Ruyi Sun

List of Publications by Year
in descending order

42 papers	952 citations	567281 15 h-index	454955 30 g-index
42 all docs	42 docs citations	42 times ranked	1095 citing authors

#	Article	IF	Citations
1	Solvent-free stretchable photo-responsive supramolecular actuator topologically cross-linked by azobenzene-cyclodextrin based slide-ring system. Dyes and Pigments, 2022, 200, 110120.	3.7	3
2	Synthesis of conjugated segment-based cyclic polymers for direct imaging of the cyclic molecular topology. Chemical Communications, 2022, 58, 4340-4343.	4.1	6
3	Tandem metathesis depolymerization and cyclopolymerization toward flexibleâ€“rigid block copolymers with unique damping properties. Polymer Chemistry, 2022, 13, 3670-3680.	3.9	2
4	Efficient Synthesis and Cyclic Molecular Topology of Ultralarge-Sized Bicyclic and Tetracyclic Polymers. Macromolecules, 2022, 55, 4341-4352.	4.8	4
5	Ionic polyacetylene with a unique nanostructure and high stability by metathesis cyclopolymerization-induced self-assembly. Polymer Chemistry, 2021, 12, 4205-4213.	3.9	0
6	Waxy rice amylopectin towards stretchable elastic conductive hydrogel for human motion detection. New Journal of Chemistry, 2021, 45, 4210-4218.	2.8	6
7	Photoswitchable Ion-Conducting Supramolecular Hydrogel Showing Adverse Photoconductivity Triggered by Anion Exchange. ACS Applied Polymer Materials, 2021, 3, 4563-4571.	4.4	8
8	Synthesis of dielectric polymers with bipyridyl ligand and metal complex by ring-opening metathesis polymerization. Polymer, 2021, 231, 124127.	3.8	4
9	Stiffness switchable supramolecular hydrogels by photo-regulating crosslinking status. Dyes and Pigments, 2020, 177, 108288.	3.7	19
10	Incorporating trifunctional 1,6-heptadiyne moiety into polyacetylene ionomer for improving its physical and conductive properties. Polymer Chemistry, 2020, 11, 3322-3331.	3.9	9
11	Multiwavelength Anti-Kashaâ€™s Rule Emission on Self-Assembly of Azulene-Functionalized Persulfurated Arene. Journal of Physical Chemistry C, 2019, 123, 22511-22518.	3.1	29
12	Enhanced dielectric and electrical energy storage capability of polymers with combined azobenzene and triphenylamine side groups by ring-opening metathesis polymerization. Polymer, 2019, 184, 121886.	3.8	13
13	Sustainable elastomer of triazolinedione-modified Eucommia ulmoides gum with enhanced elasticity and shape memory capability. Polymer, 2019, 184, 121904.	3.8	28
14	A Multiresponsive Hydrophobic Associating Hydrogel Based on Azobenzene and Spiropyran. Chinese Journal of Chemistry, 2019, 37, 793-798.	4.9	13
15	Binary Modification of Eucommia ulmoides Gum Toward Elastomer with Tunable Mechanical Properties and Good Compatibility. Journal of Polymer Science Part A, 2019, 57, 1247-1255.	2.3	20
16	Azobenzene-functionalized polymers by ring-opening metathesis polymerization for high dielectric and energy storage performance. Polymer Chemistry, 2019, 10, 2447-2455.	3.9	19
17	Photoregulating of Stretchability and Toughness of a Selfâ€Healable Polymer Hydrogel. Macromolecular Rapid Communications, 2018, 39, e1800018.	3.9	22
18	Rational Design and Modification of High-k Bis(double-stranded) Block Copolymer for High Electrical Energy Storage Capability. Chemistry of Materials, 2018, 30, 1102-1112.	6.7	56

