

Albert P H J Schenning

List of Publications by Year in descending order

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240
papers

18,727
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17405

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docs citations

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times ranked

15435
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#	ARTICLE	IF	CITATIONS
1	Hydrogen-Bonded Supramolecular Liquid Crystal Polymers: Smart Materials with Stimuli-Responsive, Self-Healing, and Recyclable Properties. <i>Chemical Reviews</i> , 2022, 122, 4946-4975.	23.0	161
2	4D Printing of Liquid Crystals: What's Right for Me?. <i>Advanced Materials</i> , 2022, 34, e2104390.	11.1	75
3	One-Pot Synthesis of Melt-Processable Supramolecular Soft Actuators. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
4	Temperature-Responsive 4D Liquid Crystal Microactuators Fabricated by Direct Laser Writing by Two-Photon Polymerization. <i>Small Structures</i> , 2022, 3, 2100158.	6.9	32
5	One-Pot Synthesis of Melt-Processable Supramolecular Soft Actuators. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
6	Water Barrier Properties of Resin-Stabilized Waterborne Coatings for Paperboard. <i>Macromolecular Materials and Engineering</i> , 2022, 307, 2100829.	1.7	9
7	A pH-Responsive Liquid Crystal Hydrogel Actuator with Calcium-Induced Reprogrammable Shape Fixing. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1298-1304.	2.0	16
8	Switchable gas permeability of a polypropylene-liquid crystalline composite film. <i>Journal of Polymer Science</i> , 2022, 60, 803-811.	2.0	2
9	Optical Indicators based on Structural Colored Polymers. <i>Advanced Science</i> , 2022, 9, e2200399.	5.6	22
10	Patterned and Collective Motion of Densely Packed Tapered Multiresponsive Liquid Crystal Cilia. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	7
11	Steering cholesteric liquid crystal elastomer properties by positional variation of chiral molecular building blocks. , 2022, , .		1
12	Image encoding with unconventional appearance through direct ink writing of a cholesteric liquid crystal oligomer ink. , 2022, , .		1
13	Thermochromic Multicolored Photonic Coatings with Light Polarization- and Structural Color-Dependent Changes. <i>ACS Applied Polymer Materials</i> , 2022, 4, 537-545.	2.0	10
14	Pigmented Structural Color Actuators Fueled by Near-Infrared Light. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20093-20100.	4.0	16
15	Direct Ink Writing of 4D Structural Colors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	43
16	Direct Ink Writing of Recyclable Supramolecular Soft Actuators. <i>ACS Macro Letters</i> , 2022, 11, 935-940.	2.3	13
17	Self-assembling liquid crystals as building blocks to design nanoporous membranes suitable for molecular separations. <i>Journal of Membrane Science</i> , 2021, 620, 118849.	4.1	28
18	4D Chiral Photonic Actuators with Switchable Hyper-Reflectivity. <i>Advanced Functional Materials</i> , 2021, 31, 2007887.	7.8	45

