

Erkan Senses

List of Publications by Year in descending order

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26
papers

742
citations

567247

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times ranked

926
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#	ARTICLE	IF	CITATIONS
1	Viscosity reduction in polymer nanocomposites: Insights from dynamic neutron and X-ray scattering. <i>Journal of Polymer Science</i> , 2022, 60, 1130-1150.	3.8	13
2	Tissue-Like Optoelectronic Neural Interface Enabled by PEDOT:PSS Hydrogel for Cardiac and Neural Stimulation. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102160.	7.6	21
3	Effect of Polymer Topology on Microstructure, Segmental Dynamics, and Ionic Conductivity in PEO/PMMA-Based Solid Polymer Electrolytes. <i>ACS Applied Polymer Materials</i> , 2022, 4, 179-190.	4.4	14
4	Multiscale Dynamics of Lipid Vesicles in Polymeric Microenvironment. <i>Membranes</i> , 2022, 12, 640.	3.0	4
5	Thermoresponsive and Injectable Composite Hydrogels of Cellulose Nanocrystals and Pluronic F127. <i>ACS Applied Bio Materials</i> , 2021, 4, 3507-3517.	4.6	33
6	Nonlinear Architectures Can Alter the Dynamics of Polymer-Nanoparticle Composites. <i>Macromolecules</i> , 2021, 54, 10118-10125.	4.8	3
7	High-Q, directional and self-assembled random laser emission using spatially localized feedback via cracks. <i>APL Photonics</i> , 2020, 5, 106105.	5.7	6
8	Surfactant Driven Liquid to Soft Solid Transition of Cellulose Nanocrystal Suspensions. <i>Langmuir</i> , 2020, 36, 9551-9561.	3.5	12
9	Influence of Kosmotrope and Chaotrope Salts on Water Structural Relaxation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8970-8975.	4.6	19
10	Entangled Polymer Dynamics in Attractive Nanocomposite Melts. <i>Macromolecules</i> , 2020, 53, 4982-4989.	4.8	14
11	Multiscale Polymer Dynamics in Hierarchical Carbon Nanotube Grafted Glass Fiber Reinforced Composites. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1905-1917.	4.4	11
12	Nanoscale Particle Motion Reveals Polymer Mobility Gradient in Nanocomposites. <i>ACS Macro Letters</i> , 2019, , 558-562.	4.8	18
13	Dynamics of Architecturally Engineered All-Polymer Nanocomposites. <i>ACS Nano</i> , 2018, 12, 10807-10816.	14.6	25
14	Chain dynamics and nanoparticle motion in attractive polymer nanocomposites subjected to large deformations. <i>Soft Matter</i> , 2017, 13, 7922-7929.	2.7	19
15	Nanoscale Particle Motion in Attractive Polymer Nanocomposites. <i>Physical Review Letters</i> , 2017, 119, 237801.	7.8	29
16	Small Particle Driven Chain Disentanglements in Polymer Nanocomposites. <i>Physical Review Letters</i> , 2017, 118, 147801.	7.8	69
17	Structure and Entanglement Factors on Dynamics of Polymer-Grafted Nanoparticles. <i>ACS Macro Letters</i> , 2016, 5, 569-573.	4.8	46
18	Microscopic Chain Motion in Polymer Nanocomposites with Dynamically Asymmetric Interphases. <i>Scientific Reports</i> , 2016, 6, 29326.	3.3	53

#	ARTICLE	IF	CITATIONS
19	Role of Filler Shape and Connectivity on the Viscoelastic Behavior in Polymer Nanocomposites. <i>Macromolecules</i> , 2015, 48, 5433-5438.	4.8	96
20	Reversible Thermal Stiffening in Polymer Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14682-14689.	8.0	29
21	Tuning mechanical properties of nanocomposites with bimodal polymer bound layers. <i>RSC Advances</i> , 2014, 4, 49628-49634.	3.6	14
22	Modulating interfacial attraction of polymer-grafted nanoparticles in melts under shear. <i>Soft Matter</i> , 2014, 10, 4464-4470.	2.7	18
23	Spatial Ordering of Colloids in a Drying Aqueous Polymer Droplet. <i>Langmuir</i> , 2013, 29, 2588-2594.	3.5	26
24	An Interface-Driven Stiffening Mechanism in Polymer Nanocomposites. <i>Macromolecules</i> , 2013, 46, 1868-1874.	4.8	49
25	Mechanistic model for deformation of polymer nanocomposite melts under large amplitude shear. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 764-771.	2.1	13
26	Programmable Light-Controlled Shape Changes in Layered Polymer Nanocomposites. <i>ACS Nano</i> , 2012, 6, 3152-3162.	14.6	88