

# Yunlong Li

## List of Publications by Year in descending order

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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 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       |
| 2  | 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       |
| 3  | 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       |
| 4  | Enhancement of tribological properties of polymer composites reinforced by functionalized graphene. Composites Part B: Engineering, 2017, 120, 83-91.  | 12.0 | 91        |
| 5  | 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        |
| 6  | Enhancement of fracture properties of polymer composites reinforced by carbon nanotubes: A molecular dynamics study. Carbon, 2018, 129, 504-509.   | 10.3 | 71        |
| 7  | 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        |
| 8  | Enhanced tribological properties of polymer composites by incorporation of nano-SiO <sub>2</sub> particles: A molecular dynamics simulation study. Computational Materials Science, 2017, 134, 93-99.                                    | 3.0  | 51        |
| 9  | The effect of sliding velocity on the tribological properties of polymer/carbon nanotube composites. Carbon, 2016, 106, 106-109.   | 10.3 | 33        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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        |
| 13 | 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        |
| 14 | Molecular dynamics simulations of mechanical properties of swollen nitrile rubber composites by incorporating carbon nanotubes. Polymer Composites, 2020, 41, 3160-3169.   | 4.6  | 14        |
| 15 | A study on the enhancement of the mechanical properties of weak structural planes based on microbologically induced calcium carbonate precipitation. Bulletin of Engineering Geology and the Environment, 2020, 79, 4349-4362.           | 3.5  | 11        |
| 16 | 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         |
| 17 | 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         |
| 18 | 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         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Tribological properties of swollen nitrile rubber under dry and wet sliding conditions. Materials Research Express, 2020, 7, 015311.  | 1.6 | 4         |
| 20 | 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         |
| 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) <sub>2</sub> 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         |