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19	High Thermal Conductivity in Anisotropic Aligned Polymeric Materials. ACS Applied Polymer Materials, 2021, 3, 578-587.	2.0	26
20	'Smart' light-reflective windows based on temperature responsive twisted nematic liquid crystal polymers. Journal of Polymer Science, 2021, 59, 1278-1284.	2.0	14
21	3D Anisotropic Polyethylene as Light-Responsive Grippers and Surfing Divers. Advanced Functional Materials, 2021, 31, 2100465.	7.8	16
22	A foldable compact actuator based on an oxetane liquid crystal network. Journal of Applied Physics, 2021, 129, 075101.	1.1	5
23	Smectic Liquid Crystalline Polymer Membranes with Aligned Nanopores in an Anisotropic Scaffold. ACS Applied Materials & Interfaces, 2021, 13, 7592-7599.	4.0	16
24	Wavelength-Selective Photopolymerization of Hybrid Acrylate-Oxetane Liquid Crystals. Angewandte Chemie - International Edition, 2021, 60, 10935-10941.	7.2	32
25	Wavelength-Selective Photopolymerization of Hybrid Acrylate-Oxetane Liquid Crystals. Angewandte Chemie, 2021, 133, 11030-11036.	1.6	3
26	NIR-Vis-UV Light-Responsive High Stress-Generating Polymer Actuators with a Reduced Creep Rate. Macromolecular Rapid Communications, 2021, 42, 2100157.	2.0	1
27	Triple-Shape-Memory Soft Actuators from an Interpenetrating Network of Hybrid Liquid Crystals. Macromolecules, 2021, 54, 5410-5416.	2.2	18
28	Enhanced Thermal Conductivity in Oriented Polyvinyl Alcohol/Graphene Oxide Composites. ACS Applied Materials & Interfaces, 2021, 13, 28864-28869.	4.0	41
29	Temperature-Responsive Photonic Devices Based on Cholesteric Liquid Crystals. Advanced Photonics Research, 2021, 2, 2100016.	1.7	55
30	Monodisperse Liquid Crystalline Polymer Shells with Programmable Alignment and Shape Prepared by Seeded Dispersion Polymerization. Macromolecules, 2021, 54, 6052-6060.	2.2	4
31	Color-Tunable Triple-State Smart Window. Advanced Photonics Research, 2021, 2, 2100134.	1.7	6
32	Anisotropic Iridescence and Polarization Patterns in a Direct Ink Written Chiral Photonic Polymer. Advanced Materials, 2021, 33, e2103309.	11.1	43
33	Liquid-Crystalline Polymer Particles Prepared by Classical Polymerization Techniques. Chemistry - A European Journal, 2021, 27, 14168-14178.	1.7	11
34	Reversible Thermochromic Photonic Coatings with a Protective Topcoat. ACS Applied Materials & Interfaces, 2021, 13, 3153-3160.	4.0	34
35	Electrothermal Color Tuning of Cholesteric Liquid Crystals Using Interdigitated Electrode Patterns. Advanced Electronic Materials, 2021, 7, 2000958.	2.6	13
36	Anisotropic Iridescence and Polarization Patterns in a Direct Ink Written Chiral Photonic Polymer (Adv. Mater. 39/2021). Advanced Materials, 2021, 33, 2170310.	11.1	0

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37	On the Order and Orientation in Liquid Crystalline Polymer Membranes for Gas Separation. <i>Chemistry of Materials</i> , 2021, 33, 8323-8333.	3.2	12
38	Flower-Like Colloidal Particles through Precipitation Polymerization of Redox-Responsive Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27026-27030.	7.2	10
39	Patterned Actuators via Direct Ink Writing of Liquid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59381-59391.	4.0	19
40	Stable and scalable smart window based on polymer stabilized liquid crystals. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48917.	1.3	52
41	Epitaxial growth of light-responsive azobenzene molecular crystal actuators on oriented polyethylene films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 694-699.	2.7	10
42	Liquid Crystal Networks on Thermoplastics: Reprogrammable Photo-Responsive Actuators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4532-4536.	7.2	84
43	Fluorene benzothiadiazole co-oligomer based aqueous self-assembled nanoparticles. <i>RSC Advances</i> , 2020, 10, 444-450.	1.7	6
44	A Patterned Mechanochromic Photonic Polymer for Reversible Image Reveal. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901878.	1.9	50
45	Tunable Photonic Materials via Monitoring Step-Growth Polymerization Kinetics by Structural Colors. <i>Advanced Functional Materials</i> , 2020, 30, 1906833.	7.8	40
46	Nanohybrid Materials with Tunable Birefringence via Cation Exchange in Polymer Films. <i>Advanced Functional Materials</i> , 2020, 30, 1907456.	7.8	9
47	Dual Light and Temperature Responsive Micrometer-Sized Structural Color Actuators. <i>Small</i> , 2020, 16, e1905219.	5.2	47
48	An artificial aquatic polyp that wirelessly attracts, grasps, and releases objects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17571-17577.	3.3	32
49	A bifacial colour-tunable system <i>via</i> combination of a cholesteric liquid crystal network and hydrogel. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10191-10196.	2.7	11
50	Light-Driven Continual Oscillatory Rocking of a Polymer Film. <i>ChemistryOpen</i> , 2020, 9, 1149-1152.	0.9	26
51	Stimuli-Responsive Shape Changing Commodity Polymer Composites and Bilayers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38829-38844.	4.0	39
52	Bioinspired light-driven soft robots based on liquid crystal polymers. <i>Chemical Society Reviews</i> , 2020, 49, 6568-6578.	18.7	172
53	Direct Ink Writing of a Light-Responsive Underwater Liquid Crystal Actuator with Atypical Temperature-Dependent Shape Changes. <i>Advanced Functional Materials</i> , 2020, 30, 2005560.	7.8	51
54	Programmable liquid crystal elastomer microactuators prepared <i>via</i> thiol-ene dispersion polymerization. <i>Soft Matter</i> , 2020, 16, 4908-4911.	1.2	17

