Kai Jin

List of Publications by Year
in descending order

12	919	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	1306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fundamental Investigation of Biomass Interaction for Green Composites: Experiments and Molecular Dynamics Simulations. Advanced Functional Materials, 2022, 32, .	14.9	11
2	Understanding Plant Biomass via Computational Modeling. Advanced Materials, 2021, 33, e2003206.	21.0	34
3	Role of Methylene Diphenyl Diisocyanate (MDI) Additives on SBS-Modified Asphalt with Improved Thermal Stability and Mechanical Performance. Energy & Fuels, 2021, 35, 17629-17641.	5.1	9
4	Molecular dynamics study of the mechanical properties of polydisperse pressure-sensitive adhesives. International Journal of Adhesion and Adhesives, 2019, 92, 58-64.	2.9	5
5	Combining In Silico Design and Biomimetic Assembly: A New Approach for Developing Highâ€Performance Dynamic Responsive Bioâ€Nanomaterials. Advanced Materials, 2018, 30, e1802306.	21.0	34
6	Biopolymer nanofibrils: Structure, modeling, preparation, and applications. Progress in Polymer Science, 2018, 85, 1-56.	24.7	312
7	The Rise of Hierarchical Nanostructured Materials from Renewable Sources: Learning from Nature. ACS Nano, 2018, 12, 7425-7433.	14.6	128
8	Improving the performance of pressure sensitive adhesives by tuning the crosslinking density and locations. Polymer, 2018, 154, 164-171.	3.8	19
9	Ultrathin Free-Standing Bombyx mori Silk Nanofibril Membranes. Nano Letters, 2016, 16, 3795-3800.	9.1	146
10	Liquid Exfoliated Natural Silk Nanofibrils: Applications in Optical and Electrical Devices. Advanced Materials, 2016, 28, 7783-7790.	21.0	134
11	Molecular Modeling and Mechanics of Acrylic Adhesives on a Graphene Substrate with Roughness. BioNanoScience, 2016, 6, 177-184.	3.5	5
12	Molecular deformation mechanisms of the wood cell wall material. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 42, 198-206.	3.1	82