

# Ruyi Sun

## List of Publications by Year in descending order

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42  
papers

952  
citations

567281

15  
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454955

30  
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42  
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42  
times ranked

1095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Driven Linear Helical Supramolecular Polymer Formed by Molecular-Recognition-Directed Self-Assembly of Bis( <i>p</i> -sulfonatocalix[4]arene) and Pseudorotaxane. <i>Journal of the American Chemical Society</i> , 2013, 135, 5990-5993.	13.7	247
2	Novel electrochemical and pH stimulus-responsive supramolecular polymer with disparate pseudorotaxanes as relevant unimers. <i>Polymer Chemistry</i> , 2011, 2, 1068-1070.	3.9	83
3	Rational Design and Modification of High- <i>k</i> Bis(double-stranded) Block Copolymer for High Electrical Energy Storage Capability. <i>Chemistry of Materials</i> , 2018, 30, 1102-1112.	6.7	56
4	Tandem Metathesis Polymerization-Induced Self-Assembly to Nanostructured Block Copolymer and the Controlled Triazolinedione Modification for Enhancing Dielectric Properties. <i>Macromolecules</i> , 2018, 51, 10202-10213.	4.8	35
5	Metathesis Cyclopolymerization of Imidazolium-Functionalized 1,6-Heptadiyne toward Polyacetylene Ionomer. <i>Macromolecules</i> , 2014, 47, 6181-6188.	4.8	32
6	Nanostructured high-performance dielectric block copolymers. <i>Chemical Communications</i> , 2015, 51, 15320-15323.	4.1	31
7	A high-performance dielectric block copolymer with a self-assembled superhelical nanotube morphology. <i>Polymer Chemistry</i> , 2017, 8, 725-734.	3.9	31
8	Multiwavelength Anti-Kasha's Rule Emission on Self-Assembly of Azulene-Functionalized Persulfurated Arene. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22511-22518.	3.1	29
9	Sustainable elastomer of triazolinedione-modified <i>Eucommia ulmoides</i> gum with enhanced elasticity and shape memory capability. <i>Polymer</i> , 2019, 184, 121904.	3.8	28
10	Blocking-cyclization technique for precise synthesis of cyclic polymers with regulated topology. <i>Nature Communications</i> , 2018, 9, 5310.	12.8	27
11	Metathesis Cyclopolymerization of 1,6-Heptadiyne Derivative toward Triphenylamine-Functionalized Polyacetylene with Excellent Optoelectronic Properties and Nanocylinder Morphology. <i>Macromolecules</i> , 2015, 48, 2378-2387.	4.8	26
12	Photoregulating of Stretchability and Toughness of a Self-Healable Polymer Hydrogel. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800018.	3.9	22
13	Synthesis and conductivity of hyperbranched poly(triazolium)s with various end-capping groups. <i>Polymer Chemistry</i> , 2016, 7, 633-642.	3.9	21
14	Binary Modification of <i>Eucommia ulmoides</i> Gum Toward Elastomer with Tunable Mechanical Properties and Good Compatibility. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1247-1255.	2.3	20
15	Azobenzene-functionalized polymers by ring-opening metathesis polymerization for high dielectric and energy storage performance. <i>Polymer Chemistry</i> , 2019, 10, 2447-2455.	3.9	19
16	Stiffness switchable supramolecular hydrogels by photo-regulating crosslinking status. <i>Dyes and Pigments</i> , 2020, 177, 108288.	3.7	19
17	Hyperbranched poly(triazole) with thermal and metal ion dual stimuli-responsiveness. <i>Polymer Chemistry</i> , 2015, 6, 4801-4808.	3.9	18
18	High-performance dielectric ionic ladderphane-derived triblock copolymer with a unique self-assembled nanostructure. <i>RSC Advances</i> , 2016, 6, 88874-88885.	3.6	17

