Shuai Huang

List of Publications by Year
in descending order

49 papers	1,714 citations	304602 22 h-index	289141 40 g-index
51 all docs	51 docs citations	51 times ranked	1267 citing authors

#	Article	IF	Citations
1	Ringâ€Opening Metathesis Polymerization of a Macrobicyclic Olefin Bearing a Sacrificial Silyloxide Bridge. Angewandte Chemie, 2022, 134, .	1.6	2
2	Ringâ€Opening Metathesis Polymerization of a Macrobicyclic Olefin Bearing a Sacrificial Silyloxide Bridge. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
3	Biodegradable and crosslinkable poly(propylene fumarate) liquid crystal polymers. Polymer Chemistry, 2022, 13, 1267-1273.	1.9	3
4	An ultrahigh fatigue resistant liquid crystal elastomer-based material enabled by liquid metal. Science China Materials, 2022, 65, 1679-1686.	3.5	6
5	RÃ¼cktitelbild: Ringâ€Opening Metathesis Polymerization of a Macrobicyclic Olefin Bearing a Sacrificial Silyloxide Bridge (Angew. Chem. 2/2022). Angewandte Chemie, 2022, 134, .	1.6	0
6	Synthesis and Self-Assembly of Alternating Heterodinucleoside Polytriazoles. Macromolecules, 2021, 54, 341-350.	2.2	0
7	A phase-dependent photoluminescent discotic liquid crystal bearing a graphdiyne substructure. Chemical Communications, 2021, 57, 911-914.	2.2	10
8	Hydrogen Bond Enhances Photomechanical Swing of Liquid-Crystalline Polymer Bilayer Films. ACS Applied Materials & Interfaces, 2021, 13, 6585-6596.	4.0	46
9	Supramolecular Chirality Transfer toward Chiral Aggregation: Asymmetric Hierarchical Selfâ€Assembly. Advanced Science, 2021, 8, 2002132.	5.6	124
10	Light-driven continuous rotating MÃ¶bius strip actuators. Nature Communications, 2021, 12, 2334.	5.8	69
11	Bioinspired Synergistic Photochromic Luminescence and Programmable Liquid Crystal Actuators. Angewandte Chemie, 2021, 133, 11347-11351.	1.6	28
12	Bioinspired Synergistic Photochromic Luminescence and Programmable Liquid Crystal Actuators. Angewandte Chemie - International Edition, 2021, 60, 11247-11251.	7.2	125
13	Photodeformable Liquid Crystalline Polymers Containing Functional Additives: Toward Photomanipulatable Intelligent Soft Systems. Small Structures, 2021, 2, 2100038.	6.9	58
14	Healable and Rearrangeable Networks of Liquid Crystal Elastomers Enabled by Diselenide Bonds. Angewandte Chemie, 2021, 133, 16530-16534.	1.6	16
15	Healable and Rearrangeable Networks of Liquid Crystal Elastomers Enabled by Diselenide Bonds. Angewandte Chemie - International Edition, 2021, 60, 16394-16398.	7.2	92
16	Optically Active Nucleobase-Functionalized Polynorbornenes Mimicking Double-Helix DNA. CCS Chemistry, 2021, 3, 1787-1796.	4.6	5
17	Covalent Adaptable Liquid Crystal Networks Enabled by Reversible Ring-Opening Cascades of Cyclic Disulfides. Journal of the American Chemical Society, 2021, 143, 12543-12551.	6.6	101
18	Intelligent Surfaces Thermally Switchable between the Highly Rough and Entirely Smooth States. Chinese Journal of Polymer Science (English Edition), 2021, 39, 1609-1616.	2.0	8

