

Chae Bin Kim

List of Publications by Year in descending order

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papers

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32
times ranked

856
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas permeation and selectivity of poly(dimethylsiloxane)/graphene oxide composite elastomer membranes. <i>Journal of Membrane Science</i> , 2016, 518, 131-140.	4.1	73
2	Liquid crystalline epoxy resin with improved thermal conductivity by intermolecular dipole-dipole interactions. <i>Journal of Polymer Science Part A</i> , 2019, 57, 708-715.	2.5	52
3	Signal-Induced Release of Guests from a Photolabile Metal-Phenolic Supramolecular Cage and Its Hybrid Assemblies. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5485-5489.	7.2	45
4	Marangoni Instability Driven Surface Relief Grating in an Azobenzene-Containing Polymer Film. <i>Macromolecules</i> , 2016, 49, 7069-7076.	2.2	39
5	Thermal conductivity enhancement of reduced graphene oxide via chemical defect healing for efficient heat dissipation. <i>Carbon</i> , 2018, 139, 386-392.	5.4	39
6	Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16180-16185.	7.2	35
7	Interfacial Engineering for the Synergistic Enhancement of Thermal Conductivity of Discotic Liquid Crystal Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3155-3159.	4.0	33
8	Designing Intra-block Attractions To Increase the χ Parameter of a Symmetric Diblock Copolymer. <i>Macromolecules</i> , 2016, 49, 8332-8340.	2.2	29
9	Precision Marangoni-driven patterning. <i>Soft Matter</i> , 2014, 10, 8043-8050.	1.2	28
10	Ultrasoft Polydopamine Modified Surfaces for Block Copolymer Nanopatterning on Flexible Substrates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7456-7463.	4.0	24
11	Yield Stress Enhancement of a Ternary Colloidal Suspension via the Addition of Minute Amounts of Sodium Alginate to the Interparticle Capillary Bridges. <i>Langmuir</i> , 2020, 36, 9424-9435.	1.6	19
12	Bidirectional Control of Flow in Thin Polymer Films by Photochemically Manipulating Surface Tension. <i>Chemistry of Materials</i> , 2015, 27, 4538-4545.	3.2	18
13	Generating Large Thermally Stable Marangoni-Driven Topography in Polymer Films by Stabilizing the Surface Energy Gradient. <i>Macromolecules</i> , 2017, 50, 4588-4596.	2.2	18
14	Recyclable thermoplastic hexagonal boron nitride composites with high thermal conductivity. <i>Composites Part B: Engineering</i> , 2019, 163, 723-729.	5.9	18
15	Glass Transition and Self-Diffusion of Unentangled Polymer Melts Nanoconfined by Different Interfaces. <i>Macromolecules</i> , 2018, 51, 7509-7517.	2.2	17
16	A Photochemical Approach to Directing Flow and Stabilizing Topography in Polymer Films. <i>Macromolecules</i> , 2014, 47, 6804-6812.	2.2	16
17	Surface energy gradient driven convection for generating nanoscale and microscale patterned polymer films using photosensitizers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1195-1202.	2.4	14
18	A Systematic Investigation on the Properties of Silica Nanoparticles Grafted with Poly(2-acrylamido-2-methylpropanesulfonate-co-acrylic Acid) in Extreme Salinity Brines and Brine-Oil Interfaces. <i>Langmuir</i> , 2020, 36, 3174-3183.	1.6	13

#	ARTICLE	IF	CITATIONS
19	Optimizing filler network formation in poly(hexahydrotriazine) for realizing high thermal conductivity and low oxygen permeation. <i>Polymer</i> , 2019, 179, 121639.	1.8	12
20	Hollow polymer microcapsule embedded transparent and heat-insulating film. <i>RSC Advances</i> , 2018, 8, 9480-9486.	1.7	11
21	Spatiotemporal vitrimerization of a thermosetting polymer using a photo-latent catalyst for transesterification. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6475-6480.	5.2	11
22	Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. <i>Angewandte Chemie</i> , 2017, 129, 16398-16403.	1.6	10
23	Signal-Induced Release of Guests from a Photolatent Metal-Phenolic Supramolecular Cage and Its Hybrid Assemblies. <i>Angewandte Chemie</i> , 2017, 129, 5577-5581.	1.6	6
24	Orthogonally Spin-Coated Bilayer Films for Photochemical Immobilization and Patterning of Sub-10-Nanometer Polymer Monolayers. <i>Langmuir</i> , 2016, 32, 6940-6947.	1.6	4
25	Manipulating bond exchange rates in vitrimer-hexagonal boron nitride nanohybrids via heat capacity enhancement. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50079.	1.3	4
26	Liquid Crystallinity of p-Aramid/Multi-walled Carbon Nanotube Composites. <i>Fibers and Polymers</i> , 2018, 19, 1359-1362.	1.1	2
27	Small-Molecule Additive for Improving Polyethylene-Derived Carbon Fiber Fabrication. <i>Fibers and Polymers</i> , 2022, 23, 1510-1514.	1.1	1
28	Surface Tension Driven Flow in a Low Molecular Weight Photopolymer. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2015, 28, 67-71.	0.1	0
29	Innentitelbild: Signal-Induced Release of Guests from a Photolatent Metal-Phenolic Supramolecular Cage and Its Hybrid Assemblies (<i>Angew. Chem.</i> 20/2017). <i>Angewandte Chemie</i> , 2017, 129, 5458-5458.	1.6	0
30	Frontispiece: Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	7.2	0
31	Frontispiz: Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. <i>Angewandte Chemie</i> , 2017, 129, .	1.6	0