

# Progressive Macromolecular Self-Assembly: From Bio- Materials

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Self-Oscillating Vesicles: Spontaneous Cyclic Structural Changes of Synthetic Diblock Copolymers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11248-11252.	7.2	62
3	Thermo, pH and reduction responsive coaggregates comprising AB <sub>2</sub> C <sub>2</sub> star terpolymers for multi-triggered release of doxorubicin. <i>Polymer Chemistry</i> , 2014, 5, 3335-3345.	1.9	38
4	Foldamers to Nanotubes: Influence of Amino Acid Side Chains in the Hierarchical Assembly of $\beta$ -Hybrid Peptide Helices. <i>Chemistry - A European Journal</i> , 2014, 20, 16523-16528.	1.7	21
5	Catechol Chemistry Inspired Approach to Construct Self-Cross-Linked Polymer Nanolayers as Versatile Biointerfaces. <i>Langmuir</i> , 2014, 30, 14905-14915.	1.6	54
6	Programming Supramolecular Biohybrids as Precision Therapeutics. <i>Accounts of Chemical Research</i> , 2014, 47, 3471-3480.	7.6	43
7	Morphology-Controlled Self-Assembly and Synthesis of Photocatalytic Nanocrystals. <i>Nano Letters</i> , 2014, 14, 7175-7179.	4.5	119
9	Protein crystalline frameworks with controllable interpenetration directed by dual supramolecular interactions. <i>Nature Communications</i> , 2014, 5, 4634.	5.8	112
10	pH responsive supramolecular prodrug micelles based on cucurbit[8]uril for intracellular drug delivery. <i>Chemical Communications</i> , 2014, 50, 9390-9392.	2.2	45
11	Dendronized supramolecular polymers. <i>Chemical Communications</i> , 2014, 50, 12221-12233.	2.2	51
12	A photoacoustic approach for monitoring the drug release of pH-sensitive poly( $\beta$ -amino ester)s. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6271-6282.	2.9	36
13	Self-assembly of supramolecularly engineered polymers and their biomedical applications. <i>Chemical Communications</i> , 2014, 50, 11994-12017.	2.2	77
14	One-step synthesis of hollow polymeric nanospheres: self-assembly of amphiphilic azo polymers via hydrogen bond formation. <i>RSC Advances</i> , 2014, 4, 36882-36889.	1.7	10
15	Corn protein-derived nitrogen-doped carbon materials with oxygen-rich functional groups: a highly efficient electrocatalyst for all-vanadium redox flow batteries. <i>Energy and Environmental Science</i> , 2014, 7, 3727-3735.	15.6	218
16	Effects of Molecular Weight Distribution of Amphiphilic Block Copolymers on Their Solubility, Micellization, and Temperature-Induced Sol-Gel Transition in Water. <i>Macromolecules</i> , 2014, 47, 5895-5903.	2.2	88
17	Photo-responsive polymeric micelles. <i>Soft Matter</i> , 2014, 10, 6121-6138.	1.2	147
18	Self-Organized ECM-Mimetic Model Based on an Amphiphilic Multiblock Silk-Elastin-Like Corecombinamer with a Concomitant Dual Physical Gelation Process. <i>Biomacromolecules</i> , 2014, 15, 3781-3793.	2.6	77
19	Tellurium-Containing Polymer Micelles: Competitive-Ligand-Regulated Coordination Responsive Systems. <i>Journal of the American Chemical Society</i> , 2014, 136, 5132-5137.	6.6	112
20	Polymeric Supra-amphiphiles Based on Terminal Group Electrostatic Interactions: Fabrication of Micelles with Modifiable Surfaces. <i>Langmuir</i> , 2014, 30, 8938-8944.	1.6	18

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21	Protein-Triggered Supramolecular Disassembly: Insights Based on Variations in Ligand Location in Amphiphilic Dendrons. <i>Journal of the American Chemical Society</i> , 2014, 136, 5385-5399.	6.6	53
22	Glyco-Inside Micelles and Vesicles Directed by Protection–Deprotection Chemistry. <i>ACS Macro Letters</i> , 2014, 3, 534-539.	2.3	37
23	Electrochemical redox responsive polymeric micelles formed from amphiphilic supramolecular brushes. <i>Chemical Communications</i> , 2014, 50, 4740.	2.2	75
24	Cooperative Macromolecular Self-Assembly toward Polymeric Assemblies with Multiple and Bioactive Functions. <i>Accounts of Chemical Research</i> , 2014, 47, 1426-1437.	7.6	102
25	Virus-Inspired Mimics Based on Dendritic Lipopeptides for Efficient Tumor-Specific Infection and Systemic Drug Delivery. <i>Advanced Functional Materials</i> , 2015, 25, 5250-5260.	7.8	74
