

Hongjian Zhang

List of Publications by Year in descending order

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papers

405
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times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal orientation effect on fretting fatigue induced geometrically necessary dislocation distribution in Ni-based single-crystal superalloys. <i>Acta Materialia</i> , 2019, 179, 129-141.	7.9	57
2	A modified Zerilli–Armstrong model for alloy IC10 over a wide range of temperatures and strain rates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 527, 328-333.	5.6	56
3	Behaviors of IC10 alloy over a wide range of strain rates and temperatures: Experiments and modeling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 504, 99-103.	5.6	54
4	Study on the strength prediction model of Comeld composites joints. <i>Composites Part B: Engineering</i> , 2012, 43, 3310-3317.	12.0	28
5	Finite Element Analysis of 2.5D Woven Composites, Part I: Microstructure and 3D Finite Element Model. <i>Applied Composite Materials</i> , 2016, 23, 29-44.	2.5	26
6	Finite Element Analysis of 2.5D Woven Composites, Part II: Damage Behavior Simulation and Strength Prediction. <i>Applied Composite Materials</i> , 2016, 23, 45-69.	2.5	22
7	Bending/tensile tests and simulations of the 2.5D woven T-shaped hooking composite structure. <i>Composite Structures</i> , 2018, 206, 155-163.	5.8	17
8	Representative cell modeling strategy of 2.5D woven composites considering the randomness of weft cross-section for mechanical properties prediction. <i>Engineering Fracture Mechanics</i> , 2020, 237, 107255.	4.3	12
9	Experimental Study on the Reliability of PBGA Electronic Packaging under Shock Loading. <i>Electronics (Switzerland)</i> , 2019, 8, 279.	3.1	11
10	Multiaxial fatigue life prediction of composite materials. <i>Chinese Journal of Aeronautics</i> , 2017, 30, 1012-1020.	5.3	10
11	Subsurface crack formation and propagation of fretting fatigue in Ni-based single-crystal superalloys. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2520-2532.	3.4	10
12	A physical-based constitutive model considering the motion of dislocation for Ni3Al-base superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 772, 138631.	5.6	10
13	Investigation on the bending and tensile performances of the T-shaped hook-connected structure made of laminated composites and TC4 alloy. <i>Polymer Testing</i> , 2019, 80, 106083.	4.8	8
14	Effect of Laser Shock Peening on Fretting Fatigue Life of TC11 Titanium Alloy. <i>Materials</i> , 2020, 13, 4711.	2.9	8
15	In-situ SEM and EBSD study on fretting fatigue crack initiation of a directionally solidified Ni-based superalloy. <i>International Journal of Fatigue</i> , 2022, 161, 106908.	5.7	8
16	Yield anisotropy and tension/compression asymmetry of a Ni3Al based intermetallic alloy. <i>Chinese Journal of Aeronautics</i> , 2013, 26, 801-806.	5.3	7
17	Study on bending and tensile properties of a T-shaped hook-connected structure made of two-and-a-half-dimensional woven composites and laminated composites. <i>Textile Research Journal</i> , 2019, 89, 4046-4059.	2.2	6
18	Experiments and simulations on the strength of open-hole composite laminates at different temperatures. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1997-2008.	2.6	6

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19	Investigation of mechanical properties for 2.5D woven composites with different weft-layer-numbers by a triple-cell model system. <i>Journal of Industrial Textiles</i> , 2022, 51, 5243S-5285S.	2.4	6
20	Influence of notch shape on the quasi-static tensile behavior of 2.5D woven composite structure. <i>Thin-Walled Structures</i> , 2021, 165, 107944.	5.3	6
21	Warp-loaded mechanical performance of 3D orthogonal layer-to-layer woven composite perforated structures with different apertures. <i>Composite Structures</i> , 2021, 278, 114720.	5.8	5
22	Study on low-velocity impact and residual strength at high temperatures of composite laminates. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 1106-1123.	1.3	4
23	Mechanical Properties Prediction of 2.5D Woven Composites via Voxel-mesh Full-cell Model. <i>Fibers and Polymers</i> , 2021, 22, 1899-1914.	2.1	4
24	An experimental study on constitutive equations of alloy IC10 over a wide range of temperatures and strain rates. <i>Materials & Design</i> , 2012, 36, 130-135.	5.1	3
25	Study on a statistical unit cell model for Ni3Al-base superalloy. <i>Mechanics of Materials</i> , 2016, 98, 1-10.	3.2	3
26	Study on the Effect of Laser Quenching on Fretting Fatigue Life. <i>Metals</i> , 2019, 9, 566.	2.3	3
27	A united tension/compression asymmetry micro-mechanical model for nickel-base single-crystal alloys. <i>Journal of Iron and Steel Research International</i> , 2019, 26, 621-630.	2.8	3
28	A user-friendly yield criterion for metals exhibiting tension-compression asymmetry. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 2602-2609.	5.3	3
29	Mechanical Behaviors on T-shaped Hook-connected Structure Made of 2.5D Woven Composites and TC4 Alloy. <i>Fibers and Polymers</i> , 2020, 21, 407-415.	2.1	3
30	A Full-Process Numerical Analyzing Method of Low-Velocity Impact Damage and Residual Strength for Stitched Composites. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2698.	2.5	2
31	Tensile and flexural failure behaviors of bolted T-joint consisting of T300/BMP316 composite laminates and TC4 alloy. <i>Composite Structures</i> , 2022, 297, 115943.	5.8	2
32	Recrystallization behaviors of alloy IC10 at elevated temperature: experiments and modeling. <i>Journal of Materials Science</i> , 2011, 46, 1076-1082.	3.7	1
33	Study on the Stiffness of Comeld Composites Joints. <i>Ceramic Engineering and Science Proceedings</i> , 2012, , 261-271.	0.1	1