Min-Hui Li

List of Publications by Year
in descending order

61 papers	3,420 citations	159585 30 h-index	138484 58 g-index
64 all docs	64 docs citations	64 times ranked	3476 citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-responsive polymer vesicles. Soft Matter, 2009, 5, 927.	2.7	451
2	Micro-Actuators:Â When Artificial Muscles Made of Nematic Liquid Crystal Elastomers Meet Soft Lithography. Journal of the American Chemical Society, 2006, 128, 1088-1089.	13.7	329
3	Artificial muscles based on liquid crystal elastomers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 2763-2777.	3.4	234
4	Self-Assembly of Linearâ˘'Dendritic Diblock Copolymers: From Nanofibers to Polymersomes. Journal of the American Chemical Society, 2010, 132, 3762-3769.	13.7	192
5	Bursting of sensitive polymersomes induced by curling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7294-7298.	7.1	175
6	Fully Biobased Vitrimers from Glycyrrhizic Acid and Soybean Oil for Self-Healing, Shape Memory, Weldable, and Recyclable Materials. ACS Sustainable Chemistry and Engineering, 2020, 8, 6479-6487.	6.7	134
7	Reduction-Responsive Cholesterol-Based Block Copolymer Vesicles for Drug Delivery. Biomacromolecules, 2014, 15, 2206-2217.	5.4	108
8	Fluorescent Polymersomes with Aggregation-Induced Emission. ACS Nano, 2018, 12, 4025-4035.	14.6	100
9	Smectic polymer vesicles. Soft Matter, 2009, 5, 3446.	2.7	90
10	Self-Assembly of PEG-<i>b</i>-Liquid Crystal Polymer:â€‰ The Role of Smectic Order in the Formation of Nanofibers. Macromolecules, 2007, 40, 5625-5627.	4.8	79
11	Morphology of nematic and smectic vesicles. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5202-5206.	7.1	76
12	Smectic polymer micellar aggregates with temperature-controlled morphologies. Soft Matter, 2011, 7, 7395.	2.7	74
13	Novel Liquid Crystalline Block Copolymers by ATRP and ROMP. Macromolecules, 2003, 36, 2284-2292.	4.8	72
14	CO₂â€Activated Reversible Transition between Polymersomes and Micelles with AIE Fluorescence. Angewandte Chemie - International Edition, 2019, 58, 10260-10265.	13.8	66
15	Polymer vesicles formed by amphiphilic diblock copolymers containing a thermotropic liquid crystalline polymer block. Chemical Communications, 2005, , 4345.	4.1	61
16	Synthesis via RAFT of Amphiphilic Block Copolymers with Liquid-Crystalline Hydrophobic Block and Their Self-Assembly in Water. Macromolecules, 2009, 42, 8688-8696.	4.8	59
17	Light-responsive wires from side-on liquid crystalline azo polymers. Liquid Crystals, 2009, 36, 1023-1029.	2.2	56
18	Self-assembly of amphiphilic liquid crystal block copolymers containing a cholesteryl mesogen: Effects of block ratio and solvent. Polymer, 2011, 52, 2565-2575.	3.8	56

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19	Formation of Polymer Vesicles by Liquid Crystal Amphiphilic Block Copolymers. Langmuir, 2006, 22, 7907-7911.	3.5	55
20	Self-assembly of liquid crystal block copolymer PEG-b-smectic polymer in pure state and in dilute aqueous solution. Faraday Discussions, 2009, 143, 235.	3.2	55
21	Azobenzene-Containing Liquid Crystal Triblock Copolymers: Synthesis, Characterization, and Self-Assembly Behavior. Macromolecules, 2008, 41, 2459-2466.	4.8	51
22	Poly(Îµ-caprolactone)-<i>block</i>-polysarcosine by Ring-Opening Polymerization of Sarcosine <i>N</i>-Thiocarboxyanhydride: Synthesis and Thermoresponsive Self-Assembly. Biomacromolecules, 2015, 16, 3265-3274.	5.4	48
23	Liquid crystal gelators with photo-responsive and AIE properties. Materials Chemistry Frontiers, 2018, 2, 2245-2253.	5.9	46
24	An azobenzene-containing side-on liquid crystal polymer. Liquid Crystals, 2000, 27, 1497-1502.	2.2	45
25	Physical stimuli-responsive liposomes and polymersomes as drug delivery vehicles based on phase transitions in the membrane. Nanoscale, 2018, 10, 6781-6800.	5.6	45
26	Cancer cell discrimination and dynamic viability monitoring through wash-free bioimaging using AIEgens. Chemical Science, 2020, 11, 7676-7684.	7.4	45
27	Î±-Amino acid N-thiocarboxyanhydrides: A novel synthetic approach toward poly(Î±-amino acid)s. European Polymer Journal, 2018, 109, 26-42.	5.4	41
28	Oxidation-Sensitive Polymersomes Based on Amphiphilic Diblock Copolypeptoids. Biomacromolecules, 2019, 20, 3435-3444.	5.4	40
29	Amphiphilic Poly(ethylene oxide)-<i>block</i>-poly(butadiene-<i>graft</i>-liquid crystal) Copolymers: Synthesis and Self-Assembly in Water. Macromolecules, 2010, 43, 10442-10451.	4.8	33
30	Natural glycyrrhizic acid: improving stress relaxation rate and glass transition temperature simultaneously in epoxy vitrimers. Green Chemistry, 2021, 23, 5647-5655.	9.0	33
31	Fluorescent polymer cubosomes and hexosomes with aggregation-induced emission. Chemical Science, 2021, 12, 5495-5504.	7.4	31
32	Liquid-Crystalline Polymethacrylates by Atom-Transfer Radical Polymerization at Ambient Temperature. Macromolecular Chemistry and Physics, 2002, 203, 619-626.	2.2	29
33	Deep-Red Aggregation-Induced Emission Luminogen Based on Dithiofuvalene-Fused Benzothiadiazole for Lipid Droplet-Specific Imaging. , 2022, 4, 159-164.		28
34	Light-Gated Nano-Porous Capsules from Stereoisomer-Directed Self-Assemblies. ACS Nano, 2021, 15, 884-893.	14.6	27
35	Self-Assembly of Amphiphilic Liquid Crystal Polymers Obtained from a Cyclopropane-1,1-Dicarboxylate Bearing a Cholesteryl Mesogen. Langmuir, 2012, 28, 11215-11224.	3.5	25
36	Photosensitization of polymer vesicles: a multistep chemical process deciphered by micropipette manipulation. Soft Matter, 2010, 6, 4863.	2.7	23