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55	Epoxide and oxetane based liquid crystals for advanced functional materials. <i>Soft Matter</i> , 2020, 16, 5106-5119.	1.2	14
56	The Role of Polyethylene Wax on the Thermal Conductivity of Transparent Ultradrawn Polyethylene Films. <i>Macromolecules</i> , 2020, 53, 5599-5603.	2.2	15
57	Light Tracking and Light Guiding Fiber Arrays by Adjusting the Location of Photoresponsive Azobenzene in Liquid Crystal Networks. <i>Advanced Optical Materials</i> , 2020, 8, 2000732.	3.6	35
58	Flexible Nanoporous Liquid Crystal Networks as Matrixes for Förster Resonance Energy Transfer (FRET). <i>ACS Applied Nano Materials</i> , 2020, 3, 3904-3909.	2.4	11
59	An Optical Steam Sterilization Sensor Based On a Dual-Responsive Supramolecular Cross-Linked Photonic Polymer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16896-16902.	4.0	27
60	Polymer Stabilized Cholesteric Liquid Crystal Siloxane for Temperature-Responsive Photonic Coatings. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1803.	1.8	30
61	Brushable, Temperature and Light Responsive Triple Shape-Memory Photonic Coatings Based on Micrometer-Sized Cholesteric Liquid Crystal Polymer Particles. <i>Advanced Optical Materials</i> , 2020, 8, 2000054.	3.6	55
62	Advanced Optical Materials for Sunlight Control in Greenhouses. <i>Advanced Optical Materials</i> , 2020, 8, 2000738.	3.6	43
63	Direct Laser Writing of Four-Dimensional Structural Color Microactuators Using a Photonic Photoresist. <i>ACS Nano</i> , 2020, 14, 9832-9839.	7.3	89
64	Ultra-High Actuation Stress Polymer Actuators as Light-Driven Artificial Muscles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33210-33218.	4.0	36
65	Unravelling humidity-gated, temperature responsive bilayer actuators. <i>Soft Matter</i> , 2020, 16, 2753-2759.	1.2	17
66	A Soft Transporter Robot Fueled by Light. <i>Advanced Science</i> , 2020, 7, 1902842.	5.6	112
67	Liquid Crystal Networks on Thermoplastics: Reprogrammable Photo-Responsive Actuators. <i>Angewandte Chemie</i> , 2020, 132, 4562-4566.	1.6	11
68	Structural Color Actuators: Dual Light and Temperature Responsive Micrometer-Sized Structural Color Actuators (Small 1/2020). <i>Small</i> , 2020, 16, 2070005.	5.2	1
69	Discrete π - π Stacks from Self-Assembled Perylene-3,4,9,10-tetracarboxylic Diimide Analogues. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15273-15277.	7.2	41
70	Transparent, High-Thermal-Conductivity Ultradrawn Polyethylene/Graphene Nanocomposite Films. <i>Advanced Materials</i> , 2019, 31, e1904348.	11.1	69
71	Discrete π - π Stacks from Self-Assembled Perylene-3,4,9,10-tetracarboxylic Diimide Analogues. <i>Angewandte Chemie</i> , 2019, 131, 15417-15421.	1.6	13
72	Temperature-Responsive, Multicolor-Changing Photonic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28172-28179.	4.0	70

