Mufeng Liu

List of Publications by Year
in descending order

15 papers	701 citations	933447 10 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	889 citing authors

#	Article	IF	Citations
1	Mechanisms of mechanical reinforcement by graphene and carbon nanotubes in polymer nanocomposites. Nanoscale, 2020, 12, 2228-2267.	5.6	222
2	The mechanics of reinforcement of polymers by graphene nanoplatelets. Composites Science and Technology, 2018, 154, 110-116.	7.8	221
3	Micromechanics of reinforcement of a graphene-based thermoplastic elastomer nanocomposite. Composites Part A: Applied Science and Manufacturing, 2018, 110, 84-92.	7.6	53
4	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
5	Modelling mechanical percolation in graphene-reinforced elastomer nanocomposites. Composites Part B: Engineering, 2019, 178, 107506.	12.0	27
6	The microstructure of a graphene-reinforced tennis racquet. Journal of Materials Science, 2016, 51, 3861-3867.	3.7	24
7	Deformation of and Interfacial Stress Transfer in Ti₃C₂ MXeneâ€“Polymer Composites. ACS Applied Materials & Interfaces, 2022, 14, 10681-10690.	8.0	19
8	High-performance fluoroelastomer-graphene nanocomposites for advanced sealing applications. Composites Science and Technology, 2021, 202, 108592.	7.8	18
9	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
10	Fundamental Insights into Graphene Strain Sensing. Nano Letters, 2021, 21, 833-839.	9.1	13
11	A Review on Printing of Responsive Smart and 4D Structures Using 2D Materials. Advanced Materials Technologies, 2022, 7, .	5.8	11
12	Anisotropic swelling of elastomers filled with aligned 2D materials. 2D Materials, 2020, 7, 025031.	4.4	8
13	Realising biaxial reinforcement via orientation-induced anisotropic swelling in graphene-based elastomers. Nanoscale, 2020, 12, 3377-3386.	5.6	7
14	Deformation and tearing of graphene-reinforced elastomer nanocomposites. Composites Communications, 2021, 25, 100764.	6.3	5
15	Controlling and Monitoring Crack Propagation in Monolayer Graphene Single Crystals. Advanced Functional Materials, 2022, 32, .	14.9	4