

# Sungjune Park

## List of Publications by Year in descending order

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45  
papers

913  
citations

430874

18  
h-index

477307

29  
g-index

46  
all docs

46  
docs citations

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times ranked

1026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stretchable, Soft, and Variable Stiffness Elastomer foam with Positive and Negative Piezoresistivity Enabled by Liquid Metal Inclusion. <i>Advanced Materials Technologies</i> , 2022, 7, 2101092.	5.8	15
2	Hierarchical CuO nanostructured materials for acetaldehyde sensor application. <i>Microelectronic Engineering</i> , 2022, 251, 111662.	2.4	14
3	Synthesis and characterizations of highly responsive H <sub>2</sub> S sensor using p-type Co <sub>3</sub> O <sub>4</sub> nanoparticles/nanorods mixed nanostructures. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8145-8154.	7.1	22
4	Mo/Co doped 1T-VS <sub>2</sub> nanostructures as a superior bifunctional electrocatalyst for overall water splitting in alkaline media. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9067-9079.	10.3	38
5	Liquid Metal Patterned Stretchable and Soft Capacitive Sensor with Enhanced Dielectric Property Enabled by Graphite Nanofiber Fillers. <i>Polymers</i> , 2022, 14, 710.	4.5	14
6	Hydrothermal synthesis of ZnO nanoflakes composed of fine nanoparticles for H <sub>2</sub> S gas sensing application. <i>Ceramics International</i> , 2022, 48, 28822-28829.	4.8	32
7	Amphiphilic block co-polymer and silica reinforced epoxy composite with excellent toughness and delamination resistance for durable electronic packaging application. <i>Polymer</i> , 2022, 245, 124679.	3.8	12
8	Cobalt-incorporated tellurium nanostructured electrocatalysts for hydrogen evolution reaction in acidic electrolyte. <i>International Journal of Energy Research</i> , 2022, 46, 13044-13058.	4.5	6
9	Electrodeposited Bi(OH) <sub>3</sub> @Mo(OH) <sub>4</sub> nanostructured electrode for high-performance supercapacitor application. <i>Ceramics International</i> , 2022, 48, 22417-22425.	4.8	5
10	Hybrid nanostructured bismuth-cobalt oxides/hydroxides binder-free electrodes fabricated by two-step electrodeposition for high-performance supercapacitors. <i>International Journal of Energy Research</i> , 2022, 46, 12254-12265.	4.5	5
11	Cyanostilbene-Based AIEgen Smart Film: Optical Switching by Engineering Molecular Packing Structure and Molecular Conformation Through Thermal and Photoinduced Monotropic Phase Transition. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	4
12	Cyanostilbene-Based AIEgen Smart Film: Optical Switching by Engineering Molecular Packing Structure and Molecular Conformation Through Thermal and Photoinduced Monotropic Phase Transition (Advanced Optical Materials 11/2022). <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	0
13	Liquid metal fillers enabled remote actuating and localizing reversible wrinkles on polymeric bilayer. <i>Applied Materials Today</i> , 2022, 28, 101537.	4.3	2
14	Solution Processable Benzotrithiophene (BTT)-Based Organic Semiconductors: Recent Advances and Review. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	3.9	8
15	Thermal Energy Harvest and Reutilization by the Combination of Thermal Conducting Reactive Mesogens and Heat-Storage Mesogens. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13637-13647.	8.0	4
16	Transfer and Amplification of Iodine-Based Diacetylene Amphiphiles to Anisotropic Optical Properties by Uniaxial Orientation in Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22884-22890.	8.0	2
17	Ultrastretchable Thermo- and Mechanochromic Fiber with Healable Metallic Conductivity. <i>Advanced Electronic Materials</i> , 2021, 7, 2100146.	5.1	21
18	Development of Diketopyrrolopyrrole-Based Smart Inks by Substituting Ionic Pendants and Engineering Molecular Packing Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31206-31214.	8.0	4

