

Jiangtao Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/478120/publications.pdf>

Version: 2024-02-01

19
papers

244
citations

1307594

7
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

190
citing authors

#	ARTICLE	IF	CITATIONS
1	Residual stresses created during curing of a polymer matrix composite using a viscoelastic model. <i>Composites Science and Technology</i> , 2016, 130, 20-27.	7.8	55
2	The dynamic properties of SiCp/Al composites fabricated by spark plasma sintering with powders prepared by mechanical alloying process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 527, 218-224.	5.6	48
3	A magnetic field- and frequency-dependent dynamic shear modulus model for isotropic silicone rubber-based magnetorheological elastomers. <i>Composites Science and Technology</i> , 2021, 204, 108637.	7.8	23
4	Low-velocity impact on square sandwich plates with fibre-metal laminate face-sheets: Analytical and numerical research. <i>Composite Structures</i> , 2021, 259, 113461.	5.8	20
5	Effect of fabrication process on the microstructure and dynamic compressive properties of SiCp/Al composites fabricated by spark plasma sintering. <i>Materials Letters</i> , 2008, 62, 443-446.	2.6	19
6	Effects of liner properties on the stress and strain along liner/propellant interface in solid rocket motor. <i>Aerospace Science and Technology</i> , 2016, 58, 594-600.	4.8	16
7	Magnetorheological behavior of isotropic silicone rubber-based magnetorheological elastomers under coupled static&dynamic compressive loads. <i>Smart Materials and Structures</i> , 2022, 31, 095010.	3.5	8
8	Numerical analysis on the effects of particle configuration on the damage and mechanical properties of particle reinforced MMCs under dynamic compression. <i>Computational Materials Science</i> , 2010, 50, 496-502.	3.0	7
9	Numerical simulation on the interface debonding in solid propellant under large deformation by a cohesive zone model. <i>International Journal of Materials and Product Technology</i> , 2011, 42, 98.	0.2	7
10	Numerical analysis on the flow&compaction behavior and the effect of interface permeability in thick composite plates during autoclave processing. <i>Journal of Materials Science</i> , 2018, 53, 14412-14422.	3.7	7
11	A Magneto-Hyperelastic Model for Silicone Rubber-Based Isotropic Magnetorheological Elastomer under Quasi-Static Compressive Loading. <i>Polymers</i> , 2020, 12, 2435.	4.5	7
12	Strain-rate sensitivity and fracture mode of V&Cr&Ti alloy. <i>Scripta Materialia</i> , 2010, 62, 524-527.	5.2	6
13	Experimental Investigation on the Effect of Graphene Oxide Additive on the Steady-State and Dynamic Shear Properties of PDMS-Based Magnetorheological Elastomer. <i>Polymers</i> , 2021, 13, 1777.	4.5	5
14	Experimental and modeling investigations on the quasi-static compression properties of isotropic silicone rubber-based magnetorheological elastomers under the magnetic fields ranging from zero to saturation field. <i>Smart Materials and Structures</i> , 2022, 31, 015029.	3.5	5
15	Effects of graphene oxide on microstructure and mechanical properties of isotropic polydimethylsiloxane-based magnetorheological elastomers. <i>Rheologica Acta</i> , 2022, 61, 215-228.	2.4	4
16	Tensile fracture mechanism and constitutive models of V-5Cr-5Ti alloy under different strain rate deformation at room temperature. <i>Materials Letters</i> , 2016, 183, 40-43.	2.6	3
17	Numerical simulation on the impact resistance of functionally graded materials. <i>International Journal of Materials and Product Technology</i> , 2011, 42, 87.	0.2	2
18	Numerical Analysis on Process-Induced Residual Stress in Thick Semi-Cylindrical Composite Shell Using a State-Dependent Viscoelastic Model. <i>Applied Composite Materials</i> , 2019, 26, 519-532.	2.5	2

#	ARTICLE	IF	CITATIONS
19	BEM Simulation for Steady-state Temperature Distributions of Particulate Composites with Imperfect Interfaces. , 2010, , .		0