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73	Photonic Shape Memory Chiral Nematic Polymer Coatings with Changing Surface Topography and Color. <i>Advanced Optical Materials</i> , 2019, 7, 1900592.	3.6	26
74	Unravelling the photothermal and photomechanical contributions to actuation of azobenzene-doped liquid crystal polymers in air and water. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13502-13509.	2.7	78
75	Paintable Encapsulated Body-Temperature-Responsive Photonic Reflectors with Arbitrary Shapes. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3407-3412.	2.0	24
76	Monodisperse Liquid Crystal Network Particles Synthesized via Precipitation Polymerization. <i>Macromolecules</i> , 2019, 52, 8339-8345.	2.2	22
77	Light-Responsive Smart Soft Matter Technologies. <i>Advanced Optical Materials</i> , 2019, 7, 1901160.	3.6	45
78	A self-sustained soft actuator able to rock and roll. <i>Chemical Communications</i> , 2019, 55, 11029-11032.	2.2	28
79	Temperature-Responsive Polymer Wave Plates as Tunable Polarization Converters. <i>Advanced Optical Materials</i> , 2019, 7, 1901103.	3.6	9
80	Butterfly proboscis-inspired tight rolling tapered soft actuators. <i>Chemical Communications</i> , 2019, 55, 1726-1729.	2.2	34
81	An Untethered Magnetic- and Light-Responsive Rotary Gripper: Shedding Light on Photoresponsive Liquid Crystal Actuators. <i>Advanced Optical Materials</i> , 2019, 7, 1801643.	3.6	76
82	Rewritable Optical Patterns in Light-Responsive Ultrahigh Molecular Weight Polyethylene. <i>ACS Applied Polymer Materials</i> , 2019, 1, 392-396.	2.0	16
83	Air-Curable, High-Resolution Patternable Oxetane-Based Liquid Crystalline Photonic Films via Flexographic Printing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7423-7430.	4.0	44
84	3D Helix Engineering in Chiral Photonic Materials. <i>Advanced Materials</i> , 2019, 31, e1903120.	11.1	64
85	Paintable temperature-responsive cholesteric liquid crystal reflectors encapsulated on a single flexible polymer substrate. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7395-7398.	2.7	34
86	Patterned Full-Color Reflective Coatings Based on Photonic Cholesteric Liquid-Crystalline Particles. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14376-14382.	4.0	42
87	Optical Patterns on Drawn Polyethylene by Direct Laser Writing. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1800811.	2.0	11
88	Tetrazine- <i>trans</i> -Cyclooctene Chemistry Applied to Fabricate Self-Assembled Fluorescent and Radioactive Nanoparticles for <i>in Vivo</i> Dual Mode Imaging. <i>Bioconjugate Chemistry</i> , 2019, 30, 547-551.	1.8	9
89	On Untethered, Dual Magneto- and Photoresponsive Liquid Crystal Bilayer Actuators Showing Bending and Rotating Motion. <i>Advanced Optical Materials</i> , 2019, 7, 1801604.	3.6	34
90	Humidity-gated, temperature-responsive photonic infrared reflective broadband coatings. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6113-6119.	5.2	80

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91	An Artificial Nocturnal Flower via Humidity-Gated Photoactuation in Liquid Crystal Networks. <i>Advanced Materials</i> , 2019, 31, e1805985.	11.1	154
92	Environmentally responsive photonic polymers. <i>Chemical Communications</i> , 2019, 55, 2880-2891.	2.2	74
93	Sub-5 nm structured films by hydrogen bonded siloxane liquid crystals and block copolymers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3042-3046.	2.7	10
94	Proton conductive cationic nanoporous polymers based on smectic liquid crystal hydrogen-bonded heterodimers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5018-5024.	2.7	17
95	Macromol. Rapid Commun. 1/2018. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1870004.	2.0	0
96	A full color photonic polymer, rewritable with a liquid crystal ink. <i>Chemical Communications</i> , 2018, 54, 4425-4428.	2.2	50
97	Synthesis and Self-Assembly of Bay-Substituted Perylene Diimide Gemini-Type Surfactants as Off-On Fluorescent Probes for Lipid Bilayers. <i>Chemistry - A European Journal</i> , 2018, 24, 7734-7741.	1.7	24
98	Light-Driven Electrohydrodynamic Instabilities in Liquid Crystals. <i>Advanced Functional Materials</i> , 2018, 28, 1707436.	7.8	35
99	Light-responsive polymers for microfluidic applications. <i>Lab on A Chip</i> , 2018, 18, 699-709.	3.1	64
100	Liquid crystal elastomer coatings with programmed response of surface profile. <i>Nature Communications</i> , 2018, 9, 456.	5.8	114
101	Photoresponsive Sponge-Like Coating for On-Demand Liquid Release. <i>Advanced Functional Materials</i> , 2018, 28, 1705942.	7.8	50
102	Multistate Luminescent Solar Concentrator - Smart Windows. <i>Advanced Energy Materials</i> , 2018, 8, 1702922.	10.2	83
103	Proton-conductive materials formed by coumarin photocrosslinked ionic liquid crystal dendrimers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1000-1007.	2.7	50
104	Full Color Camouflage in a Printable Photonic Blue-Colored Polymer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4168-4172.	4.0	97
105	Cell thickness dependence of electrically tunable infrared reflectors based on polymer stabilized cholesteric liquid crystals. <i>Science China Materials</i> , 2018, 61, 745-751.	3.5	11
106	Size-Selective Adsorption in Nanoporous Polymers from Coumarin Photo-Cross-Linked Columnar Liquid Crystals. <i>Macromolecules</i> , 2018, 51, 2349-2358.	2.2	41
107	Photoresponsive Passive Micromixers Based on Spiropyran Size-Tunable Hydrogels. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700086.	2.0	28
108	Directed Self-Assembly of Liquid-Crystalline Molecular Building Blocks for Sub-5 nm Nanopatterning. <i>Advanced Materials</i> , 2018, 30, 1703713.	11.1	64

