

Yong Seok Kim

List of Publications by Citations

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31
papers

563
citations

12
h-index

23
g-index

35
ext. papers

723
ext. citations

7.6
avg, IF

3.94
L-index

#	Paper	IF	Citations
31	2D boron nitride nanoflakes as a multifunctional additive in gel polymer electrolytes for safe, long cycle life and high rate lithium metal batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 1911-1916	35.4	204
30	Anisotropy-Driven High Thermal Conductivity in Stretchable Poly(vinyl alcohol)/Hexagonal Boron Nitride Nanohybrid Films. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34625-34633	9.5	49
29	Highly Carboxylate-Functionalized Polymers of Intrinsic Microporosity for CO ₂ -Selective Polymer Membranes. <i>Macromolecules</i> , 2017 , 50, 8019-8027	5.5	45
28	A Carbonaceous Membrane based on a Polymer of Intrinsic Microporosity (PIM-1) for Water Treatment. <i>Scientific Reports</i> , 2016 , 6, 36078	4.9	31
27	Laser-induced photothermal generation of flexible and salt-resistant monolithic bilayer membranes for efficient solar desalination. <i>Carbon</i> , 2020 , 164, 349-356	10.4	29
26	Synthesis of Poly(phenylene polysulfide) Networks from Elemental Sulfur and p-Diiodobenzene for Stretchable, Healable, and Reprocessable Infrared Optical Applications. <i>ACS Macro Letters</i> , 2019 , 8, 912-916	6.6	21
25	Nano-scale insulation effect of polypyrrole/polyimide core-shell nanoparticles for dielectric composites. <i>Composites Science and Technology</i> , 2016 , 129, 153-159	8.6	21
24	PIM-1-based carbon-sulfur composites for sodium-sulfur batteries that operate without the shuttle effect. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3580-3585	13	20
23	Thermally conductive polyamide 6/carbon filler composites based on a hybrid filler system. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 065001	7.1	20
22	Highly anisotropic thermal conductivity of discotic nematic liquid crystalline films with homeotropic alignment. <i>Chemical Communications</i> , 2017 , 53, 8227-8230	5.8	19
21	Intrinsically microporous polymer-based hierarchical nanostructuring of electrodes via nonsolvent-induced phase separation for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8909-8915	13	15
20	Synergistic Effects of Various Ceramic Fillers on Thermally Conductive Polyimide Composite Films and Their Model Predictions. <i>Polymers</i> , 2019 , 11,	4.5	13
19	Robust and Reprocessable Artificial Muscles Based on Liquid Crystal Elastomers with Dynamic Thiourea Bonds. <i>Advanced Functional Materials</i> , 2019 , 29, 180360	15.6	11
18	Spatiotemporally Controlled Plasticity and Elasticity in 3D Multi-Shape Memory Structures Enabled by Elemental Sulfur-Derived Polysulfide Networks with Intrinsic NIR Responsiveness. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000013	4.8	9
17	Amide-based oligomers for low-viscosity composites of polyamide 66. <i>Macromolecular Research</i> , 2017 , 25, 1000-1006	1.9	7
16	Enhanced dielectric properties of polyimide/BaTiO ₃ nanocomposite by embedding the polypyrrole@polyimide core-shell nanoparticles. <i>Macromolecular Research</i> , 2017 , 25, 290-296	1.9	6
15	Simultaneous flow enhancement of high-filled polyamide 66/glass fiber composites. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 628-636	5.7	5

14	Simultaneous effects of silver-decorated graphite nanoplatelets and anisotropic alignments on improving thermal conductivity of stretchable poly(vinyl alcohol) composite films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 138, 106045	8.4	5
13	Tailoring biomimetic polymer networks towards an unprecedented combination of versatile mechanical characteristics.. <i>RSC Advances</i> , 2019 , 9, 15780-15784	3.7	4
12	3D hierarchical scaffolds enabled by a post-patternable, reconfigurable, and biocompatible 2D vitrimer film for tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3341-3345	7.3	4
11	Photo-Triggered Shape Reconfiguration in Stretchable Reduced Graphene Oxide-Patterned Azobenzene-Functionalized Liquid Crystalline Polymer Networks. <i>Advanced Functional Materials</i> , 2021 , 31, 2102106	15.6	4
10	Programmable Building Blocks via Internal Stress Engineering for 3D Collective Assembly. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000758	6.8	3
9	Weldable and Reprocessable Biomimetic Polymer Networks Based on a Hydrogen Bonding and Dynamic Covalent Thiourea Motif. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 3714-3720	4.3	3
8	Fully Organic and Flexible Biodegradable Emitter for Global Energy-Free Cooling Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 7091-7099	8.3	3
7	Controlling the gate dielectric properties of vinyl-addition polynorbornene copolymers via thiol-ene click chemistry for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4742-4747	7.1	2
6	Facile preparation and immediate effect of novel flow modifiers for engineering the flowability of high-filled composites. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 47-56	5.5	2
5	Regional Control of Multistimuli-Responsive Structural Color-Switching Surfaces by a Micropatterned DNA-Hydrogel Assembly. <i>Nano Letters</i> ,	11.5	2
4	Carbonization of Carboxylate-Functionalized Polymers of Intrinsic Microporosity for Water Treatment. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900532	2.6	1
3	Weldable and Reprocessable Shape Memory Epoxy Vitrimer Enabled by Controlled Formulation for Extrusion-Based 4D Printing Applications. <i>Advanced Engineering Materials</i> , 2101497	3.5	1
2	A dual cross-linked aromatic polythiourea gate dielectric with multifunctional capabilities for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 77-81	7.1	0
1	Synthesis of Vinyl-Addition Polynorbornene Copolymers Bearing Pendant n-Alkyl Chains and Systematic Investigation of Their Properties. <i>Macromolecules</i> , 2021 , 54, 6762-6771	5.5	0