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19	Soft and Stretchable Liquid Metal Composites with Shape Memory and Healable Conductivity. ACS Applied Materials & Interfaces, 2021, 13, 28916-28924.	8.0	50
20	Stretchable and Soft Electroadhesion Using Liquidâ€Metal Subsurface Microelectrodes. Advanced Materials Technologies, 2021, 6, 2100263.	5.8	16
21	An Ultrastretchable Electrical Switch Fiber with a Magnetic Liquid Metal Core for Remote Magnetic Actuation. Polymers, 2021, 13, 2407.	4.5	21
22	2D and 3D Structuring of Freestanding Metallic Wires Enabled by Room-Temperature Welding for Soft and Stretchable Electronics. ACS Applied Materials & Interfaces, 2021, 13, 36644-36652.	8.0	15
23	WO3 nanorods structures for high-performance gas sensing application. Materials Letters, 2021, 299, 130092.	2.6	21
24	High performance acetaldehyde gas sensor based on p-n heterojunction interface of NiO nanosheets and WO3 nanorods. Sensors and Actuators B: Chemical, 2021, 344, 130264.	7.8	54
25	Nonâ€polymeric thin wires by drawing materials near room temperature. Nano Select, 2021, 2, 608-614.	3.7	5
26	Molecular engineering of a porphyrin-based hierarchical superstructure: planarity control of a discotic metallomesogen for high thermal conductivity. Materials Horizons, 2020, 7, 2635-2642.	12.2	13
27	Imidazoliumâ€Functionalized Diacetylene Amphiphiles: Strike a Lighter and Wear Polaroid Glasses to Decipher the Secret Code. Advanced Materials, 2020, 32, e2003980.	21.0	19
28	Hierarchical patterns on laminated composite bilayer films via surface roughness-mediated buckling instability. Composites Part B: Engineering, 2020, 190, 107929.	12.0	10
29	Complex core-shell morphologies of block copolymers revealed beneath the surface. Applied Surface Science, 2019, 494, 309-314.	6.1	2
30	Ultrastretchable Elastic Shape Memory Fibers with Electrical Conductivity. Advanced Science, 2019, 6, 1901579.	11.2	74
31	Manipulating the sequences of block copolymer patterns on corrugated substrates. Polymer, 2019, 180, 121726.	3.8	4
32	Fast-response microlens array fabricated using polyvinyl chloride gel. Journal of Molecular Liquids, 2019, 283, 155-159.	4.9	19
33	Lightâ€Induced Buckles Localized by Polymeric Inks Printed on Bilayer Films. Small, 2018, 14, e1704460.	10.0	4
34	Silicones for Stretchable and Durable Soft Devices: Beyond Sylgard-184. ACS Applied Materials & Interfaces, 2018, 10, 11261-11268.	8.0	149
35	Cross-linked magnetic nanoparticles with a biocompatible amide bond for cancer-targeted dual optical/magnetic resonance imaging. Colloids and Surfaces B: Biointerfaces, 2018, 161, 183-191.	5.0	31
36	Shear-Enhanced Transfer Printing of Conducting Polymer Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 31560-31567.	8.0	34

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37	Surface Roughness-Mediated Ordering in Block Copolymer Films toward Spatially Controlled Patterns. <i>Macromolecules</i> , 2017, 50, 6840-6848.	4.8	10
38	Hierarchical Manipulation of Block Copolymer Patterns on 3D Topographic Substrates: Beyond Graphoepitaxy. <i>Advanced Materials</i> , 2016, 28, 6900-6905.	21.0	19
39	Anti-fogging behavior of water-absorbing polymer films derived from isosorbide-based epoxy resin. <i>Materials Letters</i> , 2016, 180, 81-84.	2.6	32
40	Non-sticky polyvinylsilazane stamp with high durability for UV-nanoimprint lithography. <i>Microelectronic Engineering</i> , 2012, 98, 130-133.	2.4	4
41	Guiding Block Copolymers into Sequenced Patterns via Inverted Terrace Formation. <i>Macromolecules</i> , 2012, 45, 2494-2501.	4.8	15
42	Artificial Leaves via Reproduction of Hierarchical Structures by a Fast Molding and Curing Process. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1300-1303.	3.9	7
43	Ceramic nanowrinkles via a facile replication process. <i>Journal of Materials Chemistry</i> , 2011, 21, 11734.	6.7	13
44	Non-sticky silicate replica mold by phase conversion approach for nanoimprint lithography applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 9962.	6.7	18
45	Fabrication of three-dimensional SiC ceramic microstructures with near-zero shrinkage via dual crosslinking induced stereolithography. <i>Chemical Communications</i> , 2009, , 4880.	4.1	46