26	Glycocalyx-Mimicking Nanoparticles for Stimulation and Polarization of Macrophages via Specific Interactions. <i>Small</i> , 2015, 11, 4191-4200.	5.2	88
27	Supramolecular Glyco-Nanoparticles Toward Immunological Applications. <i>Small</i> , 2015, 11, 6065-6070.	5.2	16
28	Supramolecular Complexation of Carbohydrates for the Bioavailability Enhancement of Poorly Soluble Drugs. <i>Molecules</i> , 2015, 20, 19620-19646.	1.7	39
29	Discrete multiporphyrin pseudorotaxane assemblies from di- and tetravalent porphyrin building blocks. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 748-762.	1.3	3
30	Construction of antibody-like nanoparticles for selective protein sequestration in living cells. <i>Nanoscale</i> , 2015, 7, 7162-7167.	2.8	43
31	Strongly fluorescent organogels and self-assembled nanostructures from pyrene coupled coumarin derivatives: application in cell imaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5690-5701.	2.9	40
32	A facile strategy to fabricate glucose-responsive vesicles via a template of thermo-sensitive micelles. <i>Polymer Chemistry</i> , 2015, 6, 3837-3846.	1.9	36
33	A rhythmic assembly system with fireflies' function based on reversible formation of dynamic covalent bonds driven by a pH oscillator. <i>RSC Advances</i> , 2015, 5, 106294-106297.	1.7	5
34	Hierarchical multi-lamellar silica vesicle clusters synthesized through self-assembly and mineralization. <i>RSC Advances</i> , 2015, 5, 102256-102260.	1.7	4
35	Novel Mussel-Inspired Injectable Self-Healing Hydrogel with Anti-Biofouling Property. <i>Advanced Materials</i> , 2015, 27, 1294-1299.	11.1	473
36	Thermoresponsive and self-assembly behaviors of poly(oligo(ethylene glycol) methacrylate) based cyclodextrin cored star polymer and pseudo-graft polymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 471, 178-189.	2.3	12
37	Chemically Reactive Supramolecular Hydrogel Coupled with a Signal Amplification System for Enhanced Analyte Sensitivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 3360-3365.	6.6	119
38	Multifunctional Assembly of Micrometer-Sized Colloids for Cell Sorting. <i>Small</i> , 2015, 11, 2555-2563.	5.2	12

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39	Triggering Activity of Catalytic Rod-Like Supramolecular Polymers. <i>Chemistry - A European Journal</i> , 2015, 21, 3682-3690.	1.7	42
40	An efficient multiple healing conductive composite via host-guest inclusion. <i>Chemical Communications</i> , 2015, 51, 6377-6380.	2.2	45
41	Effect of water content on the size and membrane thickness of polystyrene-block-poly(ethylene oxide) vesicles. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 661-668.	2.0	9
42	Self-assembly and morphological transitions of random amphiphilic poly( $\beta$ -D-glucose-co-1-octyl) phosphazenes. <i>Soft Matter</i> , 2015, 11, 6266-6274.	1.2	7
43	Synthesis of molecular biomimetics. , 2015, , 3-31.		2
44	Multilevel and Multicomponent Layer-by-Layer Assembly for the Fabrication of Nanofibrillar Films. <i>ACS Nano</i> , 2015, 9, 7124-7132.	7.3	20
45	Structure and growth behavior of centimeter-sized helical oleate assemblies formed with assistance of medium-length carboxylic acids. <i>Soft Matter</i> , 2015, 11, 3550-3558.	1.2	13
46	Macrocyclic amphiphiles. <i>Chemical Society Reviews</i> , 2015, 44, 3568-3587.	18.7	188
47	Supramolecular Amphiphiles Based on Host-Guest Molecular Recognition Motifs. <i>Chemical Reviews</i> , 2015, 115, 7240-7303.	23.0	869
48	Effects of Molecular Weight and Its Distribution of PEG Block on Micellization and Thermogellability of PLGA-PEG-PLGA Copolymer Aqueous Solutions. <i>Macromolecules</i> , 2015, 48, 3662-3671.	2.2	95
49	Hyperbranched Self-Immolative Polymers (hSIPs) for Programmed Payload Delivery and Ultrasensitive Detection. <i>Journal of the American Chemical Society</i> , 2015, 137, 11645-11655.	6.6	126
50	Functional architectures based on self-assembly of bio-inspired dipeptides: Structure modulation and its photoelectronic applications. <i>Advances in Colloid and Interface Science</i> , 2015, 225, 177-193.	7.0	62
51	Self-healing poly(N-isopropylacrylamide) hydrogels. <i>European Polymer Journal</i> , 2015, 72, 12-22.	2.6	31