#	Article	IF	Citations
19	Enhanced Ionic and Electronic Conductivity of Polyacetylene with Dendritic 1,2,3â€Triazoliumâ€Oligo(ethylene glycol) Pendants. Macromolecular Chemistry and Physics, 2018, 219, 1800025.	2.2	5
20	Blocking-cyclization technique for precise synthesis of cyclic polymers with regulated topology. Nature Communications, 2018, 9, 5310.	12.8	27
21	Tandem Metathesis Polymerization-Induced Self-Assembly to Nanostructured Block Copolymer and the Controlled Triazolinedione Modification for Enhancing Dielectric Properties. Macromolecules, 2018, 51, 10202-10213.	4.8	35
22	Hybrid triazolium and ammonium ions-contained hyperbranched polymer with enhanced ionic conductivity. Polymer, 2017, 112, 297-305.	3.8	9
23	Multiple polarizations and nanostructure of double-stranded conjugated block copolymer for enhancing dielectric performance. Materials Letters, 2017, 208, 95-97.	2.6	9
24	A high-performance dielectric block copolymer with a self-assembled superhelical nanotube morphology. Polymer Chemistry, 2017, 8, 725-734.	3.9	31
25	Double-stranded block copolymer with dual-polarized linker for improving dielectric and electrical energy storage performance. Polymer, 2017, 127, 259-268.	3.8	17
26	Fluorescent Linear Supramolecular Polymer Based on Hostâ€Guest Interactions. Chinese Journal of Chemistry, 2017, 35, 1669-1672.	4.9	6
27	Responsiveness and Morphology Study of Dual Stimuliâ€Controlled Supramolecular Polymer. Macromolecular Rapid Communications, 2017, 38, 1700358.	3.9	7
28	Metathesis cyclopolymerization of substituted 1,6â€heptadiyne and dual conductivity of doped polyacetylene bearing branched triazole pendants. Journal of Polymer Science Part A, 2017, 55, 485-494.	2.3	13
29	Branched 1,2,3-Triazolium-Functionalized Polyacetylene with Enhanced Conductivity. Macromolecular Rapid Communications, 2016, 37, 2017-2022.	3.9	14
30	Photo and redox dual-stimuli-directed reversible disassembly and reassembly of linear supramolecular polymer formed by orthogonal host-guest molecular recognition. Dyes and Pigments, 2016, 132, 336-341.	3.7	14
31	Cyclodextrin-based ordered rotaxane-monolayers at gold surfaces. RSC Advances, 2016, 6, 73527-73533.	3.6	2
32	High-performance dielectric ionic ladderphane-derived triblock copolymer with a unique self-assembled nanostructure. RSC Advances, 2016, 6, 88874-88885.	3.6	17
33	Synthesis of triazole-dendronized polyacetylenes by metathesis cyclopolymerization and their conductivity. Polymer Chemistry, 2016, 7, 4912-4923.	3.9	13
34	Synthesis and conductivity of hyperbranched poly(triazolium)s with various end-capping groups. Polymer Chemistry, 2016, 7, 633-642.	3.9	21
35	Hyperbranched poly(triazole) with thermal and metal ion dual stimuli-responsiveness. Polymer Chemistry, 2015, 6, 4801-4808.	3.9	18
36	Metathesis Cyclopolymerization of 1,6-Heptadiyne Derivative toward Triphenylamine-Functionalized Polyacetylene with Excellent Optoelectronic Properties and Nanocylinder Morphology. Macromolecules, 2015, 48, 2378-2387.	4.8	26

#	Article	IF	Citations
37	Light driven bent linear supramolecular polymer. Tetrahedron, 2015, 71, 3216-3220.	1.9	2
38	Nanostructured high-performance dielectric block copolymers. Chemical Communications, 2015, 51, 15320-15323.	4.1	31
39	Metathesis Cyclopolymerization of Imidazolium-Functionalized 1,6-Heptadiyne toward Polyacetylene Ionomer. Macromolecules, 2014, 47, 6181-6188.	4.8	32
40	Light-Driven Linear Helical Supramolecular Polymer Formed by Molecular-Recognition-Directed Self-Assembly of Bis(p-sulfonatocalix[4]arene) and Pseudorotaxane. Journal of the American Chemical Society, 2013, 135, 5990-5993.	13.7	247
41	Novel supramolecular CT polymer employing disparate pseudorotaxanes asÂrelevant monomers. Polymer, 2013, 54, 2506-2510.	3.8	12
42	Novel electrochemical and pH stimulus-responsive supramolecular polymer with disparate pseudorotaxanes as relevant unimers. Polymer Chemistry, 2011, 2, 1068-1070.	3.9	83