

Wei Huang

List of Publications by Year in descending order

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44
papers

1,095
citations

394421

19
h-index

414414

32
g-index

45
all docs

45
docs citations

45
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Experimental investigation on trajectory stability of high-speed water entry projectiles. <i>Ocean Engineering</i> , 2019, 175, 16-24.	4.3	68
3	Ballistic impact responses and failure mechanism of composite double-arrow auxetic structure. <i>Thin-Walled Structures</i> , 2022, 174, 109087.	5.3	67
4	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
5	Experimental investigation of normal and oblique impacts on CFRPs by high velocity steel sphere. <i>Composites Part B: Engineering</i> , 2016, 99, 483-493.	12.0	62
6	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
7	Impulsive response of composite sandwich structure with tetrahedral truss core. <i>Composites Science and Technology</i> , 2019, 176, 17-28.	7.8	49
8	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
9	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
10	Dynamic failure of honeycomb-core sandwich structures subjected to underwater impulsive loads. <i>European Journal of Mechanics, A/Solids</i> , 2016, 60, 39-51.	3.7	42
11	Study of static and dynamic behavior of TiB ₂ /B ₄ C composite. <i>Materials and Design</i> , 2016, 92, 814-822.	7.0	38
12	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
13	Dynamic failure of clamped metallic circular plates subjected to underwater impulsive loads. <i>International Journal of Impact Engineering</i> , 2016, 94, 96-108.	5.0	27
14	Fabrication and mechanical characterization of CFRP X-core sandwich panels. <i>Thin-Walled Structures</i> , 2021, 158, 107144.	5.3	27
15	An Experimental Investigation of Water-Filled Tank Subjected to Horizontal High Speed Impact. <i>Experimental Mechanics</i> , 2015, 55, 1123-1138.	2.0	25
16	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
17	Underwater impulsive resistance of the foam reinforced composite lattice sandwich structure. <i>Thin-Walled Structures</i> , 2021, 166, 108120.	5.3	24
18	Compressive response of composite ceramic particle-reinforced polyurethane foam. <i>Polymer Testing</i> , 2020, 87, 106514.	4.8	22

#	ARTICLE	IF	CITATIONS
19	Dynamic failure of ceramic particle reinforced foam-filled composite lattice core. <i>Composites Science and Technology</i> , 2020, 193, 108143.	7.8	21
20	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
21	Experimental investigation on dynamic failure of carbon/epoxy laminates under underwater impulsive loading. <i>Marine Structures</i> , 2018, 59, 285-300.	3.8	19
22	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
23	The impact resistance of composite Y-shaped cores sandwich structure. <i>Thin-Walled Structures</i> , 2021, 169, 108389.	5.3	17
24	Dynamic response of multilayer curved aluminum honeycomb sandwich beams under low-velocity impact. <i>Thin-Walled Structures</i> , 2022, 177, 109446.	5.3	17
25	Effect of strength and ductility on deformation and fracture of three kinds of aluminum alloys during Taylor tests. <i>International Journal of Impact Engineering</i> , 2014, 73, 75-90.	5.0	16
26	Bending response and failure mechanism of composite sandwich panel with Y-frame core. <i>Thin-Walled Structures</i> , 2019, 145, 106387.	5.3	16
27	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
28	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
29	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
30	Dynamic fracture testing of polymethyl-methacrylate (PMMA) single-edge notched beam. <i>Polymer Testing</i> , 2020, 91, 106833.	4.8	11
31	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
32	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
33	A new approach for Hugoniot equation of state of polycarbonate. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 68, 246-256.	5.0	7
34	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
35	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
36	Experimental investigation on underwater trajectory deviation of high-speed projectile with different nose shape. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3

#	ARTICLE	IF	CITATIONS
37	Experimental and Numerical Investigation of the Dynamic Behavior of Clamped Thin Panel Subjected to Underwater Impulsive Loading. Latin American Journal of Solids and Structures, 2017, 14, 978-999.	1.0	3
38	The indentation responses of composite Yâ€type cores sandwich structure under various temperatures. Polymer Composites, 2022, 43, 533-542.	4.6	3
39	Experimental and numerical study of water-filled vessel impacted by flat projectiles. Journal of Physics: Conference Series, 2014, 500, 112054.	0.4	1
40	Dynamic response of clamped corrugated sandwich plates subjected to underwater impulsive loads. AIP Conference Proceedings, 2017, , .	0.4	1
41	The effects of temperature on compressive responses and failure behaviors of composite Yâ€frame cores sandwich structure. Polymer Composites, 2021, 42, 6116-6126.	4.6	1
42	Experimental study on dynamic mechanical behaviors of polycarbonate. AIP Conference Proceedings, 2017, , .	0.4	0
43	Experimental investigation on ballistic stability of high-speed projectile in sand. AIP Conference Proceedings, 2017, , .	0.4	0
44	Characterization of Fiber Composites at Lower Strain Rates. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 211-217.	0.5	0