Yunlong Li

List of Publications by Year in descending order

22 papers	985 citations	687363 13 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	854 citing authors

#	Article	IF	Citations
1	A molecular dynamics study on the effect of TSW defective graphene on the glass transition temperature of polymer materials. Polymer Bulletin, 2022, 79, 2205-2218.	3.3	4
2	A comparative study on enhancement of mechanical and tribological properties of nitrile rubber composites reinforced by different functionalized graphene sheets: Molecular dynamics simulations. Polymer Composites, 2021, 42, 205-219.	4.6	30
3	A study on effects of stoneâ€“throwerâ€“wales defective carbon nanotubes on glass transition temperature of polymer composites using molecular dynamics simulations. Computational Materials Science, 2021, 186, 110005.	3.0	9
4	The interfacial load-transfer enhancement mechanism of amino-functionalised carbon nanotube reinforced epoxy matrix composites: A molecular dynamics study. Composites Science and Technology, 2021, 209, 108790.	7.8	29
5	Effects of carbon nanotubes functionalization on mechanical and tribological properties of nitrile rubber nanocomposites: Molecular dynamics simulations. Computational Materials Science, 2021, 196, 110556.	3.0	24
6	Molecular dynamics study on the reinforcing effect of incorporation of graphene/carbon nanotubes on the mechanical properties of swelling rubber. Polymer Testing, 2021, 102, 107337.	4.8	18
7	Tribological properties of swollen nitrile rubber under dry and wet sliding conditions. Materials Research Express, 2020, 7, 015311.	1.6	4
8	A study on the enhancement of the mechanical properties of weak structural planes based on microbiologically induced calcium carbonate precipitation. Bulletin of Engineering Geology and the Environment, 2020, 79, 4349-4362.	3.5	11
9	Molecular dynamics simulations of mechanical properties of swollen nitrile rubber composites by incorporating carbon nanotubes. Polymer Composites, 2020, 41, 3160-3169.	4.6	14
10	Study on Preparation and thermal reflective properties of energy saving pigments with selective solar reflection. IOP Conference Series: Materials Science and Engineering, 2019, 544, 012010.	0.6	5
11	A review on enhancement of mechanical and tribological properties of polymer composites reinforced by carbon nanotubes and graphene sheet: Molecular dynamics simulations. Composites Part B: Engineering, 2019, 160, 348-361.	12.0	168
12	Enhancement of fracture properties of polymer composites reinforced by carbon nanotubes: A molecular dynamics study. Carbon, 2018, 129, 504-509.	10.3	71
13	A comparison study on mechanical properties of polymer composites reinforced by carbon nanotubes and graphene sheet. Composites Part B: Engineering, 2018, 133, 35-41.	12.0	146
14	Molecular Dynamics Simulations of Thermal Properties of Polymer Composites Enhanced by Cross-Linked Graphene Sheets. Acta Mechanica Solida Sinica, 2018, 31, 673-682.	1.9	8
15	Enhanced tribological properties of polymer composites by incorporation of nano-SiO 2 particles: A molecular dynamics simulation study. Computational Materials Science, 2017, 134, 93-99.	3.0	51
16	Enhancement of tribological properties of polymer composites reinforced by functionalized graphene. Composites Part B: Engineering, 2017, 120, 83-91.	12.0	91
17	A molecular dynamics simulation study on enhancement of mechanical and tribological properties of polymer composites by introduction of graphene. Carbon, 2017, 111, 538-545.	10.3	131
18	The effect of sliding velocity on the tribological properties of polymer/carbon nanotube composites. Carbon, 2016, 106, 106-109.	10.3	33

#	Article	IF	Citations
19	Molecular dynamics simulations of tribology properties of NBR (Nitrile-Butadiene Rubber) /carbon nanotube composites. Composites Part B: Engineering, 2016, 97, 62-67.	12.0	60
20	A study on tribology of nitrile-butadiene rubber composites by incorporation of carbon nanotubes: Molecular dynamics simulations. Carbon, 2016, 100, 145-150.	10.3	75
21	Driveline Simulation of 2013 Formula Student Electric Racing Vehicle. Applied Mechanics and Materials, 0, 541-542, 424-429.	0.2	3
22	Effect of modified nano/Mg(OH)2 on the flame retardancy and mechanical properties of NBR based on molecular simulation. Modelling and Simulation in Materials Science and Engineering, 0, , .	2.0	0