#	Article	IF	Citations
19	Light-fueled transient supramolecular assemblies in water as fluorescence modulators. Nature Communications, 2021, 12, 4993.	5.8	56
20	Photodeformable Liquid Crystalline Polymers Containing Functional Additives: Toward Photomanipulatable Intelligent Soft Systems. Small Structures, 2021, 2, 2170024.	6.9	7
21	Athermal and Soft Multiâ€Nanopatterning of Azopolymers: Phototunable Mechanical Properties. Angewandte Chemie - International Edition, 2020, 59, 4035-4042.	7.2	55
22	Athermal and Soft Multiâ€Nanopatterning of Azopolymers: Phototunable Mechanical Properties. Angewandte Chemie, 2020, 132, 4064-4071.	1.6	15
23	Designing seamless-welded liquid-crystalline soft actuators with a â€œglue-freeâ€•method by dynamic boroxines. Polymer, 2020, 208, 122962.	1.8	18
24	Organicâ€“inorganic hybrid liquid crystals of azopyridine-enabled halogen-bonding towards sensing in aquatic environment. RSC Advances, 2020, 10, 35873-35877.	1.7	8
25	Liquid crystal elastomer actuator with serpentine locomotion. Chemical Communications, 2020, 56, 7597-7600.	2.2	34
26	A copper(i)-catalyzed azideâ€“alkyne click chemistry approach towards multifunctional two-way shape-memory actuators. Polymer Chemistry, 2020, 11, 3747-3755.	1.9	13
27	Cooperative and Independent Effect of Modular Functionalization on Mesomorphic Performances and Microphase Separation of Wellâ€Designed Liquid Crystalline Diblock Copolymers. Chemistry - A European Journal, 2020, 26, 11199-11208.	1.7	5
28	Nanoporous Supramolecular Liquid Crystal Polymeric Material for Specific and Selective Uptake of Melamine. Macromolecules, 2020, 53, 4204-4213.	2.2	13
29	Liquid Crystal Elastomer Electric Locomotives. ACS Macro Letters, 2020, 9, 860-865.	2.3	55
30	Determination of refractive index increment of synthetic polybutadienes and microstructural control of grafting density and liquid crystalline properties. Polymer Chemistry, 2020, 11, 2559-2567.	1.9	7
31	An â€œinverted loadâ€•strategy to fabricate interface-optimized flexible electrodes with superior electrochemical performance and ultrastability. Journal of Materials Chemistry C, 2020, 8, 11128-11137.	2.7	0
32	RÃ¼cktitelbild: Athermal and Soft Multiâ€Nanopatterning of Azopolymers: Phototunable Mechanical Properties (Angew. Chem. 10/2020). Angewandte Chemie, 2020, 132, 4212-4212.	1.6	0
33	Enhanced Ordering and Efficient Photoalignment of Nanostructures in Block Copolymers Enabled by Halogen Bond. Macromolecules, 2020, 53, 1486-1493.	2.2	22
34	Flexible Solar Thermal Fuel Devices: Composites of Fabric and a Photoliquefiable Azobenzene Derivative. Advanced Energy Materials, 2019, 9, 1901363.	10.2	60
35	UVâ€“visâ€“NIR light-induced bending of shape-memory polyurethane composites doped with azobenzene and upconversion nanoparticles. Polymer, 2019, 178, 121644.	1.8	34
36	Energy Storage: Flexible Solar Thermal Fuel Devices: Composites of Fabric and a Photoliquefiable Azobenzene Derivative (Adv. Energy Mater. 37/2019). Advanced Energy Materials, 2019, 9, 1970145.	10.2	2

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37	Photoinduced multi-directional deformation of azobenzene molecular crystals. Journal of Materials Chemistry C, 2019, 7, 503-508.	2.7	48
38	Supramolecular Liquid-Crystalline Polymer Organogel: Fabrication, Multiresponsiveness, and Holographic Switching Properties. Chemistry of Materials, 2019, 31, 3388-3394.	3.2	51
39	Confined Self-Assembly Enables Stabilization and Patterning of Nanostructures in Liquid-Crystalline Block Copolymers. Macromolecules, 2019, 52, 1892-1898.	2.2	24
40	A Lightâ€Activated Polymer Composite Enables Onâ€Demand Photocontrolled Motion: Transportation at the Liquid/Air Interface. Angewandte Chemie, 2019, 131, 2681-2685.	1.6	51
41	A Lightâ€Activated Polymer Composite Enables Onâ€Demand Photocontrolled Motion: Transportation at the Liquid/Air Interface. Angewandte Chemie - International Edition, 2019, 58, 2655-2659.	7.2	151
42	Hydrogen Bond Induces Hierarchical Selfâ€Assembly in Liquidâ€Crystalline Block Copolymers. Macromolecular Rapid Communications, 2018, 39, e1700783.	2.0	13
43	Macromol. Rapid Commun. 6/2018. Macromolecular Rapid Communications, 2018, 39, 1870017.	2.0	1
44	Hierarchical Selfâ€Assembly in Liquidâ€Crystalline Block Copolymers Enabled by Chirality Transfer. Angewandte Chemie, 2018, 130, 12704-12708.	1.6	17
45	Hierarchical Selfâ€Assembly in Liquidâ€Crystalline Block Copolymers Enabled by Chirality Transfer. Angewandte Chemie - International Edition, 2018, 57, 12524-12528.	7.2	74
46	Photomechanical Motion of Liquid-Crystalline Fibers Bending Away from a Light Source. Macromolecules, 2017, 50, 8317-8324.	2.2	100
47	Vertical Orientation of Nanocylinders in Liquid-Crystalline Block Copolymers Directed by Light. ACS Applied Materials & Interfaces, 2017, 9, 24864-24872.	4.0	42
48	Nonfullerene acceptor with strong near-infrared absorption for polymer solar cells. Dyes and Pigments, 2017, 137, 553-559.	2.0	14
49	Perylene and naphthalene diimide copolymers for allâ€polymer solar cells: Effect of perylene/naphthalene ratio. Journal of Polymer Science Part A, 2017, 55, 682-689.	2.5	19