52	Water-soluble nano-fluorogens fabricated by self-assembly of bolaamphiphiles bearing AIE moieties: towards application in cell imaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 491-497.	2.9	32
53	Biomedical Applications of Supramolecular Systems Based on Host-Guest Interactions. <i>Chemical Reviews</i> , 2015, 115, 7794-7839.	23.0	980
54	A novel calix[4]arene-based dimeric-cholesteryl derivative: synthesis, gelation and unusual properties. <i>New Journal of Chemistry</i> , 2015, 39, 639-649.	1.4	23
55	Photoresponsive Polymeric Reversible Nanoparticles via Self-Assembly of Reactive ABA Triblock Copolymers and Their Transformation to Permanent Nanostructures. <i>Materials</i> , 2016, 9, 980.	1.3	3
56	Self-Propelled Micro-Nanomotors Based on Controlled Assembled Architectures. <i>Advanced Materials</i> , 2016, 28, 1060-1072.	11.1	203

#	ARTICLE	IF	CITATIONS
57	Viruses, Artificial Viruses and Virus-Based Structures for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2016, 5, 1386-1400.	3.9	30
58	A General Strategy for Facile Synthesis and In Situ Screening of Self-Assembled Polymer-Peptide Nanomaterials. <i>Advanced Materials</i> , 2016, 28, 1859-1867.	11.1	45
59	Morphological Evolution of Self-Assembled Structures Induced by the Molecular Architecture of Supra-Amphiphiles. <i>Langmuir</i> , 2016, 32, 13706-13715.	1.6	16
60	Physical Gelation of $\alpha$ -Helical Copolypeptides. <i>Biomacromolecules</i> , 2016, 17, 2384-2391.	2.6	16
61	Preparation of robust anti-smudge coatings via electrophoretic deposition. <i>Chemical Engineering Journal</i> , 2016, 302, 744-751.	6.6	29
62	Nitroarene Reduction by a Virus Protein Cage Based Nanoreactor. <i>ACS Catalysis</i> , 2016, 6, 3084-3091.	5.5	58
63	Natural and Synthetic Polymers for Designing Composite Materials. , 2016, , 233-286.		22
64	Multi-stimuli responsive amine-containing polyethers: Novel building blocks for smart assemblies. <i>Polymer</i> , 2016, 93, 221-239.	1.8	16
65	Self-Assembly of n-Shaped Rod-Coil Molecules into Thermoresponsive Nanoassemblies: Construction of Reversible Helical Nanofibers in Aqueous Environment. <i>Macromolecules</i> , 2016, 49, 5912-5920.	2.2	24
66	Photosensitizer cross-linked nano-micelle platform for multimodal imaging guided synergistic photothermal/photodynamic therapy. <i>Nanoscale</i> , 2016, 8, 15323-15339.	2.8	70
67	pH-Responsive Indicator Displacement Assay of Acetylcholine Based on Acridine-Sulfonatocalix[4]arene Supramolecular System: Fluorescence Off/On Switching and Reversible pKa Shift. <i>ChemistrySelect</i> , 2016, 1, 989-999.	0.7	26
68	Cooperative self-assembly of porphyrins with polymers possessing bioactive functions. <i>Chemical Communications</i> , 2016, 52, 13543-13555.	2.2	45
69	Nucleobase-Functionalized Supramolecular Micelles with Tunable Physical Properties for Efficient Controlled Drug Release. <i>Macromolecular Bioscience</i> , 2016, 16, 1415-1421.	2.1	23
70	Novel Water-Soluble Cyclodextrin-Based Conjugated Polymer for Selective Host-Guest Interactions of Cationic Surfactant CTAB and Reverse FRET with Rhodamine B Tagged Adamantyl Guest. <i>Macromolecules</i> , 2016, 49, 5587-5598.	2.2	20
71	Efficient and Targeted Suppression of Human Lung Tumor Xenografts in Mice with Methotrexate Sodium Encapsulated in All-Function-One Chimeric Polymersomes. <i>Advanced Materials</i> , 2016, 28, 8234-8239.	11.1	56
72	Polymers with tertiary amine groups for drug delivery and bioimaging. <i>Science China Chemistry</i> , 2016, 59, 991-1002.	4.2	27
73	Profluorescent PPV-Based Micellar System as a Versatile Probe for Bioimaging and Drug Delivery. <i>Biomacromolecules</i> , 2016, 17, 4086-4094.	2.6	28
74	Anti-Inflammatory Dendrimers. , 2016, , 245-288.		0

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75	Tripeptide Emulsifiers. <i>Advanced Materials</i> , 2016, 28, 1381-1386.	11.1	73
76	Stimuli-responsive polymersomes and nanoreactors. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4632-4647.	2.9	179
77	Synthesis and self-assembly of a dual thermal and pH-responsive ternary graft copolymer for sustained release drug delivery. <i>RSC Advances</i> , 2016, 6, 2571-2581.	1.7	5
