

Mufeng Liu

List of Publications by Year in descending order

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times ranked

889
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformation of and Interfacial Stress Transfer in Ti ₃ C ₂ MXene/Polymer Composites. ACS Applied Materials & Interfaces, 2022, 14, 10681-10690.	8.0	19
2	A Review on Printing of Responsive Smart and 4D Structures Using 2D Materials. Advanced Materials Technologies, 2022, 7, .	5.8	11
3	Controlling and Monitoring Crack Propagation in Monolayer Graphene Single Crystals. Advanced Functional Materials, 2022, 32, .	14.9	4
4	High-performance fluoroelastomer-graphene nanocomposites for advanced sealing applications. Composites Science and Technology, 2021, 202, 108592.	7.8	18
5	Deformation and tearing of graphene-reinforced elastomer nanocomposites. Composites Communications, 2021, 25, 100764.	6.3	5
6	Effect of graphene nanoplatelets on the mechanical and gas barrier properties of woven carbon fibre/epoxy composites. Journal of Materials Science, 2021, 56, 19538-19551.	3.7	17
7	Fundamental Insights into Graphene Strain Sensing. Nano Letters, 2021, 21, 833-839.	9.1	13
8	Mechanisms of mechanical reinforcement by graphene and carbon nanotubes in polymer nanocomposites. Nanoscale, 2020, 12, 2228-2267.	5.6	222
9	Anisotropic swelling of elastomers filled with aligned 2D materials. 2D Materials, 2020, 7, 025031.	4.4	8
10	Realising biaxial reinforcement <i>via</i> orientation-induced anisotropic swelling in graphene-based elastomers. Nanoscale, 2020, 12, 3377-3386.	5.6	7
11	Modelling mechanical percolation in graphene-reinforced elastomer nanocomposites. Composites Part B: Engineering, 2019, 178, 107506.	12.0	27
12	Hybrid poly(ether ether ketone) composites reinforced with a combination of carbon fibres and graphene nanoplatelets. Composites Science and Technology, 2019, 175, 60-68.	7.8	52
13	Micromechanics of reinforcement of a graphene-based thermoplastic elastomer nanocomposite. Composites Part A: Applied Science and Manufacturing, 2018, 110, 84-92.	7.6	53
14	The mechanics of reinforcement of polymers by graphene nanoplatelets. Composites Science and Technology, 2018, 154, 110-116.	7.8	221
15	The microstructure of a graphene-reinforced tennis racquet. Journal of Materials Science, 2016, 51, 3861-3867.	3.7	24