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109	Easily Processable and Programmable Responsive Semi-Interpenetrating Liquid Crystalline Polymer Network Coatings with Changing Reflectivities and Surface Topographies. <i>Advanced Functional Materials</i> , 2018, 28, 1704756.	7.8	63
110	Temperature-Responsive Luminescent Solar Concentrators: Tuning Energy Transfer in a Liquid Crystalline Matrix. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1030-1033.	7.2	64
111	Re- and Preconfigurable Multistable Visible Light Responsive Surface Topographies. <i>Small</i> , 2018, 14, e1803274.	5.2	28
112	Programmable helical twisting in oriented humidity-responsive bilayer films generated by spray-coating of a chiral nematic liquid crystal. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17724-17729.	5.2	58
113	An easily coatable temperature responsive cholesteric liquid crystal oligomer for making structural colour patterns. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7184-7187.	2.7	72
114	Nanoporous Polymers Based on Liquid Crystals. <i>Materials</i> , 2018, 11, 104.	1.3	30
115	Compliance-Mediated Topographic Oscillation of Polarized Light Triggered Liquid Crystal Coating. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800810.	1.9	10
116	Well-Adhering, Easily Producing Photonic Reflective Coatings for Plastic Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30008-30013.	4.0	25
117	Hydrogen-Bonded Siloxane Liquid Crystals for Hybrid Nanomaterials. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800130.	1.0	8
118	Micrometer-Scale Porous Buckling Shell Actuators Based on Liquid Crystal Networks. <i>Advanced Functional Materials</i> , 2018, 28, 1801209.	7.8	39
119	Tuning microfluidic flow by pulsed light oscillating spiropyran-based polymer hydrogel valves. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 81-86.	4.0	33
120	Bimodal Ultrahigh Molecular Weight Polyethylenes Produced from Supported Catalysts: The Challenge of Using a Combined Catalyst System. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600490.	1.1	10
121	Hydrophobicity determines the fate of self-assembled fluorescent nanoparticles in cells. <i>Chemical Communications</i> , 2017, 53, 1626-1629.	2.2	7
122	Relationship between Side-Chain Polarity and the Self-Assembly Characteristics of Perylene Diimide Derivatives in Aqueous Solution. <i>ChemistryOpen</i> , 2017, 6, 266-272.	0.9	14
123	Smectic hybrid oligo(dimethylsiloxane) liquid crystal for nanopatterning. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
124	Infrared Regulating Smart Window Based on Organic Materials. <i>Advanced Energy Materials</i> , 2017, 7, 1602209.	10.2	286
125	Reactive oligo(dimethylsiloxane) mesogens and their nanostructured thin films. <i>Soft Matter</i> , 2017, 13, 4357-4362.	1.2	4
126	Light-Responsive Hierarchically Structured Liquid Crystal Polymer Networks for Harnessing Cell Adhesion and Migration. <i>Advanced Materials</i> , 2017, 29, 1606407.	11.1	90

