

Albert P H J Schenning

List of Publications by Year in descending order

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240
papers

18,727
citations

17405

63
h-index

13727

129
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254
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254
docs citations

254
times ranked

15435
citing authors

#	ARTICLE	IF	CITATIONS
1	About Supramolecular Assemblies of π -Conjugated Systems. <i>Chemical Reviews</i> , 2005, 105, 1491-1546.	23.0	2,917
2	Supramolecular Polymerization. <i>Chemical Reviews</i> , 2009, 109, 5687-5754.	23.0	2,086
3	Supramolecular electronics; nanowires from self-assembled π -conjugated systems. <i>Chemical Communications</i> , 2005, , 3245.	2.2	735
4	Hierarchical Order in Supramolecular Assemblies of Hydrogen-Bonded Oligo(p-phenylene vinylene)s. <i>Journal of the American Chemical Society</i> , 2001, 123, 409-416.	6.6	339
5	A chaotic self-oscillating sunlight-driven polymer actuator. <i>Nature Communications</i> , 2016, 7, 11975.	5.8	329
6	Amphiphilic Dendrimers as Building Blocks in Supramolecular Assemblies. <i>Journal of the American Chemical Society</i> , 1998, 120, 8199-8208.	6.6	323
7	Engineering of Complex Order and the Macroscopic Deformation of Liquid Crystal Polymer Networks. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12469-12472.	7.2	297
8	Photoinduced Electron Transfer in Hydrogen-Bonded Oligo(p-phenylene vinylene)-Perylene Bisimide Chiral Assemblies. <i>Journal of the American Chemical Society</i> , 2002, 124, 10252-10253.	6.6	292
9	Infrared Regulating Smart Window Based on Organic Materials. <i>Advanced Energy Materials</i> , 2017, 7, 1602209.	10.2	286
10	Fluorescent Nanoparticles Based on Self-Assembled π -Conjugated Systems. <i>Advanced Materials</i> , 2010, 22, 2985-2997.	11.1	281
11	Humidity-Responsive Liquid Crystalline Polymer Actuators with an Asymmetry in the Molecular Trigger That Bend, Fold, and Curl. <i>Journal of the American Chemical Society</i> , 2014, 136, 10585-10588.	6.6	280
12	Synthesis of n-Type Perylene Bisimide Derivatives and Their Orthogonal Self-Assembly with p-Type Oligo(p-phenylene vinylene)s. <i>Journal of the American Chemical Society</i> , 2004, 126, 10021-10027.	6.6	237
13	Functional Organic Materials Based on Polymerized Liquid-Crystal Monomers: Supramolecular Hydrogen-Bonded Systems. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7102-7109.	7.2	219
14	Supramolecular Organization of π -Disubstituted Sexithiophenes. <i>Journal of the American Chemical Society</i> , 2002, 124, 1269-1275.	6.6	211
15	Accordion-like Actuators of Multiple 3D Patterned Liquid Crystal Polymer Films. <i>Advanced Functional Materials</i> , 2014, 24, 1251-1258.	7.8	206
16	Chiral-nematic liquid crystals as one dimensional photonic materials in optical sensors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6695-6705.	2.7	192
17	Bioinspired light-driven soft robots based on liquid crystal polymers. <i>Chemical Society Reviews</i> , 2020, 49, 6568-6578.	18.7	172
18	Printable Optical Sensors Based on H-Bonded Supramolecular Cholesteric Liquid Crystal Networks. <i>Journal of the American Chemical Society</i> , 2012, 134, 7608-7611.	6.6	162

