Zhaoqiang Song

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2040811/publications.pdf

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16	532	840776 11	940533 16
papers	citations	h-index	g-index

16	16	16	612
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Needle-induced-fracking in soft solids with crack blunting. Extreme Mechanics Letters, 2022, 52, 101673.	4.1	5
2	Mechanics of vitrimer with hybrid networks. Mechanics of Materials, 2021, 153, 103687.	3.2	25
3	Cavitation dynamics in a vitrimer. Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 767-772.	3.4	5
4	Nonsteady fracture of transient networks: The case of vitrimer. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
5	Force-dependent bond dissociation explains the rate-dependent fracture of vitrimers. Soft Matter, 2021, 17, 6669-6674.	2.7	10
6	Recyclable and Self-Repairable Fluid-Driven Liquid Crystal Elastomer Actuator. ACS Applied Materials & Interfaces, 2020, 12, 35464-35474.	8.0	80
7	Toughening of poly(lactide acid) with low crystallinity through biaxial poststretching. Journal of Polymer Science, 2020, 58, 3488-3495.	3.8	5
8	Discontinuous fibrous Bouligand architecture enabling formidable fracture resistance with crack orientation insensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15465-15472.	7.1	96
9	3D Printing of a Biocompatible Double Network Elastomer with Digital Control of Mechanical Properties. Advanced Functional Materials, 2020, 30, 1910391.	14.9	30
10	Surface mechanics of a stretched elastomer layer bonded on a rigid substrate. International Journal of Solids and Structures, 2020, 200-201, 1-12.	2.7	5
11	Research progress of ceramic matrix composite parts based on additive manufacturing technology. Virtual and Physical Prototyping, 2019, 14, 333-348.	10.4	48
12	Fracture modes and hybrid toughening mechanisms in oscillated/twisted plywood structure. Acta Biomaterialia, 2019, 91, 284-293.	8.3	40
13	Bioinspired Design of Vascular Artificial Muscle. Advanced Materials Technologies, 2019, 4, 1800244.	5.8	86
14	Analysis of optimal crosslink density and platelet size insensitivity in graphene-based artificial nacres. Nanoscale, 2018, 10, 556-565.	5.6	13
15	Spiral interface: A reinforcing mechanism for laminated composite materials learned from nature. Journal of the Mechanics and Physics of Solids, 2017, 109, 252-263.	4.8	16
16	Optimization design of strong and tough nacreous nanocomposites through tuning characteristic lengths. Journal of the Mechanics and Physics of Solids, 2015, 81, 41-57.	4.8	54