78	pH-Regulated Reversible Transition Between Polyion Complexes (PIC) and Hydrogen-Bonding Complexes (HBC) with Tunable Aggregation-Induced Emission. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3693-3702.	4.0	22
79	Sphere-Like Protein-Glycopolymer Nanostructures Tailored by Polyassociation. <i>Biomacromolecules</i> , 2016, 17, 32-45.	2.6	9
80	Novel reversible thermoresponsive nanogel based on poly(ionic liquid)s prepared via RAFT crosslinking copolymerization. <i>Journal of Polymer Science Part A</i> , 2016, 54, 169-178.	2.5	24
81	Covalent Postassembly Modification and Water Adsorption of Pd <sub>3</sub> Self-Assembled Trinuclear Barrels. <i>Inorganic Chemistry</i> , 2016, 55, 1562-1568.	1.9	27
82	Supramolecularly assisted modulations in chromophoric properties and their possible applications: an overview. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2685-2706.	2.7	77
83	Preparation of superamphiphobic polymer-based coatings via spray- and dip-coating strategies. <i>Progress in Organic Coatings</i> , 2016, 90, 463-471.	1.9	72
84	Cubosomes from hierarchical self-assembly of poly(ionic liquid) block copolymers. <i>Nature Communications</i> , 2017, 8, 14057.	5.8	70
85	In situ synthesis of block copolymer nano-assemblies by polymerization-induced self-assembly under heterogeneous condition. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 455-479.	2.0	77
86	Cyclic molecule aerogels: a robust cyclodextrin monolith with hierarchically porous structures for removal of micropollutants from water. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4308-4313.	5.2	58
87	Alternative Route to Nanoscale Aggregates with a pH-Responsive Random Copolymer. <i>Langmuir</i> , 2017, 33, 2628-2638.	1.6	7
88	Computer-aided drug design to explore cyclodextrin therapeutics and biomedical applications. <i>Chemical Biology and Drug Design</i> , 2017, 89, 257-268.	1.5	28
90	Dimethyl Labeling Coupled with Mass Spectrometry for Topographical Characterization of Primary Amines on Monoclonal Antibodies. <i>Analytical Chemistry</i> , 2017, 89, 4255-4263.	3.2	17
91	Nanostructures based on protein self-assembly: From hierarchical construction to bioinspired materials. <i>Nano Today</i> , 2017, 14, 16-41.	6.2	128
92	General Approach of Stimuli-Induced Aggregation for Monitoring Tumor Therapy. <i>ACS Nano</i> , 2017, 11, 7301-7311.	7.3	60
93	Immobilization of catalytic virus-like particles in a flow reactor. <i>Chemical Communications</i> , 2017, 53, 7632-7634.	2.2	20

#	ARTICLE	IF	CITATIONS
94	Aqueous solution behaviour of novel water-soluble amphiphilic copolymers with elevated hydrophobic unit content. <i>Polymer Chemistry</i> , 2017, 8, 4114-4123.	1.9	17
95	A light-driven artificial flytrap. <i>Nature Communications</i> , 2017, 8, 15546.	5.8	499
96	CO <sub>2</sub> -Stimulated morphology transition of ABC miktoarm star terpolymer assemblies. <i>Polymer Chemistry</i> , 2017, 8, 2833-2840.	1.9	22
97	Role of Protecting Groups in Synthesis and Self-Assembly of Glycopolymers. <i>Biomacromolecules</i> , 2017, 18, 568-575.	2.6	8
98	Unusual C=O Halogen Bonding in Triazole Derivatives: Gelation Solvents at Two Extremes of Polarity and Formation of Superorganogels. <i>Langmuir</i> , 2017, 33, 311-321.	1.6	16
99	DNA Condensed Phase and DNA-Inorganic Hybrid Mesostuctured Materials. <i>ACS Symposium Series</i> , 2017, , 49-79.	0.5	1
100	Living supramolecular polymerization achieved by collaborative assembly of platinum(II) complexes and block copolymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11844-11849.	3.3	85
101	Self-assembly of diphenylalanine with preclick components as capping groups. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27038-27051.	1.3	8
102	Biomolecule-Enabled Chiral Assembly of Plasmonic Nanostructures. <i>ChemNanoMat</i> , 2017, 3, 685-697.	1.5	41
103	Self-assembled composite microparticles with surface protrudent porphyrin nanoparticles enhance cellular uptake and photodynamic therapy. <i>Materials Horizons</i> , 2017, 4, 1135-1144.	6.4	16