#	ARTICLE	IF	CITATIONS
19	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
20	Energy Transfer in Supramolecular Assemblies of Oligo(p-phenylene vinylene)s Terminated Poly(propylene imine) Dendrimers. <i>Journal of the American Chemical Society</i> , 2000, 122, 4489-4495.	6.6	154
21	An Artificial Nocturnal Flower via Humidity-Gated Photoactuation in Liquid Crystal Networks. <i>Advanced Materials</i> , 2019, 31, e1805985.	11.1	154
22	Improving color purity and stability in a blue emitting polyfluorene by monomer purification. <i>Journal of Materials Chemistry</i> , 2003, 13, 2861.	6.7	143
23	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
24	Stimuli-Responsive Materials Based on Interpenetrating Polymer Liquid Crystal Hydrogels. <i>Advanced Functional Materials</i> , 2015, 25, 3314-3320.	7.8	132
25	Humidity-Responsive Bilayer Actuators Based on a Liquid-Crystalline Polymer Network. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4945-4950.	4.0	127
26	A Rewritable, Reprogrammable, Dual Light-Responsive Polymer Actuator. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13436-13439.	7.2	127
27	Fluorene-based materials and their supramolecular properties. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4215-4233.	2.5	122
28	Stimuli-responsive photonic polymer coatings. <i>Chemical Communications</i> , 2014, 50, 15839-15848.	2.2	119
29	Programmed morphing of liquid crystal networks. <i>Polymer</i> , 2014, 55, 5885-5896.	1.8	119
30	Enhanced Amplified Spontaneous Emission in Perovskites Using a Flexible Cholesteric Liquid Crystal Reflector. <i>Nano Letters</i> , 2015, 15, 4935-4941.	4.5	117
31	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
32	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
33	Liquid crystal elastomer coatings with programmed response of surface profile. <i>Nature Communications</i> , 2018, 9, 456.	5.8	114
34	A Soft Transporter Robot Fueled by Light. <i>Advanced Science</i> , 2020, 7, 1902842.	5.6	112
35	Amorphous calcium carbonate stabilised by poly(propylene imine) dendrimers. <i>Chemical Communications</i> , 2000, , 1937-1938.	2.2	108
36	Pre- and Postfunctionalized Self-Assembled π -Conjugated Fluorescent Organic Nanoparticles for Dual Targeting. <i>Journal of the American Chemical Society</i> , 2011, 133, 17063-17071.	6.6	105

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37	Responsive Nanoporous Smectic Liquid Crystal Polymer Networks as Efficient and Selective Adsorbents. <i>Advanced Functional Materials</i> , 2014, 24, 5045-5051.	7.8	102
38	Electrically switchable polymer stabilised broadband infrared reflectors and their potential as smart windows for energy saving in buildings. <i>Scientific Reports</i> , 2015, 5, 11773.	1.6	102
39	Multicolour Self-Assembled Fluorene Co-Oligomers: From Molecules to the Solid State via White-Light-Emitting Organogels. <i>Chemistry - A European Journal</i> , 2009, 15, 9737-9746.	1.7	99
40	Full Color Camouflage in a Printable Photonic Blue-Colored Polymer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4168-4172.	4.0	97
41	Light-Responsive Hierarchically Structured Liquid Crystal Polymer Networks for Harnessing Cell Adhesion and Migration. <i>Advanced Materials</i> , 2017, 29, 1606407.	11.1	90
42	Direct Laser Writing of Four-Dimensional Structural Color Microactuators Using a Photonic Photoresist. <i>ACS Nano</i> , 2020, 14, 9832-9839.	7.3	89
43	Chiral Aggregates of β -Disubstituted Sexithiophenes in Protic and Aqueous Media. <i>Journal of the American Chemical Society</i> , 2000, 122, 1820-1821.	6.6	87
44	Liquid Crystal Networks on Thermoplastics: Reprogrammable Photo-Responsive Actuators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4532-4536.	7.2	84
45	Multistate Luminescent Solar Concentrator α -Smart-Windows. <i>Advanced Energy Materials</i> , 2018, 8, 1702922.	10.2	83
46	Dual light and temperature responsive cotton fabric functionalized with a surface-grafted spiropyran-NIPAAm-hydrogel. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8676-8681.	5.2	80
47	Humidity-gated, temperature-responsive photonic infrared reflective broadband coatings. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6113-6119.	5.2	80
48	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
49	Application of broadband infrared reflector based on cholesteric liquid crystal polymer bilayer film to windows and its impact on reducing the energy consumption in buildings. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14622.	5.2	77
50	Multicolour self-assembled particles of fluorene-based bolaamphiphiles. <i>Chemical Communications</i> , 2009, , 1697.	2.2	76
51	A Printable Optical Time-Temperature Integrator Based on Shape Memory in a Chiral Nematic Polymer Network. <i>Advanced Functional Materials</i> , 2013, 23, 2723-2727.	7.8	76
52	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
53	4D Printing of Liquid Crystals: What's Right for Me?. <i>Advanced Materials</i> , 2022, 34, e2104390.	11.1	75
54	Environmentally responsive photonic polymers. <i>Chemical Communications</i> , 2019, 55, 2880-2891.	2.2	74

