

Kai Jin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8981650/publications.pdf>

Version: 2024-02-01

12
papers

919
citations

1040056

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1199594

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12
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docs citations

12
times ranked

1306
citing authors

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