

Ruifan Meng

List of Publications by Year in descending order

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9
papers

217
citations

1478280
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1588896
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g-index

9
all docs

9
docs citations

9
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	A variable order fractional constitutive model of the viscoelastic behavior of polymers. <i>International Journal of Non-Linear Mechanics</i> , 2019, 113, 171-177.	1.4	57
2	Variable-order fractional description of compression deformation of amorphous glassy polymers. <i>Computational Mechanics</i> , 2019, 64, 163-171.	2.2	57
3	Fractional description of time-dependent mechanical property evolution in materials with strain softening behavior. <i>Applied Mathematical Modelling</i> , 2016, 40, 398-406.	2.2	55
4	Creep model for natural fiber polymer composites (NFPCs) based on variable order fractional derivatives: Simulation and parameter study. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48796.	1.3	21
5	Application of Fractional Calculus to Modeling the Non-Linear Behaviors of Ferroelectric Polymer Composites: Viscoelasticity and Dielectricity. <i>Membranes</i> , 2021, 11, 409.	1.4	11
6	Predictive model for stress relaxation behavior of glassy polymers based on variable-order fractional calculus. <i>Polymers for Advanced Technologies</i> , 2021, 32, 703-713.	1.6	7
7	Variable-order fractional constitutive model for the time-dependent mechanical behavior of polymers across the glass transition. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	6
8	Analyzing effects of temperature gradient and scan rate on metal additive manufacturing microstructure by using phase field-finite element method. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2022, 30, 034003.	0.8	3
9	Predicting the creep behavior of concrete at high temperature using the variable-order fractional model. <i>Engineering Computations</i> , 2022, ahead-of-print, .	0.7	0