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37	Unusual light-driven amplification through unexpected regioselective photogeneration of five-membered azaheterocyclic AIEgen. Chemical Science, 2021, 12, 709-717.	7.4	23
38	AIE Fluorescent Gelators with Thermoâ€ Mechanoâ€ and Vapochromic Properties. Chemistry - an Asian Journal, 2019, 14, 781-788.	3.3	22
39	Transition from smectic nanofibers to smectic vesicles in the self-assemblies of PEG-b-liquid crystal polycarbonates. Polymer Chemistry, 2017, 8, 4776-4780.	3.9	21
40	Recent Progress in Fluorescent Vesicles with Aggregation-induced Emission. Chinese Journal of Polymer Science (English Edition), 2019, 37, 352-371.	3.8	21
41	Polymersomes with aggregation-induced emission based on amphiphilic block copolypeptoids. Chemical Communications, 2019, 55, 13530-13533.	4.1	21
42	Thermo-mechanical and photo-luminescence properties of micro-actuators made of liquid crystal elastomers with cyano-oligo(<i>p</i>-phenylene vinylene) crosslinking bridges. Materials Chemistry Frontiers, 2019, 3, 2499-2506.	5.9	19
43	Synthesis and self-assembly of poly(ethylene glycol)-block-poly(N-3-(methylthio)propyl glycine) and their oxidation-sensitive polymersomes. Chinese Chemical Letters, 2020, 31, 1931-1935.	9.0	19
44	Recent Progress in Polymer Cubosomes and Hexosomes. Macromolecular Rapid Communications, 2021, 42, e2100194.	3.9	19
45	Liquid crystalline polymer vesicles: thermotropic phases in lyotropic structures. Liquid Crystals, 2014, 41, 368-384.	2.2	18
46	Direct preparation of nematic liquid crystalline elastomer actuators by electron beam irradiation polymerization. Journal of Materials Chemistry, 2012, 22, 4669.	6.7	14
47	Color Modulation in <i>Morpho</i> Butterfly Wings Using Liquid Crystalline Elastomers. Advanced Intelligent Systems, 2020, 2, 2000035.	6.1	13
48	Customizable Sophisticated Three-Dimensional Shape Changes of Large-Size Liquid Crystal Elastomer Actuators. ACS Applied Materials & Interfaces, 2021, 13, 54439-54446.	8.0	13
49	CO 2 â€Activated Reversible Transition between Polymersomes and Micelles with AIE Fluorescence. Angewandte Chemie, 2019, 131, 10366-10371.	2.0	12
50	A simple PVA/Cu(OAc)2 thermogel with an inherent near-infrared light response and its applications in smart windows and photoresistors. Journal of Materials Chemistry A, 2020, 8, 17800-17807.	10.3	10
51	Large-Size Honeycomb-Shaped and Iris-Like Liquid Crystal Elastomer Actuators. CCS Chemistry, 2022, 4, 847-854.	7.8	10
52	Temperature tunable optical gratings in nematic elastomer. Applied Physics A: Materials Science and Processing, 2010, 98, 119-122.	2.3	9
53	Trans/cis-stereoisomers of triterpenoid-substituted tetraphenylethene: aggregation-induced emission, aggregate morphology, and mechano-chromism. Nanoscale, 2021, 13, 15257-15266.	5.6	9
54	Amphiphilic polymers for aggregation-induced emission at air/liquid interfaces. Journal of Colloid and Interface Science, 2021, 596, 324-331.	9.4	8

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55	Morphology study of a series of azobenzene-containing side-on liquid crystalline triblock copolymers. Chinese Journal of Polymer Science (English Edition), 2012, 30, 258-268.	3.8	6
56	Nanoporous Vesicular Membranes of Amphiphilic Polymers Containing <i>Trans</i> / <i>Cis</i> Isomers. CCS Chemistry, 2022, 4, 2651-2661.	7.8	6
57	Tough Polymeric Hydrogels Formed by Natural Glycyrrhetinic Acid-Tailored Hostâ€“Guest Macro-Cross-Linking toward Biocompatible Materials. ACS Applied Polymer Materials, 2019, 1, 2577-2581.	4.4	5
58	Polymersomes with a smectic liquid crystal structure and AIE fluorescence. Polymer Chemistry, 2022, 13, 1107-1115.	3.9	5
59	Plasmaâ€Induced Polymerizations: A New Synthetic Entry in Liquid Crystal Elastomer Actuators. Macromolecular Rapid Communications, 2020, 41, e2000385.	3.9	2
60	Fabrication of chiral polydiacetylene nanotubes <i>via</i> supramolecular gelation of a triterpenoid-derived amphiphile. Materials Advances, 2021, 2, 3014-3019.	5.4	2
61	Biobased thermosensitive polyrotaxanes constructed by polymerization of cyclodextrin-triterpenoid inclusion complexes. Polymer Chemistry, 2020, 11, 6492-6498.	3.9	1