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127	Patterned oscillating topographical changes in photoresponsive polymer coatings. <i>Soft Matter</i> , 2017, 13, 4321-4327.	1.2	27
128	A Rewritable, Reprogrammable, Dual Light-Responsive Polymer Actuator. <i>Angewandte Chemie</i> , 2017, 129, 13621-13624.	1.6	19
129	Photonic Shape Memory Polymer with Stable Multiple Colors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32161-32167.	4.0	52
130	A Rewritable, Reprogrammable, Dual Light-Responsive Polymer Actuator. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13436-13439.	7.2	127
131	Anisotropic Dye Adsorption and Anhydrous Proton Conductivity in Smectic Liquid Crystal Networks: The Role of Cross-Link Density, Order, and Orientation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35218-35225.	4.0	38
132	3D Orientational Control in Self-Assembled Thin Films with Sub-5 nm Features by Light. <i>Small</i> , 2017, 13, 1701043.	5.2	24
133	Biointerfaces: Light-Responsive Hierarchically Structured Liquid Crystal Polymer Networks for Harnessing Cell Adhesion and Migration (<i>Adv. Mater.</i> 27/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	0
134	On the Dimensional Control of 2D Hybrid Nanomaterials. <i>Chemistry - A European Journal</i> , 2017, 23, 12534-12541.	1.7	4
135	Fabrication and Postmodification of Nanoporous Liquid Crystalline Networks via Dynamic Covalent Chemistry. <i>Chemistry of Materials</i> , 2017, 29, 6601-6605.	3.2	22
136	Easily Processable Temperature-Responsive Infrared-Reflective Polymer Coatings. <i>ACS Omega</i> , 2017, 2, 3475-3482.	1.6	30
137	Light-Triggered Formation of Surface Topographies in Azo Polymers. <i>Crystals</i> , 2017, 7, 231.	1.0	32
138	Cholesteric Liquid Crystalline Polymer Networks as Optical Sensors. , 2017, , 83-102.		3
139	Thin Films: 3D Orientational Control in Self-Assembled Thin Films with Sub-5 nm Features by Light (<i>Small</i> 33/2017). <i>Small</i> , 2017, 13, .	5.2	0
140	Ligand exchange as a tool to improve quantum dot miscibility in polymer composite layers used as luminescent down-shifting layers for photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5747-5754.	2.7	26
141	Electrically tunable infrared reflector with adjustable bandwidth broadening up to 1100 nm. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6064-6069.	5.2	54
142	Sub-5 nm Patterning by Directed Self-Assembly of Oligo(Dimethylsiloxane) Liquid Crystal Thin Films. <i>Advanced Materials</i> , 2016, 28, 10068-10072.	11.1	64
143	A chaotic self-oscillating sunlight-driven polymer actuator. <i>Nature Communications</i> , 2016, 7, 11975.	5.8	329
144	An Optical Sensor Based on a Photonic Polymer Film to Detect Calcium in Serum. <i>Advanced Functional Materials</i> , 2016, 26, 1154-1160.	7.8	115

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145	Nanoporous polymer particles made by suspension polymerization: spontaneous symmetry breaking in hydrogen bonded smectic liquid crystalline droplets and high adsorption characteristics. <i>Polymer Chemistry</i> , 2016, 7, 4712-4716.	1.9	23
146	Dual electrically and thermally responsive broadband reflectors based on polymer network stabilized chiral nematic liquid crystals: the role of crosslink density. <i>Chemical Communications</i> , 2016, 52, 10109-10112.	2.2	28
147	Photoresponsive Fiber Array: Toward Mimicking the Collective Motion of Cilia for Transport Applications. <i>Advanced Functional Materials</i> , 2016, 26, 5322-5327.	7.8	116
148	Dual light and temperature responsive cotton fabric functionalized with a surface-grafted spiropyran- <i>N</i> IPAAm-hydrogel. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8676-8681.	5.2	80
149	Regulating the modulus of a chiral liquid crystal polymer network by light. <i>Soft Matter</i> , 2016, 12, 3196-3201.	1.2	68
150	Smectic liquid crystal polymers as a template for ultrathin CaCO ₃ nanolayers. <i>RSC Advances</i> , 2016, 6, 13953-13956.	1.7	6
151	Hot pen and laser writable photonic polymer films. <i>Proceedings of SPIE</i> , 2016, , .	0.8	8
152	Self-Assembled Fluorescent Nanoparticles from π -Conjugated Small Molecules: En Route to Biological Applications. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1306-1321.	2.0	46
153	Rapid Energy Transfer Enabling Control of Emission Polarization in Perylene Bisimide Donor-Acceptor Triads. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1170-1176.	2.1	22
154	Photoresponsive Nanoporous Smectic Liquid Crystalline Polymer Networks: Changing the Number of Binding Sites and Pore Dimensions in Polymer Adsorbents by Light. <i>Macromolecules</i> , 2015, 48, 4073-4080.	2.2	29
155	On-Demand Wrinkling Patterns in Thin Metal Films Generated from Self-Assembling Liquid Crystals. <i>Advanced Functional Materials</i> , 2015, 25, 1360-1365.	7.8	29
156	Photopatterning: On-Demand Wrinkling Patterns in Thin Metal Films Generated from Self-Assembling Liquid Crystals (<i>Adv. Funct. Mater.</i> 9/2015). <i>Advanced Functional Materials</i> , 2015, 25, 1472-1472.	7.8	0
157	Molecular Design of Light-Responsive Hydrogels, For in Situ Generation of Fast and Reversible Valves for Microfluidic Applications. <i>Chemistry of Materials</i> , 2015, 27, 5925-5931.	3.2	141
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