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55	Fast exciton diffusion in chiral stacks of conjugated p-phenylene vinylene oligomers. <i>Physical Review B</i> , 2003, 68, .	1.1	73
56	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
57	Temperature-Responsive, Multicolor-Changing Photonic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28172-28179.	4.0	70
58	Transparent, High Thermal Conductivity Ultradrawn Polyethylene/Graphene Nanocomposite Films. <i>Advanced Materials</i> , 2019, 31, e1904348.	11.1	69
59	Regulating the modulus of a chiral liquid crystal polymer network by light. <i>Soft Matter</i> , 2016, 12, 3196-3201.	1.2	68
60	Side-Chain-Functionalized Polyacetylenes, 1. Liquid Crystalline and Stereomutational Properties. <i>Macromolecular Rapid Communications</i> , 2002, 23, 265-270.	2.0	67
61	Charge Separation and Recombination in Photoexcited Oligo(p-phenylene vinylene):Perylene Bisimide Arrays Close to the Marcus Inverted Region. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6933-6937.	1.1	64
62	Photoswitchable Ratchet Surface Topographies Based on Self-Protonating Spiropyran-NIPAAm Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7268-7274.	4.0	64
63	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
64	Light-responsive polymers for microfluidic applications. <i>Lab on A Chip</i> , 2018, 18, 699-709.	3.1	64
65	Directed Self-Assembly of Liquid-Crystalline Molecular Building Blocks for Sub-5 nm Nanopatterning. <i>Advanced Materials</i> , 2018, 30, 1703713.	11.1	64
66	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
67	3D Helix Engineering in Chiral Photonic Materials. <i>Advanced Materials</i> , 2019, 31, e1903120.	11.1	64
68	Singlet-energy transfer in quadruple hydrogen-bonded oligo(p-phenylenevinylene)-fullerene dyads. <i>Journal of Materials Chemistry</i> , 2002, 12, 2054-2060.	6.7	63
69	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
70	Well-Defined Metallo dendrimers by Site-Specific Complexation. <i>Chemische Berichte</i> , 1997, 130, 725-728.	0.2	61
71	An Optical Sensor for Volatile Amines Based on an Inkjet-Printed, Hydrogen-Bonded, Cholesteric Liquid Crystalline Film. <i>Advanced Optical Materials</i> , 2014, 2, 459-464.	3.6	60
72	Side Chains Control Dynamics and Self-Sorting in Fluorescent Organic Nanoparticles. <i>ACS Nano</i> , 2013, 7, 408-416.	7.3	58

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73	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
74	Surface-controlled self-assembly of chiral sexithiophenes. <i>Journal of Materials Chemistry</i> , 2004, 14, 1959-1963.	6.7	56
75	Brush-Paintable, 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
76	Temperature-Responsive Photonic Devices Based on Cholesteric Liquid Crystals. <i>Advanced Photonics Research</i> , 2021, 2, 2100016.	1.7	55
77	Nanoporous membranes based on liquid crystalline polymers. <i>Liquid Crystals</i> , 2011, 38, 1627-1639.	0.9	54
78	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
79	Photonic Shape Memory Polymer with Stable Multiple Colors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32161-32167.	4.0	52
80	Stable and scalable smart window based on polymer stabilized liquid crystals. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48917.	1.3	52
81	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
82	A full color photonic polymer, rewritable with a liquid crystal ink. <i>Chemical Communications</i> , 2018, 54, 4425-4428.	2.2	50
83	Photoresponsive Sponge-Like Coating for On-Demand Liquid Release. <i>Advanced Functional Materials</i> , 2018, 28, 1705942.	7.8	50
84	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
85	A Patterned Mechanochromic Photonic Polymer for Reversible Image Reveal. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901878.	1.9	50
86	Dual Light and Temperature Responsive Micrometer-Sized Structural Color Actuators. <i>Small</i> , 2020, 16, e1905219.	5.2	47
87	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
88	Quadruple hydrogen bonded oligo(p-phenylene vinylene) dimers. <i>Chemical Communications</i> , 2000, , 1969-1970.	2.2	45
89	Light-Responsive Smart Soft Matter Technologies. <i>Advanced Optical Materials</i> , 2019, 7, 1901160.	3.6	45
90	4D Chiral Photonic Actuators with Switchable Hyper-Reflectivity. <i>Advanced Functional Materials</i> , 2021, 31, 2007887.	7.8	45

