

# Yu-Jin Choi

## List of Publications by Year in descending order

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papers

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	From Smart Denpols to Remote-Controllable Actuators: Hierarchical Superstructures of Azobenzene-Based Polynorbornenes. <i>Advanced Functional Materials</i> , 2017, 27, 1606294.	14.9	46
2	Thermal- and Photo-Induced Phase-Transition Behaviors of a Tapered Dendritic Liquid Crystal with Photochromic Azobenzene Mesogens and a Bicyclic Chiral Center. <i>Chemistry - A European Journal</i> , 2014, 20, 5689-5695.	3.3	44
3	Flexible and Patterned Thin Film Polarizer: Photopolymerization of Perylene-based Lyotropic Chromonic Reactive Mesogens. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 762-771.	8.0	40
4	Self-Assembled Hierarchical Superstructures from the Benzene-1,3,5-Tricarboxamide Supramolecules for the Fabrication of Remote-Controllable Actuating and Rewritable Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9490-9498.	8.0	38
5	Photoresponsive Carbohydrate-based Giant Surfactants: Automatic Vertical Alignment of Nematic Liquid Crystal for the Remote-Controllable Optical Device. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6195-6204.	8.0	36
6	Remote-Controllable Molecular Knob in the Mesomorphic Helical Superstructures. <i>Advanced Functional Materials</i> , 2016, 26, 4242-4251.	14.9	34
7	A Single-Step Dual Stabilization of Smart Window by the Formation of Liquid Crystal Physical Gels and the Construction of Liquid Crystal Chambers. <i>Advanced Functional Materials</i> , 2020, 30, 1906780.	14.9	30
8	Hierarchical Striped Walls Constructed by the Photopolymerization of Discotic Reactive Building Blocks in the Anisotropic Liquid Crystal Solvents. <i>Macromolecules</i> , 2015, 48, 898-907.	4.8	27
9	Multi-responsive chameleon molecule with chiral naphthyl and azobenzene moieties. <i>Soft Matter</i> , 2015, 11, 2924-2933.	2.7	24
10	Photopolymerization of Reactive Amphiphiles: Automatic and Robust Vertical Alignment Layers of Liquid Crystals with a Strong Surface Anchoring Energy. <i>Macromolecules</i> , 2016, 49, 23-29.	4.8	24
11	Asymmetric Organic-Inorganic Hybrid Giant Molecule: Hierarchical Smectic Phase Induced from POSS Nanoparticles by Addition of Nematic Liquid Crystals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 766-774.	3.1	22
12	Single layer retarder with negative dispersion of birefringence and wide field-of-view. <i>Optics Express</i> , 2016, 24, 19934.	3.4	22
13	Stimuli-responsive liquid crystal physical gels based on the hierarchical superstructures of benzene-1,3,5-tricarboxamide macrogelators. <i>Polymer Chemistry</i> , 2017, 8, 1888-1894.	3.9	22
14	Multifunctional Optical Thin Films Fabricated by the Photopolymerization of Uniaxially Oriented Lyotropic Liquid Crystal Monomers for Electro-Optical Devices. <i>Scientific Reports</i> , 2016, 6, 36472.	3.3	21
15	Imidazolium-Functionalized Diacetylene Amphiphiles: Strike a Lighter and Wear Polaroid Glasses to Decipher the Secret Code. <i>Advanced Materials</i> , 2020, 32, e2003980.	21.0	19
16	Azobenzene Molecular Machine: Light-Induced Wringing Gel Fabricated from Asymmetric Macrogelator. <i>ACS Macro Letters</i> , 2018, 7, 576-581.	4.8	18
17	Photo-cross-linked perylene diimide derivative materials as efficient electron transporting layers in inverted polymer solar cells. <i>Nanoscale</i> , 2017, 9, 17731-17736.	5.6	16
18	Unique Monotropic Phase Transition Behaviors of a Butterfly-Shaped Diphenylpyrimidine Molecule. <i>Crystal Growth and Design</i> , 2015, 15, 900-906.	3.0	13

#	ARTICLE	IF	CITATIONS
19	Construction of Polymer-Stabilized Automatic MultiDomain Vertical Molecular Alignment Layers with Pretilt Angles by Photopolymerizing Dendritic Monomers under Electric Fields. ACS Omega, 2017, 2, 5942-5948.	3.5	13
20	Kinetically Controlled Polymorphic Superstructures of Pyrene-Based Asymmetric Liquid Crystal Dendron: Relationship Between Hierarchical Superstructures and Photophysical Properties. Chemistry - A European Journal, 2018, 24, 9015-9021.	3.3	13
21	Butterfly-Shaped Diphenylpyrimidine Molecule: Tunable Photophysical Properties by Molecular Self-Assembly Pathways. Journal of Physical Chemistry Letters, 2015, 6, 887-892.	4.6	12
22	Pyrene-Based Asymmetric Supramolecule: Kinetically Controlled Polymorphic Superstructures by Molecular Self-Assembly. Crystal Growth and Design, 2017, 17, 1707-1715.	3.0	12
23	Optically isotropic liquid crystal media formulated by doping star-shaped cyclic oligosiloxane liquid crystal surfactants in twin nematic liquid crystals. Soft Matter, 2015, 11, 3772-3779.	2.7	11
24	Photoresponsive chiral molecular crystal for light-directing nanostructures. Journal of Materials Chemistry C, 2018, 6, 12314-12320.	5.5	11
25	Conversion of retardation dispersion in self-organized smectic reactive mesogen compound and its dependence on the UV polymerization temperature and the molecular orientation. Optics Express, 2018, 26, 10661.	3.4	11
26	Latticework Nanostructure by Chemical Function Transfer and Molecular Shape Amplification of Programmed Reactive Mesogens. Advanced Functional Materials, 2019, 29, 1905214.	14.9	11
27	Uniaxially Oriented and Polymerized Chromonic Nanocolumns for Redox-Responsive Smart Glass. Chemistry of Materials, 2020, 32, 7630-7638.	6.7	11
28	Secret Ink: Kinetically Controlled Polymorphic Superstructure of Transparent Illuminant. Chemistry of Materials, 2020, 32, 166-172.	6.7	10
29	Coatable Compensator for Flexible Display: Single-Layered Negative Dispersion Retarder Fabricated by Coating, Self-Assembling, and Polymerizing Host-Guest Reactive Mesogens. ACS Applied Materials & Interfaces, 2019, 11, 17766-17773.	8.0	9
30	Diacetylene-Functionalized Dendrons: Self-Assembled and Photopolymerized Three-Dimensional Networks for Advanced Self-Healing and Wringing Soft Materials. ACS Applied Materials & Interfaces, 2020, 12, 33239-33245.	8.0	9
31	Programmed Hierarchical Hybrid Nanostructures from Fullerene-Dendrons and Pyrene-Dendrons. Small, 2018, 14, e1803291.	10.0	4
32	Construction of light-responsive phase chirality from an achiral macrogelator. Journal of Materials Chemistry C, 2019, 7, 3231-3237.	5.5	3
33	Transfer and Amplification of Iodine-Based Diacetylene Amphiphiles to Anisotropic Optical Properties by Uniaxial Orientation in Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 22884-22890.	8.0	2
34	Light Switches: From Smart Denpols to Remote-Controllable Actuators: Hierarchical Superstructures of Azobenzene-Based Polynorbornenes (Adv. Funct. Mater. 18/2017). Advanced Functional Materials, 2017, 27, .	14.9	0