Hyun Woo Cho

List of Publications by Year
in descending order

16 papers	209 citations	933447 10 h-index	1058476 14 g-index
17 all docs	17 docs citations	17 times ranked	270 citing authors

#	Article	IF	Citations
1	Effects of silica particles on the electrical percolation threshold and thermomechanical properties of epoxy/silver nanocomposites. Applied Physics Letters, 2011, 99, 043104.	3.3	30
2	Effects of shape and flexibility of conductive fillers in nanocomposites on percolating network formation and electrical conductivity. Physical Review E, 2016, 93, 032501.	2.1	28
3	Effect of Polydispersity on Diffusion in Random Obstacle Matrices. Physical Review Letters, 2012, 109, 155901.	7.8	21
4	Effects of size and interparticle interaction of silica nanoparticles on dispersion and electrical conductivity of silver/epoxy nanocomposites. Journal of Applied Physics, 2014, 115, 154307.	2.5	21
5	Tracer Diffusion in Tightly-Meshed Homogeneous Polymer Networks: A Brownian Dynamics Simulation Study. Polymers, 2020, 12, 2067.	4.5	21
6	The glass transition and interfacial dynamics of single strand fibers of polymers. Soft Matter, 2017, 13, 1190-1199.	2.7	13
7	Translational and rotational diffusion of a single nanorod in unentangled polymer melts. Physical Review E, 2015, 92, 042601.	2.1	11
8	Conductive network formation of carbon nanotubes in elastic polymer microfibers and its effect on the electrical conductance: Experiment and simulation. Journal of Chemical Physics, 2016, 144, 194903.	3.0	11
9	Non-Gaussian rotational diffusion in heterogeneous media. Physical Review E, 2014, 90, 042105.	2.1	10
10	Fractional Viscosity Dependence of Reaction Kinetics in Glass-Forming Liquids. Physical Review Letters, 2017, 119, 087801.	7.8	10
11	The spatial arrangement of a single nanoparticle in a thin polymer film and its effect on the nanoparticle diffusion. Soft Matter, 2017, 13, 5897-5904.	2.7	8
12	The breakdown of the local thermal equilibrium approximation for a polymer chain during packaging. Journal of Chemical Physics, 2019, 150, 204901.	3.0	6
13	Random First Order Transition Theory for Glassy Dynamics in a Single Condensed Polymer. Physical Review Letters, 2021, 126, 137801.	7.8	5
14	Fragile-to-strong crossover, growing length scales, and dynamic heterogeneity in Wigner glasses. Physical Review E, 2020, 101, 032605.	2.1	4
15	Non-universality of the dynamic exponent in two-dimensional random media. Scientific Reports, 2019, 9, 251.	3.3	3
16	Monte Carlo Simulation Studies on the Effect of Entropic Attraction on the Electric Conductivity in Polymer Nano-Composites. Journal of Nanoscience and Nanotechnology, 2014, 14, 5103-5108.	0.9	2