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91	Synthesis of π -conjugated oligomer that can form metallo polymers. Journal of Polymer Science Part A, 2002, 40, 4020-4023.	2.5	44
92	Superior alignment of multi-chromophoric perylenebisimides in nematic liquid crystals and their application in switchable optical waveguides. Journal of Materials Chemistry A, 2013, 1, 229-232.	5.2	44
93	Photoswitchable Hydrogel Surface Topographies by Polymerisation-Induced Diffusion. Chemistry - A European Journal, 2013, 19, 10922-10927.	1.7	44
94	Air-Curable, High-Resolution Patternable Oxetane-Based Liquid Crystalline Photonic Films via Flexographic Printing. ACS Applied Materials & Interfaces, 2019, 11, 7423-7430.	4.0	44
95	Advanced Optical Materials for Sunlight Control in Greenhouses. Advanced Optical Materials, 2020, 8, 2000738.	3.6	43
96	Anisotropic Iridescence and Polarization Patterns in a Direct Ink Written Chiral Photonic Polymer. Advanced Materials, 2021, 33, e2103309.	11.1	43
97	Direct Ink Writing of 4D Structural Colors. Advanced Functional Materials, 2022, 32, .	7.8	43
98	Dichroic Perylene Bisimide Triad Displaying Energy Transfer in Switchable Luminescent Solar Concentrators. Chemistry of Materials, 2014, 26, 3876-3878.	3.2	42
99	Patterned Full-Color Reflective Coatings Based on Photonic Cholesteric Liquid-Crystalline Particles. ACS Applied Materials & Interfaces, 2019, 11, 14376-14382.	4.0	42
100	Size-Selective Adsorption in Nanoporous Polymers from Coumarin Photo-Cross-Linked Columnar Liquid Crystals. Macromolecules, 2018, 51, 2349-2358.	2.2	41
101	Discrete π -Stacks from Self-Assembled Perylenediimide Analogues. Angewandte Chemie - International Edition, 2019, 58, 15273-15277.	7.2	41
102	Enhanced Thermal Conductivity in Oriented Polyvinyl Alcohol/Graphene Oxide Composites. ACS Applied Materials & Interfaces, 2021, 13, 28864-28869.	4.0	41
103	Morphology-Dependent Energy Transfer Dynamics in Fluorene-Based Amphiphile Nanoparticles. ACS Nano, 2012, 6, 4777-4787.	7.3	40
104	Tunable Photonic Materials via Monitoring Step-Growth Polymerization Kinetics by Structural Colors. Advanced Functional Materials, 2020, 30, 1906833.	7.8	40
105	Water-responsive dual-coloured photonic polymer coatings based on cholesteric liquid crystals. RSC Advances, 2015, 5, 94650-94653.	1.7	39
106	Micrometer-Scale Porous Buckling Shell Actuators Based on Liquid Crystal Networks. Advanced Functional Materials, 2018, 28, 1801209.	7.8	39
107	Stimuli-Responsive Shape Changing Commodity Polymer Composites and Bilayers. ACS Applied Materials & Interfaces, 2020, 12, 38829-38844.	4.0	39
108	Electronic Structure and Optical Properties of Mixed Phenylene Vinylene/Phenylene Ethynylene Conjugated Oligomers. Chemistry of Materials, 2002, 14, 1362-1368.	3.2	38

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109	Patterned Silver Nanoparticles embedded in a Nanoporous Smectic Liquid Crystalline Polymer Network. <i>Journal of the American Chemical Society</i> , 2013, 135, 10922-10925.	6.6	38
110	Self-Assembled Fluorescent Organic Nanoparticles for Live-Cell Imaging. <i>Chemistry - A European Journal</i> , 2013, 19, 16646-16650.	1.7	38
111	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
112	Direct observation of chiral oligo(p-phenylenevinylene)s with scanning tunneling microscopy. <i>Journal of Materials Chemistry</i> , 2003, 13, 2164-2167.	6.7	37
113	Ultra-High Actuation Stress Polymer Actuators as Light-Driven Artificial Muscles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33210-33218.	4.0	36
114	Light-Driven Electrohydrodynamic Instabilities in Liquid Crystals. <i>Advanced Functional Materials</i> , 2018, 28, 1707436.	7.8	35
115	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
116	Combining Positive and Negative Dichroic Fluorophores for Advanced Light Management in Luminescent Solar Concentrators. <i>Advanced Optical Materials</i> , 2014, 2, 687-693.	3.6	34
117	Butterfly proboscis-inspired tight rolling tapered soft actuators. <i>Chemical Communications</i> , 2019, 55, 1726-1729.	2.2	34
118	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
119	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
120	Reversible Thermochromic Photonic Coatings with a Protective Topcoat. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3153-3160.	4.0	34
121	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
122	Two-dimensional pH-responsive printable smectic hydrogels. <i>Chemical Communications</i> , 2012, 48, 4555.	2.2	32
123	Light-Triggered Formation of Surface Topographies in Azo Polymers. <i>Crystals</i> , 2017, 7, 231.	1.0	32
124	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
125	Wavelength-Selective Photopolymerization of Hybrid Acrylate-Oxetane Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10935-10941.	7.2	32
126	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

