

Yu-Jin Choi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Transfer and Amplification of Iodine-Based Diacetylene Amphiphiles to Anisotropic Optical Properties by Uniaxial Orientation in Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22884-22890.	8.0	2
2	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
3	Secret Ink: Kinetically Controlled Polymorphic Superstructure of Transparent Illuminant. <i>Chemistry of Materials</i> , 2020, 32, 166-172.	6.7	10
4	Uniaxially Oriented and Polymerized Chromonic Nanocolumns for Redox-Responsive Smart Glass. <i>Chemistry of Materials</i> , 2020, 32, 7630-7638.	6.7	11
5	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
6	Diacetylene-Functionalized Dendrons: Self-Assembled and Photopolymerized Three-Dimensional Networks for Advanced Self-Healing and Wringing Soft Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33239-33245.	8.0	9
7	Lattice Nanostructure by Chemical Function Transfer and Molecular Shape Amplification of Programmed Reactive Mesogens. <i>Advanced Functional Materials</i> , 2019, 29, 1905214.	14.9	11
8	Coatable Compensator for Flexible Display: Single-Layered Negative Dispersion Retarder Fabricated by Coating, Self-Assembling, and Polymerizing Host-Guest Reactive Mesogens. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17766-17773.	8.0	9
9	Construction of light-responsive phase chirality from an achiral macrogelator. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3231-3237.	5.5	3
10	Azobenzene Molecular Machine: Light-Induced Wringing Gel Fabricated from Asymmetric Macrogelator. <i>ACS Macro Letters</i> , 2018, 7, 576-581.	4.8	18
11	Photoresponsive chiral molecular crystal for light-directing nanostructures. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12314-12320.	5.5	11
12	Programmed Hierarchical Hybrid Nanostructures from Fullerene-Dendrons and Pyrene-Dendrons. <i>Small</i> , 2018, 14, e1803291.	10.0	4
13	Conversion of retardation dispersion in self-organized smectic reactive mesogen compound and its dependence on the UV polymerization temperature and the molecular orientation. <i>Optics Express</i> , 2018, 26, 10661.	3.4	11
14	Kinetically Controlled Polymorphic Superstructures of Pyrene-Based Asymmetric Liquid Crystal Dendron: Relationship Between Hierarchical Superstructures and Photophysical Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 9015-9021.	3.3	13
15	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
16	Pyrene-Based Asymmetric Supramolecule: Kinetically Controlled Polymorphic Superstructures by Molecular Self-Assembly. <i>Crystal Growth and Design</i> , 2017, 17, 1707-1715.	3.0	12
17	Light Switches: From Smart Denpols to Remote-Controllable Actuators: Hierarchical Superstructures of Azobenzene-Based Polynorbornenes (Adv. Funct. Mater. 18/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0
18	From Smart Denpols to Remote-Controllable Actuators: Hierarchical Superstructures of Azobenzene-Based Polynorbornenes. <i>Advanced Functional Materials</i> , 2017, 27, 1606294.	14.9	46

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19	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
20	Construction of Polymer-Stabilized Automatic MultiDomain Vertical Molecular Alignment Layers with Pretilt Angles by Photopolymerizing Dendritic Monomers under Electric Fields. <i>ACS Omega</i> , 2017, 2, 5942-5948.	3.5	13
21	Single layer retarder with negative dispersion of birefringence and wide field-of-view. <i>Optics Express</i> , 2016, 24, 19934.	3.4	22
22	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 & Interfaces</i> , 2016, 8, 9490-9498.	8.0	38
23	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
24	Remote-Controllable Molecular Knob in the Mesomorphic Helical Superstructures. <i>Advanced Functional Materials</i> , 2016, 26, 4242-4251.	14.9	34
25	Flexible and Patterned Thin Film Polarizer: Photopolymerization of Perylene-based Lyotropic Chromonic Reactive Mesogens. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 762-771.	8.0	40
26	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
27	Photoresponsive Carbohydrate-based Giant Surfactants: Automatic Vertical Alignment of Nematic Liquid Crystal for the Remote-Controllable Optical Device. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6195-6204.	8.0	36
28	Optically isotropic liquid crystal media formulated by doping star-shaped cyclic oligosiloxane liquid crystal surfactants in twin nematic liquid crystals. <i>Soft Matter</i> , 2015, 11, 3772-3779.	2.7	11
29	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
30	Unique Monotropic Phase Transition Behaviors of a Butterfly-Shaped Diphenylpyrimidine Molecule. <i>Crystal Growth and Design</i> , 2015, 15, 900-906.	3.0	13
31	Multi-responsive chameleon molecule with chiral naphthyl and azobenzene moieties. <i>Soft Matter</i> , 2015, 11, 2924-2933.	2.7	24
32	Butterfly-Shaped Diphenylpyrimidine Molecule: Tunable Photophysical Properties by Molecular Self-Assembly Pathways. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 887-892.	4.6	12
33	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
34	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