104	Filamentous virus-based soft materials based on controlled assembly through liquid crystalline formation. <i>Polymer Journal</i> , 2017, 49, 639-647.	1.3	22
105	CO <sub>2</sub> -responsive bowl-shaped polymersomes. <i>Macromolecular Research</i> , 2017, 25, 635-639.	1.0	7
106	Inhomogeneous-collapse driven micelle-vesicle transition of amphiphilic block copolymers. <i>Soft Matter</i> , 2017, 13, 7106-7111.	1.2	4
107	Influence of Charge Density on Host-Guest Interactions within Amphiphilic Polymer Assemblies in Apolar Media. <i>Macromolecules</i> , 2017, 50, 9734-9741.	2.2	8
108	Ultraviolet-responsive self-assembled metallomicelles for photocontrollable catalysis of asymmetric sulfoxidation in water. <i>RSC Advances</i> , 2017, 7, 54570-54580.	1.7	7
109	Synthesis and self-assembly of a dual-responsive monocleavable ABCD star quaterpolymer. <i>Polymer Chemistry</i> , 2017, 8, 6865-6878.	1.9	7
110	Biomimetic Bioactive Biomaterials: The Next Generation of Implantable Devices. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1172-1174.	2.6	18
111	Supramolecular polymer micelles as universal tools for constructing high-performance fluorescent nanoparticles. <i>Dyes and Pigments</i> , 2017, 137, 284-292.	2.0	14

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112	Platinum covalent shell cross-linked micelles designed to deliver doxorubicin for synergistic combination cancer therapy. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3697-3710.	3.3	22
113	Nanostructured biocomposites for tissue engineering scaffolds. , 2017, , 501-542.		4
114	Macroscopic Supramolecular Assembly and Its Applications. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 306-321.	2.0	34
115	Probing of ferrocenylanilines on model micelle/reverse micelle membrane and their enhanced reactivity for reactive oxidants. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4334.	1.7	4
116	Thermoresponsive Polymeric Assemblies and Their Biological Applications. <i>Nanomedicine and Nanotoxicology</i> , 2018, , 155-183.	0.1	2
117	Hierarchical self-assembly of Y-shaped amphiphilic triblock polyurethane/poly(acrylic acid) complexes: Giant vesicles, vesicles, 3D network, and bulk structures. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46503.	1.3	1
118	Thermoresponse and self-assembly of an ABC star quarterpolymer with O <sub>2</sub> and redox dual-responsive Y junctions. <i>Polymer Chemistry</i> , 2018, 9, 1095-1108.	1.9	10
119	A Versatile Method to Prepare Protein Nanoclusters for Drug Delivery. <i>Macromolecular Bioscience</i> , 2018, 18, 1700282.	2.1	15
120	Anisotropic convergence of dendritic macromolecules facilitated by a heteroleptic metal-organic polyhedron scaffold. <i>Chemical Communications</i> , 2018, 54, 5209-5212.	2.2	16
121	Synthesis, self-assembly and drug release behaviors of reduction-labile multi-responsive block miktobrush quaterpolymers with linear and V-shaped grafts. <i>Polymer Chemistry</i> , 2018, 9, 1947-1960.	1.9	12
122	Novel 1,2,3-triazole-based compounds: Iodo effect on their gelation behavior and cation response. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 252-261.	2.3	9
123	Molecularly imprinted polymeric nanoparticles decorated with Au NPs for highly sensitive and selective glucose detection. <i>Biosensors and Bioelectronics</i> , 2018, 100, 497-503.	5.3	56
124	A Green and Sustainable Route to Carbohydrate Vinyl Ethers for Accessing Bioinspired Materials with a Unique Microspherical Morphology. <i>ChemSusChem</i> , 2018, 11, 292-298.	3.6	29
125	Highly functional ellipsoidal block copolymer nanoparticles: a generalized approach to nanostructured chemical ordering in phase separated colloidal particles. <i>Polymer Chemistry</i> , 2018, 9, 1638-1649.	1.9	38
126	In Situ Gluten-Chitosan Interlocked Self-Assembled Supramolecular Architecture Reduces T-Cell-Mediated Immune Response to Gluten in Celiac Disease. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800646.	1.5	9
127	Recent progress in macrocyclic amphiphiles and macrocyclic host-based supra-amphiphiles. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2152-2174.	3.2	102
