

# Wei Chen

## List of Publications by Year in descending order

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27  
papers

259  
citations

1040056

9  
h-index

940533

16  
g-index

27  
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27  
docs citations

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times ranked

173  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Chemical, mechanical and morphological investigation on the hygrothermal aging mechanism of a toughened epoxy. <i>Polymer Testing</i> , 2022, 110, 107548.	4.8	12
3	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
4	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
5	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
6	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
7	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
8	Experimental study on the impact load of internally supported gelatin bird projectiles. <i>Engineering Failure Analysis</i> , 2021, 124, 105336.	4.0	5
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Experimental Study on Dynamic Compression Mechanical Properties of Aluminum Honeycomb Structures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1188.	2.5	15
18	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

#	ARTICLE	IF	CITATIONS
19	Dynamic compressive behavior of four-step three-dimensional braided composites along three directions. International Journal of Impact Engineering, 2019, 134, 103366.	5.0	14
20	Response of Aeroengine with Fusing Design Suffering FBO. International Journal of Aerospace Engineering, 2019, 2019, 1-19.	0.9	2
21	Investigation of three-dimensional braided composites subjected to steel projectile impact: Automatically modelling mesoscale finite element model. Composite Structures, 2019, 209, 317-327.	5.8	10
22	A simplified delamination modelling methodology for triaxial braided composites with macro-scale solid finite-element models. International Journal of Crashworthiness, 2019, 24, 54-70.	1.9	7
23	Dynamic Behavior and Damage Mechanism of 3D Braided Composite Fan Blade under Bird Impact. International Journal of Aerospace Engineering, 2018, 2018, 1-16.	0.9	13
24	Influence of pre-tension on ballistic impact performance of multi-layer Kevlar 49 woven fabrics for gas turbine engine containment systems. Chinese Journal of Aeronautics, 2018, 31, 1273-1286.	5.3	12
25	An experimental investigation on high velocity impact behavior of hygrothermal aged CFRP composites. Composite Structures, 2018, 204, 645-657.	5.8	56
26	Modified Subcell Model Using Solid Elements for Triaxial Braided Composite under Ballistic Impact. Journal of Aerospace Engineering, 2016, 29, .	1.4	4
27	Study on Titanium Alloy TC4 Ballistic Penetration Resistance Part I: Ballistic Impact Tests. Chinese Journal of Aeronautics, 2012, 25, 388-395.	5.3	31