

Chao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

486
citations

1040056

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1199594

12
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13
all docs

13
docs citations

13
times ranked

316
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element analysis of 3D braided composites based on three unit-cells models. <i>Composite Structures</i> , 2013, 98, 130-142.	5.8	136
2	A novel interface constitutive model for prediction of stiffness and strength in 3D braided composites. <i>Composite Structures</i> , 2017, 163, 32-43.	5.8	90
3	Finite element modeling of damage development in cross-ply composite laminates subjected to low velocity impact. <i>Composite Structures</i> , 2017, 173, 219-227.	5.8	68
4	Comparison of periodic mesh and free mesh on the mechanical properties prediction of 3D braided composites. <i>Composite Structures</i> , 2017, 159, 667-676.	5.8	48
5	Finite element simulation of damage in fiber metal laminates under high velocity impact by projectiles with different shapes. <i>Composite Structures</i> , 2019, 214, 73-82.	5.8	46
6	Meso-Scale Finite Element Analysis of Mechanical Behavior of 3D Braided Composites Subjected to Biaxial Tension Loadings. <i>Applied Composite Materials</i> , 2019, 26, 139-157.	2.5	29
7	Finite element analysis of the damage mechanism of 3D braided composites under high-velocity impact. <i>Journal of Materials Science</i> , 2017, 52, 4658-4674.	3.7	27
8	Ballistic performance and damage simulation of fiber metal laminates under high-velocity oblique impact. <i>International Journal of Damage Mechanics</i> , 2020, 29, 1011-1034.	4.2	19
9	Finite Element Simulation of Tensile Preload Effects on High Velocity Impact Behavior of Fiber Metal Laminates. <i>Applied Composite Materials</i> , 2020, 27, 251-268.	2.5	12
10	Investigation on off-axial tensile properties of 3D braided composites considering void defects. <i>Journal of Industrial Textiles</i> , 2022, 51, 5389S-5408S.	2.4	5
11	Hail ice impact simulation and damage response analysis in composite laminates. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 498-509.	2.6	3
12	A computational approach with surface-based cohesive contact for meso-scale interface damage simulation in 3D braided composites. <i>Journal of Industrial Textiles</i> , 2020, , 152808372098017.	2.4	2
13	Morphology, nano-mechanical properties and bending fracture stress of hind leg material of <i>Cybister japonicus</i> beetle. <i>Materials Research Express</i> , 2021, 8, 075401.	1.6	1