128	Necklace-like Molecularly Imprinted Nanohybrids Based on Polymeric Nanoparticles Decorated Multiwalled Carbon Nanotubes for Highly Sensitive and Selective Melamine Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24850-24859.	4.0	44
129	Macroscopic Chiral Recognition by Calix[4]arene-Based Host-Guest Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 15502-15506.	1.7	22



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130	Prodrug-Based Cascade Self-Assembly Strategy for Precisely Controlled Combination Drug Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21149-21159.	4.0	23
131	Organic/inorganic nanohybrids formed using electrospun polymer nanofibers as nanoreactors. <i>Coordination Chemistry Reviews</i> , 2018, 372, 31-51.	9.5	32
132	Emerging Biomimetic Applications of DNA Nanotechnology. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13859-13873.	4.0	43
133	Insight into the Polymerization-Induced Self-Assembly via a Realistic Computer Simulation Strategy. <i>Macromolecules</i> , 2019, 52, 6169-6180.	2.2	23
134	Adaptive Polymeric Assemblies for Applications in Biomimicry and Nanomedicine. <i>Biomacromolecules</i> , 2019, 20, 4053-4064.	2.6	21
135	Carbohydrate-based nanocarriers and their application to target macrophages and deliver antimicrobial agents. <i>Advanced Drug Delivery Reviews</i> , 2019, 151-152, 94-129.	6.6	63
136	Protrusion of nanospikes on cholesterol-containing microgels by reduction-responsive self-assembly in cell milieu and its influence on cell functions. <i>Materials Chemistry Frontiers</i> , 2019, 3, 233-241.	3.2	7
137	Molecular engineering of polymeric supra-amphiphiles. <i>Chemical Society Reviews</i> , 2019, 48, 989-1003.	18.7	90
138	Fabricating an intelligent cell-like nano-prodrug via hierarchical self-assembly based on the DNA skeleton for suppressing lung metastasis of breast cancer. <i>Biomaterials Science</i> , 2019, 7, 3652-3661.	2.6	30
139	Aziridines and azetidines: building blocks for polyamines by anionic and cationic ring-opening polymerization. <i>Polymer Chemistry</i> , 2019, 10, 3257-3283.	1.9	88
140	Temperature and solvent isotope dependent hierarchical self-assembly of a heterografted block copolymer. <i>Chemical Communications</i> , 2019, 55, 5709-5712.	2.2	20
141	Hierarchy of Hybrid Materials – The Place of Inorganics-in-Organics in it, Their Composition and Applications. <i>Frontiers in Chemistry</i> , 2019, 7, 179.	1.8	172
142	An Artificial Nocturnal Flower via Humidity-Gated Photoactuation in Liquid Crystal Networks. <i>Advanced Materials</i> , 2019, 31, e1805985.	11.1	154
143	Advanced Near-Infrared Light-Responsive Nanomaterials as Therapeutic Platforms for Cancer Therapy. <i>Advanced Therapeutics</i> , 2019, 2, 1800090.	1.6	27
144	The effect of dendritic pendants on the folding of amphiphilic copolymers via supramolecular interactions. <i>Journal of Polymer Science Part A</i> , 2019, 57, 411-421.	2.5	7
145	Supramolecular polymer chemistry: From structural control to functional assembly. <i>Progress in Polymer Science</i> , 2020, 100, 101167.	11.8	135
146	From a body temperature-triggered reversible shape-memory material to high-sensitive bionic soft actuators. <i>Applied Materials Today</i> , 2020, 18, 100463.	2.3	29
147	Synthesis and properties of penta-responsive ABC star quaterpolymers. <i>Polymer Journal</i> , 2020, 52, 153-163.	1.3	5

#	ARTICLE	IF	CITATIONS
148	Bio-inspired synthesis of nanomaterials and smart structures for electrochemical energy storage and conversion. <i>Nano Materials Science</i> , 2020, 2, 264-280.	3.9	35
149	Temperature responsive self-assembled hydroxybutyl chitosan nanohydrogel based on homogeneous reaction for smart window. <i>Carbohydrate Polymers</i> , 2020, 229, 115557.	5.1	32
150	Flexible electromagnetic capturer with a rapid ejection feature inspired by a biological ballistic tongue. <i>Bioinspiration and Biomimetics</i> , 2020, 15, 066002.	1.5	2
151	Determining population densities in bimodal micellar solutions using contrast-variation small angle neutron scattering. <i>Journal of Chemical Physics</i> , 2020, 153, 184902.	1.2	3
