

Wei Chen

List of Publications by Year in descending order

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27
papers

259
citations

1040056

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docs citations

27
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental investigation on high velocity impact behavior of hygrothermal aged CFRP composites. <i>Composite Structures</i> , 2018, 204, 645-657.	5.8	56
2	A hierarchical multiscale strategy for analyzing the impact response of 3D braided composites. <i>International Journal of Mechanical Sciences</i> , 2021, 193, 106167.	6.7	37
3	Study on Titanium Alloy TC4 Ballistic Penetration Resistance Part I: Ballistic Impact Tests. <i>Chinese Journal of Aeronautics</i> , 2012, 25, 388-395.	5.3	31
4	Experimental Study on Dynamic Compression Mechanical Properties of Aluminum Honeycomb Structures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1188.	2.5	15
5	Dynamic compressive behavior of four-step three-dimensional braided composites along three directions. <i>International Journal of Impact Engineering</i> , 2019, 134, 103366.	5.0	14
6	Dynamic Behavior and Damage Mechanism of 3D Braided Composite Fan Blade under Bird Impact. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-16.	0.9	13
7	Interlaminar shear property and high-velocity impact resistance of CFRP laminates after cyclic hygrothermal aging. <i>International Journal of Crashworthiness</i> , 2020, 25, 307-320.	1.9	13
8	Influence of pre-tension on ballistic impact performance of multi-layer Kevlar 49 woven fabrics for gas turbine engine containment systems. <i>Chinese Journal of Aeronautics</i> , 2018, 31, 1273-1286.	5.3	12
9	Chemical, mechanical and morphological investigation on the hygrothermal aging mechanism of a toughened epoxy. <i>Polymer Testing</i> , 2022, 110, 107548.	4.8	12
10	Investigation of three-dimensional braided composites subjected to steel projectile impact: Automatically modelling mesoscale finite element model. <i>Composite Structures</i> , 2019, 209, 317-327.	5.8	10
11	A simplified delamination modelling methodology for triaxial braided composites with macro-scale solid finite-element models. <i>International Journal of Crashworthiness</i> , 2019, 24, 54-70.	1.9	7
12	Longitudinal Compressive Property of Three-Dimensional Four-Step Braided Composites after Cyclic Hygrothermal Aging under High Strain Rates. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2061.	2.5	6
13	Influence of Heat Treatment on Cyclic Response of Nickel-Based Superalloy Inconel 718 up to Very-High Cycle Regime. <i>Materials</i> , 2020, 13, 5358.	2.9	5
14	Experimental study on the impact load of internally supported gelatin bird projectiles. <i>Engineering Failure Analysis</i> , 2021, 124, 105336.	4.0	5
15	Modified Subcell Model Using Solid Elements for Triaxial Braided Composite under Ballistic Impact. <i>Journal of Aerospace Engineering</i> , 2016, 29, .	1.4	4
16	The Influences of Projectile Material and Environmental Temperature on the High Velocity Impact Behavior of Triaxial Braided Composites. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3466.	2.5	4
17	A probability prediction model of erosion rate for Ti-6Al-4V on high-speed sand erosion. <i>Powder Technology</i> , 2020, 364, 373-381.	4.2	3
18	Coupling Vibration Analysis of Turbine Shared Support Rotor-Bearing System with Squeeze Film Dampers. <i>International Journal of Aerospace Engineering</i> , 2022, 2022, 1-22.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Experimental study of quasi-static and dynamic tensile behavior of epoxy resin under cyclic hygrothermal aging. <i>Polymer Degradation and Stability</i> , 2022, 200, 109940.	5.8	3
20	Response of Aeroengine with Fusing Design Suffering FBO. <i>International Journal of Aerospace Engineering</i> , 2019, 2019, 1-19.	0.9	2
21	Prediction of High-Cycle Fatigue Performance of 1Cr11Ni2W2MoV Stainless Steel Plate after Foreign Object Damage. <i>International Journal of Aerospace Engineering</i> , 2020, 2020, 1-13.	0.9	2
22	Transient Analysis and Safety Assessment of Turbofan Engine Structures during Bird Ingestion. <i>International Journal of Aerospace Engineering</i> , 2020, 2020, 1-17.	0.9	1
23	Experimental Investigation on the Performance of an Aviation Piston Engine Fueled with Bio-Jet Fuel Prepared via Thermochemical Conversion of Triglyceride. <i>Energies</i> , 2022, 15, 3246.	3.1	1
24	Ultrasonic Fatigue Device and Behavior of High-Temperature Superalloy Inconel 718 with Self-Heating Phenomenon. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8761.	2.5	0
25	Numerical and Experimental Investigation of the Effect of Cavitation on Dual Clearance Squeeze Film Damper. <i>Shock and Vibration</i> , 2021, 2021, 1-17.	0.6	0
26	Transient Response of a Simulated Aeroengine with a Fusing Structure during a Fan-Blade Out Event. <i>International Journal of Aerospace Engineering</i> , 2021, 2021, 1-14.	0.9	0
27	Numerical and Experimental Verification of Spherically Layered Ice Model for Analysis on Hail Impacting Aviation Structures. <i>International Journal of Aerospace Engineering</i> , 2022, 2022, 1-21.	0.9	0