Chae Bin Kim

List of Publications by Year
in descending order

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31 papers	591 citations	567144 15 h-index	610775 24 g-index
32 all docs	32 docs citations	32 times ranked	856 citing authors

#	Article	IF	Citations
1	Spatiotemporal vitrimerization of a thermosetting polymer using a photo-latent catalyst for transesterification. Journal of Materials Chemistry A, 2022, 10, 6475-6480.	5.2	11
2	Small-Molecule Additive for Improving Polyethylene-Derived Carbon Fiber Fabrication. Fibers and Polymers, 2022, 23, 1510-1514.	1.1	1
3	Manipulating bond exchange rates in <scp>vitrimerâ€‹</scp>hexagonal boron nitride nanohybrids via heat capacity enhancement. Journal of Applied Polymer Science, 2021, 138, 50079.	1.3	4
4	Yield Stress Enhancement of a Ternary Colloidal Suspension via the Addition of Minute Amounts of Sodium Alginate to the Interparticle Capillary Bridges. Langmuir, 2020, 36, 9424-9435.	1.6	19
5	A Systematic Investigation on the Properties of Silica Nanoparticles â€œMultipointâ€•Grafted with Poly(2-acrylamido-2-methylpropanesulfonate-co-acrylic Acid) in Extreme Salinity Brines and Brineâ€“Oil Interfaces. Langmuir, 2020, 36, 3174-3183.	1.6	13
6	Optimizing filler network formation in poly(hexahydrotriazine) for realizing high thermal conductivity and low oxygen permeation. Polymer, 2019, 179, 121639.	1.8	12
7	Liquid crystalline epoxy resin with improved thermal conductivity by intermolecular dipoleâ€“dipole interactions. Journal of Polymer Science Part A, 2019, 57, 708-715.	2.5	52
8	Recyclable thermoplastic hexagonal boron nitride composites with high thermal conductivity. Composites Part B: Engineering, 2019, 163, 723-729.	5.9	18
9	Interfacial Engineering for the Synergistic Enhancement of Thermal Conductivity of Discotic Liquid Crystal Composites. ACS Applied Materials & Interfaces, 2018, 10, 3155-3159.	4.0	33
10	Hollow polymer microcapsule embedded transparent and heat-insulating film. RSC Advances, 2018, 8, 9480-9486.	1.7	11
11	Glass Transition and Self-Diffusion of Unentangled Polymer Melts Nanoconfined by Different Interfaces. Macromolecules, 2018, 51, 7509-7517.	2.2	17
12	Liquid Crystallinity of p-Aramid/Multi-walled Carbon Nanotube Composites. Fibers and Polymers, 2018, 19, 1359-1362.	1.1	2
13	Thermal conductivity enhancement of reduced graphene oxide via chemical defect healing for efficient heat dissipation. Carbon, 2018, 139, 386-392.	5.4	39
14	Innentitelbild: Signalâ€‹induced Release of Guests from a Photolatent Metalâ€“Phenolic Supramolecular Cage and Its Hybrid Assemblies (Angew. Chem. 20/2017). Angewandte Chemie, 2017, 129, 5458-5458.	1.6	0
15	Generating Large Thermally Stable Marangoni-Driven Topography in Polymer Films by Stabilizing the Surface Energy Gradient. Macromolecules, 2017, 50, 4588-4596.	2.2	18
16	Signalâ€‹induced Release of Guests from a Photolatent Metalâ€“Phenolic Supramolecular Cage and Its Hybrid Assemblies. Angewandte Chemie - International Edition, 2017, 56, 5485-5489.	7.2	45
17	Signalâ€‹induced Release of Guests from a Photolatent Metalâ€“Phenolic Supramolecular Cage and Its Hybrid Assemblies. Angewandte Chemie, 2017, 129, 5577-5581.	1.6	6
18	Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. Angewandte Chemie - International Edition, 2017, 56, 16180-16185.	7.2	35

#	Article	IF	Citations
19	Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. Angewandte Chemie, 2017, 129, 16398-16403.	1.6	10
20	Frontispiece: Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0
21	Frontispiz: Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. Angewandte Chemie, 2017, 129, .	1.6	0
22	Marangoni Instability Driven Surface Relief Grating in an Azobenzene-Containing Polymer Film. Macromolecules, 2016, 49, 7069-7076.	2.2	39
23	Designing Intrablock Attractions To Increase the Ï‡ Parameter of a Symmetric Diblock Copolymer. Macromolecules, 2016, 49, 8332-8340.	2.2	29
24	Gas permeation and selectivity of poly(dimethylsiloxane)/graphene oxide composite elastomer membranes. Journal of Membrane Science, 2016, 518, 131-140.	4.1	73
25	Orthogonally Spin-Coated Bilayer Films for Photochemical Immobilization and Patterning of Sub-10-Nanometer Polymer Monolayers. Langmuir, 2016, 32, 6940-6947.	1.6	4
26	Ultrasmooth Polydopamine Modified Surfaces for Block Copolymer Nanopatterning on Flexible Substrates. ACS Applied Materials & Interfaces, 2016, 8, 7456-7463.	4.0	24
27	Surface Tension Driven Flow in a Low Molecular Weight Photopolymer. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 67-71.	0.1	0
28	Bidirectional Control of Flow in Thin Polymer Films by Photochemically Manipulating Surface Tension. Chemistry of Materials, 2015, 27, 4538-4545.	3.2	18
29	Precision Marangoni-driven patterning. Soft Matter, 2014, 10, 8043-8050.	1.2	28
30	A Photochemical Approach to Directing Flow and Stabilizing Topography in Polymer Films. Macromolecules, 2014, 47, 6804-6812.	2.2	16
31	Surface energy gradient driven convection for generating nanoscale and microscale patterned polymer films using photosensitizers. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1195-1202.	2.4	14