152	Morphological and constituent viral-mimicking self-assembled nanoparticles promote cellular uptake and improve cancer therapeutic efficiency in vivo. <i>Giant</i> , 2020, 3, 100026.	2.5	5
153	Investigation of Morphology-Controlled Ultrafast Relaxation Processes of Aggregated Porphyrin. <i>ChemPhysChem</i> , 2020, 21, 2196-2205.	1.0	6
154	Extrusion 3D Printing of Polymeric Materials with Advanced Properties. <i>Advanced Science</i> , 2020, 7, 2001379.	5.6	171
155	Synthesis and optoelectronic properties of benzodithiophene-based conjugated polymers with hydrogen bonding nucleobase side chain functionality. <i>Polymer Chemistry</i> , 2020, 11, 5735-5749.	1.9	13
156	Supramolecular and supramolecular photochemistry: a perspective overview. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23433-23463.	1.3	7
157	Rational design of nonlinear crystalline-amorphous-responsive terpolymers for pH-guided fabrication of 0D-3D nano-objects. <i>Polymer Chemistry</i> , 2020, 11, 6259-6272.	1.9	6
158	Temperature-responsive supramolecular hydrogels. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9197-9211.	2.9	75
159	Unraveling Decisive Structural Parameters for the Self-Assembly of Supramolecular Polymer Bottlebrushes Based on Benzene Trisureas. <i>Macromolecules</i> , 2020, 53, 7552-7560.	2.2	10
160	Spontaneous Self-Assembly of Single-Chain Amphiphilic Polymeric Nanoparticles in Water. <i>Nanomaterials</i> , 2020, 10, 2006.	1.9	8
161	Does the degree of substitution on the cyclodextrin hosts impact their affinity towards guest binding?. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 956-965.	1.6	11
162	Bio-inspired design of active photo-mechano-chemically dual-responsive photonic film based on cholesteric liquid crystal elastomers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5517-5524.	2.7	40
163	Crosslinking Induced Reassembly of Multiblock Polymers: Addressing the Dilemma of Stability and Responsivity. <i>Advanced Science</i> , 2020, 7, 1902701.	5.6	26
164	Multiblock Copolymers toward Segmentation-Driven Morphological Transition. <i>Macromolecules</i> , 2020, 53, 5992-6001.	2.2	21
165	Strain-controlled power devices as inspired by human reflex. <i>Nature Communications</i> , 2020, 11, 326.	5.8	53

#	ARTICLE	IF	CITATIONS
166	Formation of Poly-L-lysine Monolayers on Silica: Modeling and Experimental Studies. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4571-4581.	1.5	19
167	Synthesis, thermoresponsivity and multi-tunable hierarchical self-assembly of multi-responsive (AB) <sub>m</sub> C miktobrush-coil terpolymers. <i>Polymer Chemistry</i> , 2020, 11, 3003-3017.	1.9	18
168	A cationic cyclodextrin assisted aggregation of an anionic pyrene derivative and its stimuli responsive behavior. <i>Journal of Molecular Liquids</i> , 2021, 321, 114499.	2.3	12
169	Direct synthesis of light-emitting triblock copolymers from RAFT polymerization. <i>Polymer Chemistry</i> , 2021, 12, 216-225.	1.9	4
170	Integrating DNA Nanotechnology with Aptamers for Biological and Biomedical Applications. <i>Matter</i> , 2021, 4, 461-489.	5.0	64
171	In situ formation of tetraphenylethylene nano-structures on microgels inside living cells via reduction-responsive self-assembly. <i>Nanoscale</i> , 2021, 13, 138-149.	2.8	5
172	Solution self-assembly of fluorinated polymers, an overview. <i>Polymer Chemistry</i> , 2021, 12, 3852-3877.	1.9	23
173	Temperature sensitive self-assembling hydroxybutyl chitosan nanoparticles with cationic enhancement effect for multi-functional applications. <i>Carbohydrate Polymers</i> , 2021, 254, 117199.	5.1	12
175	Recent Advancements in Biomimetic 3D Printing Materials With Enhanced Mechanical Properties. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	22
176	Aggregation and Rheology of a Triblock Supra-amphiphilic Polymer Prepared by Ionic Self-Assembly of a Double-Hydrophilic Polyelectrolyte with an Oppositely Charged Surfactant in Aqueous Solution. <i>Macromolecules</i> , 2021, 54, 5498-5508.	2.2	4
177	Biodegradable Polymersomes with Structure Inherent Fluorescence and Targeting Capacity for Enhanced Photo-Dynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17629-17637.	7.2	34
