impact load. <i>Polymer Composites</i> , 2022, 43, 3068-3084.	4.6	8
5	Ballistic impact responses and failure mechanism of composite double-arrow auxetic structure. <i>Thin-Walled Structures</i> , 2022, 174, 109087.	5.3	67
6	Dynamic response of multilayer curved aluminum honeycomb sandwich beams under low-velocity impact. <i>Thin-Walled Structures</i> , 2022, 177, 109446.	5.3	17
7	Anomalous dynamic response and failure of sandwich structures subjected to underwater impulsive loads. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 2566-2585.	3.5	4
8	Fabrication and mechanical characterization of CFRP X-core sandwich panels. <i>Thin-Walled Structures</i> , 2021, 158, 107144.	5.3	27
9	The three-point bending responses of carbon fiber composite sandwich beams with Y-frame cores at high and low temperatures. <i>Thin-Walled Structures</i> , 2021, 162, 107595.	5.3	11
10	Investigation on the shear behaviors of carbon fiber composite sandwich panels with the X-core. <i>Marine Structures</i> , 2021, 77, 102897.	3.8	12
11	The effects of temperature on compressive responses and failure behaviors of composite Y-frame cores sandwich structure. <i>Polymer Composites</i> , 2021, 42, 6116-6126.	4.6	1
12	Underwater impulsive resistance of the foam reinforced composite lattice sandwich structure. <i>Thin-Walled Structures</i> , 2021, 166, 108120.	5.3	24
13	The impact resistance of composite Y-shaped cores sandwich structure. <i>Thin-Walled Structures</i> , 2021, 169, 108389.	5.3	17
14	The edgewise compressive behavior and failure mechanism of the composite Y-frame core sandwich column. <i>Polymer Testing</i> , 2020, 81, 106188.	4.8	14
15	Dynamic fracture testing of polymethyl-methacrylate (PMMA) single-edge notched beam. <i>Polymer Testing</i> , 2020, 91, 106833.	4.8	11
16	Dynamic failure of ceramic particle reinforced foam-filled composite lattice core. <i>Composites Science and Technology</i> , 2020, 193, 108143.	7.8	21
17	Compressive response of composite ceramic particle-reinforced polyurethane foam. <i>Polymer Testing</i> , 2020, 87, 106514.	4.8	22
18	Moisture absorption characteristics and mechanical degradation of composite lattice truss core sandwich panel in a hygrothermal environment. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 127, 105647.	7.6	18

#	ARTICLE	IF	CITATIONS
19	Bending response and failure mechanism of composite sandwich panel with Y-frame core. <i>Thin-Walled Structures</i> , 2019, 145, 106387.	5.3	16
20	Analytical model of the dynamic response of clamped metallic sandwich beam subjected to underwater impulsive loading. <i>Marine Structures</i> , 2019, 63, 333-350.	3.8	16
21	Experimental investigation on trajectory stability of high-speed water entry projectiles. <i>Ocean Engineering</i> , 2019, 175, 16-24.	4.3	68
22	Impulsive response of composite sandwich structure with tetrahedral truss core. <i>Composites Science and Technology</i> , 2019, 176, 17-28.	7.8	49
23	Experimental investigation on dynamic failure of carbon/epoxy laminates under underwater impulsive loading. <i>Marine Structures</i> , 2018, 59, 285-300.	3.8	19
24	Investigation on manufacturing and mechanical behavior of all-composite sandwich structure with Y-shaped cores. <i>Composites Science and Technology</i> , 2018, 159, 87-102.	7.8	132
25	Dynamic response of circular composite laminates subjected to underwater impulsive loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 109, 63-74.	7.6	24
26	Temperature effects on the compressive properties and failure mechanisms of composite sandwich panel with Y-shaped cores. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 114, 72-85.	7.6	20
27	The effect of graphene on the yarn pull-out force and ballistic performance of Kevlar fabrics impregnated with shear thickening fluids. <i>Smart Materials and Structures</i> , 2018, 27, 075048.	3.5	47
28	Experimental investigation on underwater trajectory deviation of high-speed projectile with different nose shape. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
29	Dynamic response of aluminum corrugated sandwich subjected to underwater impulsive loading: Experiment and numerical modeling. <i>International Journal of Impact Engineering</i> , 2017, 109, 78-91.	5.0	38
30	Experimental study on dynamic mechanical behaviors of polycarbonate. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
31	Dynamic response of clamped corrugated sandwich plates subjected to underwater impulsive loads. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
32	Dynamic response and failure of sandwich plates with PVC foam core subjected to impulsive loading. <i>International Journal of Impact Engineering</i> , 2017, 109, 121-130.	5.0	43
33	Experimental investigation on ballistic stability of high-speed projectile in sand. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
34	Characterization of Fiber Composites at Lower Strain Rates. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 211-217.	0.5	0
35	Experimental and Numerical Investigation of the Dynamic Behavior of Clamped Thin Panel Subjected to Underwater Impulsive Loading. <i>Latin American Journal of Solids and Structures</i> , 2017, 14, 978-999.	1.0	3
36	Dynamic response and failure of PVC foam core metallic sandwich subjected to underwater impulsive loading. <i>Composites Part B: Engineering</i> , 2016, 97, 226-238.	12.0	50

#	ARTICLE	IF	CITATIONS
37	Dynamic failure of clamped metallic circular plates subjected to underwater impulsive loads. International Journal of Impact Engineering, 2016, 94, 96-108.	5.0	27
38	Experimental investigation of normal and oblique impacts on CFRPs by high velocity steel sphere. Composites Part B: Engineering, 2016, 99, 483-493.	12.0	62
39	Dynamic failure of honeycomb-core sandwich structures subjected to underwater impulsive loads. European Journal of Mechanics, A/Solids, 2016, 60, 39-51.	3.7	42
40	Study of static and dynamic behavior of TiB ₂ /B ₄ C composite. Materials and Design, 2016, 92, 814-822.	7.0	38
41	A new approach for Hugoniot equation of state of polycarbonate. Measurement: Journal of the International Measurement Confederation, 2015, 68, 246-256.	5.0	7
42	An Experimental Investigation of Water-Filled Tank Subjected to Horizontal High Speed Impact. Experimental Mechanics, 2015, 55, 1123-1138.	2.0	25
43	Effect of strength and ductility on deformation and fracture of three kinds of aluminum alloys during Taylor tests. International Journal of Impact Engineering, 2014, 73, 75-90.	5.0	16
44	Experimental and numerical study of water-filled vessel impacted by flat projectiles. Journal of Physics: Conference Series, 2014, 500, 112054.	0.4	1