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127	Metal Coordination and Aggregation Properties of Chiral Polythiophenes and Polythienylethylenes. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1809-1815.	2.0	30
128	Easily Processable Temperature-Responsive Infrared-Reflective Polymer Coatings. <i>ACS Omega</i> , 2017, 2, 3475-3482.	1.6	30
129	Nanoporous Polymers Based on Liquid Crystals. <i>Materials</i> , 2018, 11, 104.	1.3	30
130	Polymer Stabilized Cholesteric Liquid Crystal Siloxane for Temperature-Responsive Photonic Coatings. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1803.	1.8	30
131	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
132	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
133	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
134	Photoresponsive Passive Micromixers Based on Spiropyran Size-Tunable Hydrogels. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700086.	2.0	28
135	Reconfigurable and Preconfigurable Multistable Visible Light Responsive Surface Topographies. <i>Small</i> , 2018, 14, e1803274.	5.2	28
136	A self-sustained soft actuator able to rock and roll. <i>Chemical Communications</i> , 2019, 55, 11029-11032.	2.2	28
137	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
138	Patterned oscillating topographical changes in photoresponsive polymer coatings. <i>Soft Matter</i> , 2017, 13, 4321-4327.	1.2	27
139	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
140	Supramolecular organisation of oligo(p-phenylenevinylene) at the air-water interface and in water. <i>Perkin Transactions II RSC</i> , 2001, , 1280-1286.	1.1	26
141	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
142	Photonic Shape Memory Chiral Nematic Polymer Coatings with Changing Surface Topography and Color. <i>Advanced Optical Materials</i> , 2019, 7, 1900592.	3.6	26
143	Light-Driven Continual Oscillatory Rocking of a Polymer Film. <i>ChemistryOpen</i> , 2020, 9, 1149-1152.	0.9	26
144	High Thermal Conductivity in Anisotropic Aligned Polymeric Materials. <i>ACS Applied Polymer Materials</i> , 2021, 3, 578-587.	2.0	26

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145	Liquid Crystalline Oligo(p-phenylene vinylene)-Terminated Poly(propylene imine) Dendrimers. Synthesis and Characterization. <i>Macromolecules</i> , 2003, 36, 565-572.	2.2	25
146	Well-Adhering, Easily Producing Photonic Reflective Coatings for Plastic Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30008-30013.	4.0	25
147	One-Pot Synthesis of Melt-Processable Supramolecular Soft Actuators. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
148	3D Orientational Control in Self-Assembled Thin Films with Sub-5 nm Features by Light. <i>Small</i> , 2017, 13, 1701043.	5.2	24
149	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
150	Paintable Encapsulated Body-Temperature-Responsive Photonic Reflectors with Arbitrary Shapes. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3407-3412.	2.0	24
151	Self-assembly of amphiphilic gold nanoparticles decorated with a mixed shell of oligo(p-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlook	6.7	23
152	Liquid crystalline hydrogen bonded oligo(p-phenylenevinylene)s. <i>Journal of Materials Chemistry</i> , 2008, 18, 2968.	6.7	23
153	Photodimerization Processes in Self-Assembled Chiral Oligo(p-phenylenevinylene) Bolaamphiphiles. <i>Chemistry - an Asian Journal</i> , 2009, 4, 910-917.	1.7	23
154	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
155	Fluorescent Conjugated Polymer Dots versus Self-Assembled Small-Molecule Nanoparticles: What's the Difference?. <i>Chemistry - A European Journal</i> , 2013, 19, 10928-10934.	1.7	22
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