178	Biodegradable Polymersomes with Structure Inherent Fluorescence and Targeting Capacity for Enhanced Photo-Dynamic Therapy. <i>Angewandte Chemie</i> , 2021, 133, 17770-17778.	1.6	4
179	Supramolecular Polydimethylsiloxane Elastomer with Enhanced Mechanical Properties and Self-Healing Ability Engineered by Synergetic Dynamic Bonds. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3373-3382.	2.0	31
180	Hydrogen bonding induced enhancement for constructing anisotropic sugarcane composite hydrogels. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51374.	1.3	6
181	Fibrous Scaffolds From Elastin-Based Materials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 652384.	2.0	12
182	Kinetics and morphologies in polymerization-induced cooperative assembly: a computer simulation investigation. <i>Polymer International</i> , 0, , .	1.6	4
183	Carbohydrate Modified Non-Metallic Nanomaterials and Their Application Against Infectious Diseases. , 2021, , 406-432.		0
184	Natural and Synthetic Polymers for Designing Composite Materials. , 2015, , 1-54.		6

#	ARTICLE	IF	CITATIONS
185	Supramolecular Single-Chain Polymeric Nanoparticles. <i>CCS Chemistry</i> , 0, , 64-82.	4.6	66
186	Amphiphilic AIEgenâ€polymer aggregates: Design, selfâ€assembly and biomedical applications. <i>Aggregate</i> , 2022, 3, e128.	5.2	49
187	Hybrid Supramolecular Assemblies of Cucurbit[ <i>n</i> ]uril-supported Metal and Other Inorganic Nanoparticles. <i>RSC Smart Materials</i> , 2019, , 95-119.	0.1	2
188	Liposomes encapsulating artificial cytosol as drug delivery system. <i>Biophysical Chemistry</i> , 2022, 281, 106728.	1.5	7
189	Supramolecular Assembly and Reversible Transition and of Chitosan Fluorescent Micelles by Noncovalent Modulation. <i>Advances in Polymer Technology</i> , 2021, 2021, 1-10.	0.8	1
190	Learn from nature: Bioâ€inspired structure design for lithiumâ€ion batteries. <i>EcoMat</i> , 2022, 4, .	6.8	8
191	A facile synthesis of amphiphilic <i>N</i> -glycosyl naphthalimides and fabrication of flexible semiconductors using molecular self-assembly. <i>Green Chemistry</i> , 2022, 24, 2451-2463.	4.6	6
192	Precise Self-assembly of Janus Pyramid Heteroclusters into Core-Corona Nanodots and Nanodot Supracrystals: Implications for the Construction of Virus-like Particles and Nanomaterials. <i>ACS Applied Nano Materials</i> , 2022, 5, 5558-5568.	2.4	3
193	Bioinspired Materials for Energy Storage. <i>Small Methods</i> , 2022, 6, e2101076.	4.6	25
194	Morphological transitions of micelles induced by the block arrangements of copolymer blocks: dissipative particle dynamics simulation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10757-10764.	1.3	2
195	Polymer supported electrospun nanofibers with supramolecular materials for biological applications â€ a review. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2023, 72, 1042-1058.	1.8	4
196	Direct Metal-Free Synthesis of Uracil- and Pentaazaphenylene-Functionalized Porous Organic Polymers via Quadruple Mannich Cyclization and Their Nucleobase Recognition Activities. <i>Macromolecules</i> , 2022, 55, 10197-10209.	2.2	7
197	Stimuliâ€Responsive Complexation Based on Twisted Cucurbit[14]uril and <i>p</i> -Diaminoazobenzene. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
198	Mechanical Bond-Assisted Full-Spectrum Investigation of Radical Interactions. <i>Journal of the American Chemical Society</i> , 2022, 144, 23168-23178.	6.6	5
199	Self-healing aeronautical nanocomposites. , 2023, , 263-296.		0
200	Electronically Robust Selfâ€Assembled Supramolecular Gel as a Potential Material in Triboelectric Nanogenerators. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	1
201	Tribological Behavior of Bioinspired Surfaces. <i>Biomimetics</i> , 2023, 8, 62.	1.5	2
202	Review on Biomedical Advances of Hybrid Nanocomposite Biopolymeric Materials. <i>Bioengineering</i> , 2023, 10, 279.	1.6	2

#	ARTICLE	IF	CITATIONS
203	Recent Biomedical Applications of Coupling Nanocomposite Polymeric Materials Reinforced with Variable Carbon Nanofillers. <i>Biomedicines</i> , 2023, 11, 967.	1.4	5
206	Piezotronic Transistors and Arrays. <i>Microtechnology and MEMS</i> , 2023, , 105-159.	0.2	0