

# Yong Seok Kim

## List of Publications by Year in descending order

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34  
papers

938  
citations

623188

14  
h-index

454577

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1482  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	15.6	282
2	Anisotropy-Driven High Thermal Conductivity in Stretchable Poly(vinyl alcohol)/Hexagonal Boron Nitride Nanohybrid Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34625-34633.	4.0	80
3	Highly Carboxylate-Functionalized Polymers of Intrinsic Microporosity for CO <sub>2</sub> -Selective Polymer Membranes. <i>Macromolecules</i> , 2017, 50, 8019-8027.	2.2	76
4	Laser-induced photothermal generation of flexible and salt-resistant monolithic bilayer membranes for efficient solar desalination. <i>Carbon</i> , 2020, 164, 349-356.	5.4	51
5	Robust and Reprocessable Artificial Muscles Based on Liquid Crystal Elastomers with Dynamic Thiourea Bonds. <i>Advanced Functional Materials</i> , 2022, 32, 2110360.	7.8	49
6	A Carbonaceous Membrane based on a Polymer of Intrinsic Microporosity (PIM-1) for Water Treatment. <i>Scientific Reports</i> , 2016, 6, 36078.	1.6	39
7	Synthesis of Poly(phenylene polysulfide) Networks from Elemental Sulfur and <i>p</i> -Diiodobenzene for Stretchable, Healable, and Reprocessable Infrared Optical Applications. <i>ACS Macro Letters</i> , 2019, 8, 912-916.	2.3	38
8	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.	5.2	31
9	Thermally conductive polyamide 6/carbon filler composites based on a hybrid filler system. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 065001.	2.8	25
10	Nano-scale insulation effect of polypyrrole/polyimide core-shell nanoparticles for dielectric composites. <i>Composites Science and Technology</i> , 2016, 129, 153-159.	3.8	23
11	Highly anisotropic thermal conductivity of discotic nematic liquid crystalline films with homeotropic alignment. <i>Chemical Communications</i> , 2017, 53, 8227-8230.	2.2	23
12	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.	5.2	23
13	Fully Organic and Flexible Biodegradable Emitter for Global Energy-Free Cooling Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7091-7099.	3.2	19
14	Synergistic Effects of Various Ceramic Fillers on Thermally Conductive Polyimide Composite Films and Their Model Predictions. <i>Polymers</i> , 2019, 11, 484.	2.0	18
15	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.	2.0	15
16	Photo-triggered Shape Reconfiguration in Stretchable Reduced Graphene Oxide-Patterned Azobenzene-Functionalized Liquid Crystalline Polymer Networks. <i>Advanced Functional Materials</i> , 2021, 31, 2102106.	7.8	14
17	Printable Self-Activated Liquid Metal Stretchable Conductors from Polyvinylpyrrolidone-Functionalized Eutectic Gallium Indium Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 10747-10757.	4.0	13
18	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.	2.0	12

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19	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.	3.8	11
20	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.	2.7	11
21	Synthesis of Vinyl-Addition Polynorbornene Copolymers Bearing Pendant <i>n</i> -Alkyl Chains and Systematic Investigation of Their Properties. <i>Macromolecules</i> , 2021, 54, 6762-6771.	2.2	11
22	Weldable and Reprocessable Shape Memory Epoxy Vitriimer Enabled by Controlled Formulation for Extrusion-Based 4D Printing Applications. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	11
23	Simultaneous flow enhancement of high-filled polyamide 66/glass fiber composites. <i>Journal of Alloys and Compounds</i> , 2017, 722, 628-636.	2.8	9
24	Regional Control of Multistimuli-Responsive Structural Color-Switching Surfaces by a Micropatterned DNA-Hydrogel Assembly. <i>Nano Letters</i> , 2022, 22, 5069-5076.	4.5	9
25	Enhanced dielectric properties of polyimide/BaTiO <sub>3</sub> nanocomposite by embedding the polypyrrole@polyimide core-shell nanoparticles. <i>Macromolecular Research</i> , 2017, 25, 290-296.	1.0	8
26	Amide-based oligomers for low-viscosity composites of polyamide 66. <i>Macromolecular Research</i> , 2017, 25, 1000-1006.	1.0	8
27	Tailoring biomimetic polymer networks towards an unprecedented combination of versatile mechanical characteristics. <i>RSC Advances</i> , 2019, 9, 15780-15784.	1.7	7
28	3D hierarchical scaffolds enabled by a post-patternable, reconfigurable, and biocompatible 2D vitriimer film for tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3341-3345.	2.9	4
29	Programmable Building Blocks via Internal Stress Engineering for 3D Collective Assembly. <i>Advanced Materials Technologies</i> , 2020, 5, 2000758.	3.0	4
30	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.	2.6	4
31	Carbonization of Carboxylate-Functionalized Polymers of Intrinsic Microporosity for Water Treatment. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900532.	1.1	3
32	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.	2.7	2
33	Synthesis and Analysis of Flow Modifiers for PPS Flowability Enhancement. <i>Porrime</i> , 2017, 41, 889-895.	0.0	2
34	Synthesis of Sulfur-Citral Copolymers and Their Application to Cathode Materials for Lithium-Sulfur Batteries. <i>Porrime</i> , 2019, 43, 282-288.	0.0	0