

# Sungjune Park

## List of Publications by Year in descending order

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papers

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citations

430874

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477307

29  
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all docs

46  
docs citations

46  
times ranked

1026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicones for Stretchable and Durable Soft Devices: Beyond Sylgard-184. ACS Applied Materials & Interfaces, 2018, 10, 11261-11268.	8.0	149
2	Ultrastretchable Elastic Shape Memory Fibers with Electrical Conductivity. Advanced Science, 2019, 6, 1901579.	11.2	74
3	High performance acetaldehyde gas sensor based on p-n heterojunction interface of NiO nanosheets and WO <sub>3</sub> nanorods. Sensors and Actuators B: Chemical, 2021, 344, 130264.	7.8	54
4	Soft and Stretchable Liquid Metal Composites with Shape Memory and Healable Conductivity. ACS Applied Materials & Interfaces, 2021, 13, 28916-28924.	8.0	50
5	Fabrication of three-dimensional SiC ceramic microstructures with near-zero shrinkage via dual crosslinking induced stereolithography. Chemical Communications, 2009, , 4880.	4.1	46
6	Mo/Co doped 1T-VS <sub>2</sub> nanostructures as a superior bifunctional electrocatalyst for overall water splitting in alkaline media. Journal of Materials Chemistry A, 2022, 10, 9067-9079.	10.3	38
7	Shear-Enhanced Transfer Printing of Conducting Polymer Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 31560-31567.	8.0	34
8	Anti-fogging behavior of water-absorbing polymer films derived from isosorbide-based epoxy resin. Materials Letters, 2016, 180, 81-84.	2.6	32
9	Hydrothermal synthesis of ZnO nanoflakes composed of fine nanoparticles for H <sub>2</sub> S gas sensing application. Ceramics International, 2022, 48, 28822-28829.	4.8	32
10	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
11	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. International Journal of Hydrogen Energy, 2022, 47, 8145-8154.	7.1	22
12	Ultrastretchable Thermo- and Mechanochromic Fiber with Healable Metallic Conductivity. Advanced Electronic Materials, 2021, 7, 2100146.	5.1	21
13	An Ultrastretchable Electrical Switch Fiber with a Magnetic Liquid Metal Core for Remote Magnetic Actuation. Polymers, 2021, 13, 2407.	4.5	21
14	WO <sub>3</sub> nanorods structures for high-performance gas sensing application. Materials Letters, 2021, 299, 130092.	2.6	21
15	Hierarchical Manipulation of Block Copolymer Patterns on 3D Topographic Substrates: Beyond Graphoepitaxy. Advanced Materials, 2016, 28, 6900-6905.	21.0	19
16	Fast-response microlens array fabricated using polyvinyl chloride gel. Journal of Molecular Liquids, 2019, 283, 155-159.	4.9	19
17	Imidazolium-Functionalized Diacetylene Amphiphiles: Strike a Lighter and Wear Polaroid Glasses to Decipher the Secret Code. Advanced Materials, 2020, 32, e2003980.	21.0	19
18	Non-sticky silicate replica mold by phase conversion approach for nanoimprint lithography applications. Journal of Materials Chemistry, 2010, 20, 9962.	6.7	18

#	ARTICLE	IF	CITATIONS
19	Stretchable and Soft Electroadhesion Using Liquidâ€Metal Subsurface Microelectrodes. <i>Advanced Materials Technologies</i> , 2021, 6, 2100263.	5.8	16
20	Guiding Block Copolymers into Sequenced Patterns via Inverted Terrace Formation. <i>Macromolecules</i> , 2012, 45, 2494-2501.	4.8	15
21	2D and 3D Structuring of Freestanding Metallic Wires Enabled by Room-Temperature Welding for Soft and Stretchable Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36644-36652.	8.0	15
22	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
23	Hierarchical CuO nanostructured materials for acetaldehyde sensor application. <i>Microelectronic Engineering</i> , 2022, 251, 111662.	2.4	14
24	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
25	Ceramic nanowrinkles via a facile replication process. <i>Journal of Materials Chemistry</i> , 2011, 21, 11734.	6.7	13
26	Molecular engineering of a porphyrin-based hierarchical superstructure: planarity control of a discotic metallomesogen for high thermal conductivity. <i>Materials Horizons</i> , 2020, 7, 2635-2642.	12.2	13
27	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
28	Surface Roughness-Mediated Ordering in Block Copolymer Films toward Spatially Controlled Patterns. <i>Macromolecules</i> , 2017, 50, 6840-6848.	4.8	10
29	Hierarchical patterns on laminated composite bilayer films via surface roughness-mediated buckling instability. <i>Composites Part B: Engineering</i> , 2020, 190, 107929.	12.0	10
30	Solution Processable Benzotrithiophene (BTT)-Based Organic Semiconductors: Recent Advances and Review. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	3.9	8
31	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
32	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
33	Non-polymeric thin wires by drawing materials near room temperature. <i>Nano Select</i> , 2021, 2, 608-614.	3.7	5
34	Electrodeposited Bi(OH)3@Mo(OH)4 nanostructured electrode for high-performance supercapacitor application. <i>Ceramics International</i> , 2022, 48, 22417-22425.	4.8	5
35	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
36	Non-sticky polyvinylsilazane stamp with high durability for UV-nanoimprint lithography. <i>Microelectronic Engineering</i> , 2012, 98, 130-133.	2.4	4

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37	Light-Induced Buckles Localized by Polymeric Inks Printed on Bilayer Films. <i>Small</i> , 2018, 14, e1704460.	10.0	4
38	Manipulating the sequences of block copolymer patterns on corrugated substrates. <i>Polymer</i> , 2019, 180, 121726.	3.8	4
39	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
40	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
41	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
42	Complex core-shell morphologies of block copolymers revealed beneath the surface. <i>Applied Surface Science</i> , 2019, 494, 309-314.	6.1	2
43	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
44	Liquid metal fillers enabled remote actuating and localizing reversible wrinkles on polymeric bilayer. <i>Applied Materials Today</i> , 2022, 28, 101537.	4.3	2
45	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