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19	Double-stranded block copolymer with dual-polarized linker for improving dielectric and electrical energy storage performance. <i>Polymer</i> , 2017, 127, 259-268.	3.8	17
20	Branched 1,2,3-Triazolium-Functionalized Polyacetylene with Enhanced Conductivity. <i>Macromolecular Rapid Communications</i> , 2016, 37, 2017-2022.	3.9	14
21	Photo and redox dual-stimuli-directed reversible disassembly and reassembly of linear supramolecular polymer formed by orthogonal host-guest molecular recognition. <i>Dyes and Pigments</i> , 2016, 132, 336-341.	3.7	14
22	Synthesis of triazole-dendronized polyacetylenes by metathesis cyclopolymerization and their conductivity. <i>Polymer Chemistry</i> , 2016, 7, 4912-4923.	3.9	13
23	Metathesis cyclopolymerization of substituted 1,6-heptadiyne and dual conductivity of doped polyacetylene bearing branched triazole pendants. <i>Journal of Polymer Science Part A</i> , 2017, 55, 485-494.	2.3	13
24	Enhanced dielectric and electrical energy storage capability of polymers with combined azobenzene and triphenylamine side groups by ring-opening metathesis polymerization. <i>Polymer</i> , 2019, 184, 121886.	3.8	13
25	A Multiresponsive Hydrophobic Associating Hydrogel Based on Azobenzene and Spiropyran. <i>Chinese Journal of Chemistry</i> , 2019, 37, 793-798.	4.9	13
26	Novel supramolecular CT polymer employing disparate pseudorotaxanes as relevant monomers. <i>Polymer</i> , 2013, 54, 2506-2510.	3.8	12
27	Hybrid triazolium and ammonium ions-contained hyperbranched polymer with enhanced ionic conductivity. <i>Polymer</i> , 2017, 112, 297-305.	3.8	9
28	Multiple polarizations and nanostructure of double-stranded conjugated block copolymer for enhancing dielectric performance. <i>Materials Letters</i> , 2017, 208, 95-97.	2.6	9
29	Incorporating trifunctional 1,6-heptadiyne moiety into polyacetylene ionomer for improving its physical and conductive properties. <i>Polymer Chemistry</i> , 2020, 11, 3322-3331.	3.9	9
30	Photoswitchable Ion-Conducting Supramolecular Hydrogel Showing Adverse Photoconductivity Triggered by Anion Exchange. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4563-4571.	4.4	8
31	Responsiveness and Morphology Study of Dual Stimuli-Controlled Supramolecular Polymer. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700358.	3.9	7
32	Fluorescent Linear Supramolecular Polymer Based on Host-Guest Interactions. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1669-1672.	4.9	6
33	Waxy rice amylopectin towards stretchable elastic conductive hydrogel for human motion detection. <i>New Journal of Chemistry</i> , 2021, 45, 4210-4218.	2.8	6
34	Synthesis of conjugated segment-based cyclic polymers for direct imaging of the cyclic molecular topology. <i>Chemical Communications</i> , 2022, 58, 4340-4343.	4.1	6
35	Enhanced Ionic and Electronic Conductivity of Polyacetylene with Dendritic 1,2,3-Triazolium-Oligo(ethylene glycol) Pendants. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800025.	2.2	5
36	Synthesis of dielectric polymers with bipyridyl ligand and metal complex by ring-opening metathesis polymerization. <i>Polymer</i> , 2021, 231, 124127.	3.8	4

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37	Efficient Synthesis and Cyclic Molecular Topology of Ultralarge-Sized Bicyclic and Tetracyclic Polymers. <i>Macromolecules</i> , 2022, 55, 4341-4352.	4.8	4
38	Solvent-free stretchable photo-responsive supramolecular actuator topologically cross-linked by azobenzene-cyclodextrin based slide-ring system. <i>Dyes and Pigments</i> , 2022, 200, 110120.	3.7	3
39	Light driven bent linear supramolecular polymer. <i>Tetrahedron</i> , 2015, 71, 3216-3220.	1.9	2
40	Cyclodextrin-based ordered rotaxane-monolayers at gold surfaces. <i>RSC Advances</i> , 2016, 6, 73527-73533.	3.6	2
41	Tandem metathesis depolymerization and cyclopolymerization toward flexible-rigid block copolymers with unique damping properties. <i>Polymer Chemistry</i> , 2022, 13, 3670-3680.	3.9	2
42	Ionic polyacetylene with a unique nanostructure and high stability by metathesis cyclopolymerization-induced self-assembly. <i>Polymer Chemistry</i> , 2021, 12, 4205-4213.	3.9	0