Wentao He

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6668806/publications.pdf

Version: 2024-02-01

28	1,083	623734	526287
papers	citations	14 h-index	27 g-index

28	28	28	578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of structural parameters on low-velocity impact behavior of aluminum honeycomb sandwich structures with CFRP face sheets. Thin-Walled Structures, 2019, 137, 411-432.	5.3	121
2	The effect of impactor shape on the low-velocity impact behavior of hybrid corrugated core sandwich structures. Composites Part B: Engineering, 2017, 111, 315-331.	12.0	108
3	Low-velocity impact response and post-impact flexural behaviour of composite sandwich structures with corrugated cores. Composite Structures, 2018, 189, 37-53.	5.8	106
4	Experimental and numerical research on the low velocity impact behavior of hybrid corrugated core sandwich structures. Composite Structures, 2016, 158, 30-43.	5.8	82
5	On impact behavior of fiber metal laminate (FML) structures: A state-of-the-art review. Thin-Walled Structures, 2021, 167, 108026.	5.3	78
6	Effects of geometric configurations of corrugated cores on the local impact and planar compression of sandwich panels. Composites Part B: Engineering, 2018, 152, 324-335.	12.0	77
7	Investigation on impact behavior of FMLs under multiple impacts with the same total energy: Experimental characterization and numerical simulation. Composite Structures, 2019, 226, 111218.	5.8	65
8	Experimental and numerical research on foam filled re-entrant cellular structure with negative Poisson's ratio. Thin-Walled Structures, 2020, 153, 106679.	5.3	62
9	Influence of impactor shape on low-velocity impact behavior of fiber metal laminates combined numerical and experimental approaches. Thin-Walled Structures, 2019, 145, 106399.	5.3	54
10	Residual flexural properties of CFRP sandwich structures with aluminum honeycomb cores after low-velocity impact. International Journal of Mechanical Sciences, 2019, 161-162, 105026.	6.7	51
11	Numerical study on fatigue crack growth at a web-stiffener of ship structural details by an objected-oriented approach in conjunction with ABAQUS. Marine Structures, 2014, 35, 45-69.	3.8	47
12	Low-velocity impact behavior of X-Frame core sandwich structures â€“ Experimental and numerical investigation. Thin-Walled Structures, 2018, 131, 718-735.	5.3	43
13	Probabilistic life assessment on fatigue crack growth in mixed-mode by coupling of Kriging model and finite element analysis. Engineering Fracture Mechanics, 2015, 139, 56-77.	4.3	37
14	Effect of single tensile overload on fatigue crack growth behavior based on plastically dissipated energy and critical distance theory. Engineering Fracture Mechanics, 2020, 223, 106744.	4.3	25
15	Numerical and experimental investigation on the oblique successive impact behavior and accumulated damage characteristics of fiber metal laminates. Thin-Walled Structures, 2021, 166, 108033.	5.3	19
16	Characterizing and predicting the tensile mechanical behavior and failure mechanisms of notched FMLsâ€”Combined with DIC and numerical techniques. Composite Structures, 2020, 254, 112893.	5.8	17
17	Effect of elliptical notches on mechanical response and progressive damage of FMLs under tensile loading. Thin-Walled Structures, 2020, 154, 106866.	5.3	15
18	Tensile mechanical behavior and failure mechanisms of multihole fiber metal laminatesâ€”Experimental characterization and numerical prediction. Journal of Reinforced Plastics and Composites, 2020, 39, 499-519.	3.1	14

#	Article	IF	Citations
19	Tensile mechanical behavior and failure mechanisms of fiber metal laminates under various temperature environments. Composite Structures, 2022, 284, 115142.	5.8	14
20	Investigation on the low-velocity impact behaviour of non-symmetric FMLsâ€"experimental and numerical methods. International Journal of Crashworthiness, 2022, 27, 128-146.	1.9	12
21	Mechanical response and critical failure mechanism characterization of notched carbon fiber reinforced polymer laminate subjected to tensile loading. Polymer Composites, 2020, 41, 4221-4242.	4.6	9
22	Numerical Investigation of Dynamic Response and Failure Mechanisms for Composite Lattice Sandwich Structure under Different Slamming Loads. Applied Composite Materials, 2021, 28, 1477-1509.	2.5	9
23	Effect of core materials on the low-velocity impact behaviour of trapezoidal corrugated sandwich panels. International Journal of Crashworthiness, 2020, 25, 505-516.	1.9	8
24	Probabilistic residual ultimate strength assessment of cracked unstiffened and stiffened plates under uniaxial compression. Ocean Engineering, 2020, 216, 108197.	4.3	5
25	Study on Vibrational Power Flow Propagation Characteristics in a Laminated Composite Cylindrical Shell Filled with Fluid. Shock and Vibration, 2018, 2018, 1-19.	0.6	2
26	A CEL study of dynamic slamming response and failure mechanism on corrugated core composite-metal sandwich structures. Ships and Offshore Structures, 2022, 17, 1252-1275.	1.9	2
27	Coupled Eulerian-Lagrangian (CEL) characterization of slamming response and failure mechanism on corrugated sandwich structures. Applied Ocean Research, 2021, 116, 102862.	4.1	1
28	Dynamic response and failure mechanism characterization of compositeâ€metal sandwich structures under slamming impact utilizing CEL method. Polymer Composites, 0, , .	4.6	0