

Qinghua Meng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1172395/publications.pdf>

Version: 2024-02-01

18
papers

507
citations

840119

11
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	A multiscale crack-bridging model of cellulose nanopaper. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 103, 22-39.	2.3	75
2	Mechanics of Strong and Tough Cellulose Nanopaper. <i>Applied Mechanics Reviews</i> , 2019, 71, .	4.5	74
3	Prediction of interfacial strength and failure mechanisms in particle-reinforced metal-matrix composites based on a micromechanical model. <i>Engineering Fracture Mechanics</i> , 2015, 142, 170-183.	2.0	71
4	Creep damage models and their applications for crack growth analysis in pipes: A review. <i>Engineering Fracture Mechanics</i> , 2019, 205, 547-576.	2.0	61
5	Effects of nanofiber orientations on the fracture toughness of cellulose nanopaper. <i>Engineering Fracture Mechanics</i> , 2018, 194, 350-361.	2.0	47
6	Theoretical analysis of interfacial debonding and fiber pull-out in fiber-reinforced polymer-matrix composites. <i>Archive of Applied Mechanics</i> , 2015, 85, 745-759.	1.2	29
7	Extended finite element method for power-law creep crack growth. <i>Engineering Fracture Mechanics</i> , 2014, 127, 148-160.	2.0	23
8	An improved crack-bridging model for rigid particle-polymer composites. <i>Engineering Fracture Mechanics</i> , 2019, 211, 291-302.	2.0	23
9	Three-dimensional crack bridging model of biological materials with twisted Bouligand structures. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 159, 104729.	2.3	18
10	Interfacial crack propagation between a rigid fiber and a hyperelastic elastomer: Experiments and modeling. <i>International Journal of Solids and Structures</i> , 2020, 188-189, 141-154.	1.3	14
11	A microstructure-based constitutive model of anisotropic cellulose nanopaper with aligned nanofibers. <i>Extreme Mechanics Letters</i> , 2021, 43, 101158.	2.0	12
12	Theoretical model of fiber debonding and pull-out in unidirectional hybrid-fiber-reinforced brittle-matrix composites. <i>Journal of Composite Materials</i> , 2015, 49, 1739-1751.	1.2	11
13	Micromechanical Modeling of Impact Damage Mechanisms in Unidirectional Composite Laminates. <i>Applied Composite Materials</i> , 2016, 23, 1099-1116.	1.3	11
14	Asymptotic solutions of mode I steady growth crack in materials under creep conditions. <i>Acta Mechanica Solida Sinica</i> , 2015, 28, 578-591.	1.0	9
15	Multiscale fracture mechanics model for the dorsal closure in <i>Drosophila</i> embryogenesis. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 127, 154-166.	2.3	9
16	Modeling analysis of fiber hybridization in hybrid glass/carbon composites under high-velocity impact. <i>Polymer Composites</i> , 2017, 38, 2536-2543.	2.3	8
17	Numerical simulation of loading edge cracks by edge impact using the extended finite element method. <i>Acta Mechanica Solida Sinica</i> , 2015, 28, 156-167.	1.0	7
18	A chemo-mechanical fracture model for the welding interface of vitrimers. <i>Mechanics of Materials</i> , 2020, 148, 103516.	1.7	5