

# Wentao He

## List of Publications by Year in descending order

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28  
papers

1,083  
citations

623734

14  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the low-velocity impact behaviour of non-symmetric FMLs—experimental and numerical methods. <i>International Journal of Crashworthiness</i> , 2022, 27, 128-146.	1.9	12
2	A CEL study of dynamic slamming response and failure mechanism on corrugated core composite-metal sandwich structures. <i>Ships and Offshore Structures</i> , 2022, 17, 1252-1275.	1.9	2
3	Tensile mechanical behavior and failure mechanisms of fiber metal laminates under various temperature environments. <i>Composite Structures</i> , 2022, 284, 115142.	5.8	14
4	Numerical Investigation of Dynamic Response and Failure Mechanisms for Composite Lattice Sandwich Structure under Different Slamming Loads. <i>Applied Composite Materials</i> , 2021, 28, 1477-1509.	2.5	9
5	Numerical and experimental investigation on the oblique successive impact behavior and accumulated damage characteristics of fiber metal laminates. <i>Thin-Walled Structures</i> , 2021, 166, 108033.	5.3	19
6	On impact behavior of fiber metal laminate (FML) structures: A state-of-the-art review. <i>Thin-Walled Structures</i> , 2021, 167, 108026.	5.3	78
7	Coupled Eulerian-Lagrangian (CEL) characterization of slamming response and failure mechanism on corrugated sandwich structures. <i>Applied Ocean Research</i> , 2021, 116, 102862.	4.1	1
8	Effect of core materials on the low-velocity impact behaviour of trapezoidal corrugated sandwich panels. <i>International Journal of Crashworthiness</i> , 2020, 25, 505-516.	1.9	8
9	Effect of single tensile overload on fatigue crack growth behavior based on plastically dissipated energy and critical distance theory. <i>Engineering Fracture Mechanics</i> , 2020, 223, 106744.	4.3	25
10	Probabilistic residual ultimate strength assessment of cracked unstiffened and stiffened plates under uniaxial compression. <i>Ocean Engineering</i> , 2020, 216, 108197.	4.3	5
11	Mechanical response and critical failure mechanism characterization of notched carbon fiber reinforced polymer laminate subjected to tensile loading. <i>Polymer Composites</i> , 2020, 41, 4221-4242.	4.6	9
12	Characterizing and predicting the tensile mechanical behavior and failure mechanisms of notched FMLs—Combined with DIC and numerical techniques. <i>Composite Structures</i> , 2020, 254, 112893.	5.8	17
13	Experimental and numerical research on foam filled re-entrant cellular structure with negative Poisson's ratio. <i>Thin-Walled Structures</i> , 2020, 153, 106679.	5.3	62
14	Effect of elliptical notches on mechanical response and progressive damage of FMLs under tensile loading. <i>Thin-Walled Structures</i> , 2020, 154, 106866.	5.3	15
15	Tensile mechanical behavior and failure mechanisms of multihole fiber metal laminates—Experimental characterization and numerical prediction. <i>Journal of Reinforced Plastics and Composites</i> , 2020, 39, 499-519.	3.1	14
16	Investigation on impact behavior of FMLs under multiple impacts with the same total energy: Experimental characterization and numerical simulation. <i>Composite Structures</i> , 2019, 226, 111218.	5.8	65
17	Residual flexural properties of CFRP sandwich structures with aluminum honeycomb cores after low-velocity impact. <i>International Journal of Mechanical Sciences</i> , 2019, 161-162, 105026.	6.7	51
18	Influence of impactor shape on low-velocity impact behavior of fiber metal laminates combined numerical and experimental approaches. <i>Thin-Walled Structures</i> , 2019, 145, 106399.	5.3	54

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19	Effect of structural parameters on low-velocity impact behavior of aluminum honeycomb sandwich structures with CFRP face sheets. <i>Thin-Walled Structures</i> , 2019, 137, 411-432.	5.3	121
20	Low-velocity impact response and post-impact flexural behaviour of composite sandwich structures with corrugated cores. <i>Composite Structures</i> , 2018, 189, 37-53.	5.8	106
21	Effects of geometric configurations of corrugated cores on the local impact and planar compression of sandwich panels. <i>Composites Part B: Engineering</i> , 2018, 152, 324-335.	12.0	77
22	Study on Vibrational Power Flow Propagation Characteristics in a Laminated Composite Cylindrical Shell Filled with Fluid. <i>Shock and Vibration</i> , 2018, 2018, 1-19.	0.6	2
23	Low-velocity impact behavior of X-Frame core sandwich structures – Experimental and numerical investigation. <i>Thin-Walled Structures</i> , 2018, 131, 718-735.	5.3	43
24	The effect of impactor shape on the low-velocity impact behavior of hybrid corrugated core sandwich structures. <i>Composites Part B: Engineering</i> , 2017, 111, 315-331.	12.0	108
25	Experimental and numerical research on the low velocity impact behavior of hybrid corrugated core sandwich structures. <i>Composite Structures</i> , 2016, 158, 30-43.	5.8	82
26	Probabilistic life assessment on fatigue crack growth in mixed-mode by coupling of Kriging model and finite element analysis. <i>Engineering Fracture Mechanics</i> , 2015, 139, 56-77.	4.3	37
27	Numerical study on fatigue crack growth at a web-stiffener of ship structural details by an objected-oriented approach in conjunction with ABAQUS. <i>Marine Structures</i> , 2014, 35, 45-69.	3.8	47
28	Dynamic response and failure mechanism characterization of composite-metal sandwich structures under slamming impact utilizing CEL method. <i>Polymer Composites</i> , 0, , .	4.6	0