

Shiyong Liu

List of Publications by Year in descending order

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261
papers

22,189
citations

4383

86
h-index

11047

137
g-index

273
all docs

273
docs citations

273
times ranked

17968
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional block copolymer assemblies responsive to tumor and intracellular microenvironments for site-specific drug delivery and enhanced imaging performance. <i>Chemical Society Reviews</i> , 2013, 42, 7289.	18.7	822
2	Enzyme-responsive polymeric assemblies, nanoparticles and hydrogels. <i>Chemical Society Reviews</i> , 2012, 41, 5933.	18.7	615
3	Polyprodrug Amphiphiles: Hierarchical Assemblies for Shape-Regulated Cellular Internalization, Trafficking, and Drug Delivery. <i>Journal of the American Chemical Society</i> , 2013, 135, 17617-17629.	6.6	563
4	Responsive Polymers for Detection and Sensing Applications: Current Status and Future Developments. <i>Macromolecules</i> , 2010, 43, 8315-8330.	2.2	546
5	Pillar[6]arene-Based Photoresponsive Host-Guest Complexation. <i>Journal of the American Chemical Society</i> , 2012, 134, 8711-8717.	6.6	446
6	Synthesis of Shell Cross-Linked Micelles with pH-Responsive Cores Using ABC Triblock Copolymers. <i>Macromolecules</i> , 2002, 35, 6121-6131.	2.2	421
7	Synthesis of Well-Defined Cyclic Poly(<i>N</i> -isopropylacrylamide) via Click Chemistry and Its Unique Thermal Phase Transition Behavior. <i>Macromolecules</i> , 2007, 40, 9103-9110.	2.2	343
8	Cell-Penetrating Hyperbranched Polyprodrug Amphiphiles for Synergistic Reductive Milieu-Triggered Drug Release and Enhanced Magnetic Resonance Signals. <i>Journal of the American Chemical Society</i> , 2015, 137, 362-368.	6.6	312
9	Polymeric Surfactants for the New Millennium: A pH-Responsive, Zwitterionic, Schizophrenic Diblock Copolymer. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1413-1416.	7.2	295
10	Synthesis of pH-Responsive Shell Cross-Linked Micelles and Their Use as Nanoreactors for the Preparation of Gold Nanoparticles. <i>Langmuir</i> , 2002, 18, 8350-8357.	1.6	253
11	Amphiphilic multiarm star block copolymer-based multifunctional unimolecular micelles for cancer targeted drug delivery and MR imaging. <i>Biomaterials</i> , 2011, 32, 6595-6605.	5.7	253
12	A Schizophrenic Water-Soluble Diblock Copolymer. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2328-2331.	7.2	251
13	Engineering Intracellular Delivery Nanocarriers and Nanoreactors from Oxidation-Responsive Polymersomes via Synchronized Bilayer Cross-Linking and Permeabilizing Inside Live Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 10452-10466.	6.6	246
14	Reversibly Switching Bilayer Permeability and Release Modules of Photochromic Polymersomes Stabilized by Cooperative Noncovalent Interactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 15262-15275.	6.6	245
15	Responsive Supramolecular Gels Constructed by Crown Ether Based Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1798-1802.	7.2	239
16	A brief review of "schizophrenic" block copolymers. <i>Reactive and Functional Polymers</i> , 2006, 66, 157-165.	2.0	230
17	Ionic polypeptides with unusual helical stability. <i>Nature Communications</i> , 2011, 2, 206.	5.8	227
18	Enzyme-Responsive Polymeric Vesicles for Bacterial-Strain-Selective Delivery of Antimicrobial Agents. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1760-1764.	7.2	226

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19	Highly Selective Fluorogenic Multianalyte Biosensors Constructed via Enzyme-Catalyzed Coupling and Aggregation-Induced Emission. <i>Journal of the American Chemical Society</i> , 2014, 136, 9890-9893.	6.6	224
20	Self-Immolative Polymersomes for High-Efficiency Triggered Release and Programmed Enzymatic Reactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 7492-7497.	6.6	214
21	Engineering Responsive Polymer Building Blocks with Host-Guest Molecular Recognition for Functional Applications. <i>Accounts of Chemical Research</i> , 2014, 47, 2084-2095.	7.6	209
22	Fabrication of Hybrid Silica Nanoparticles Densely Grafted with Thermoresponsive Poly(<i>N</i> -isopropylacrylamide) Brushes of Controlled Thickness via Surface-Initiated Atom Transfer Radical Polymerization. <i>Chemistry of Materials</i> , 2008, 20, 101-109.	3.2	208
23	Reversible Three-State Switching of Multicolor Fluorescence Emission by Multiple Stimuli Modulated FRET Processes within Thermoresponsive Polymeric Micelles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5120-5124.	7.2	206
24	Stimuli-responsive tertiary amine methacrylate-based block copolymers: Synthesis, supramolecular self-assembly and functional applications. <i>Progress in Polymer Science</i> , 2014, 39, 1096-1143.	11.8	196
25	Concurrent Block Copolymer Polymersome Stabilization and Bilayer Permeabilization by Stimuli-Regulated Traceless-Crosslinking. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3138-3142.	7.2	195
26	Solubilization and Controlled Release of a Hydrophobic Drug Using Novel Micelle-Forming ABC Triblock Copolymers. <i>Biomacromolecules</i> , 2003, 4, 1636-1645.	2.6	194
27	The Facile One-Pot Synthesis of Shell Cross-Linked Micelles in Aqueous Solution at High Solids. <i>Journal of the American Chemical Society</i> , 2001, 123, 9910-9911.	6.6	191
28	Two-Stage Collapse of Unimolecular Micelles with Double Thermoresponsive Coronas. <i>Langmuir</i> , 2006, 22, 989-997.	1.6	179
29	Fabrication of Photoswitchable and Thermotunable Multicolor Fluorescent Hybrid Silica Nanoparticles Coated with Dye-Labeled Poly(<i>N</i> -isopropylacrylamide) Brushes. <i>Chemistry of Materials</i> , 2009, 21, 3788-3798.	3.2	169
30	SERS-Active Nanoparticles for Sensitive and Selective Detection of Cadmium Ion (Cd ²⁺). <i>Chemistry of Materials</i> , 2011, 23, 4756-4764.	3.2	167
31	Stimuli-Responsive Fluorescent Poly(<i>N</i> -isopropylacrylamide) Microgels Labeled with Phenylboronic Acid Moieties as Multifunctional Ratiometric Probes for Glucose and Temperatures. <i>Macromolecules</i> , 2011, 44, 2282-2290.	2.2	158
32	Multifunctional pH-Disintegrable micellar nanoparticles of asymmetrically functionalized β -cyclodextrin-Based star copolymer covalently conjugated with doxorubicin and DOTA-Gd moieties. <i>Biomaterials</i> , 2012, 33, 2521-2531.	5.7	158
33	Efficient Synthesis of Single Gold Nanoparticle Hybrid Amphiphilic Triblock Copolymers and Their Controlled Self-Assembly. <i>Journal of the American Chemical Society</i> , 2012, 134, 7624-7627.	6.6	156
34	Stimuli-Responsive Double Hydrophilic Block Copolymer Micelles with Switchable Catalytic Activity. <i>Macromolecules</i> , 2007, 40, 3538-3546.	2.2	153
35	One-Pot Synthesis of Amphiphilic Polymeric Janus Particles and Their Self-Assembly into Supermicelles with a Narrow Size Distribution. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6321-6324.	7.2	153
36	High-Efficiency Preparation of Macrocylic Diblock Copolymers via Selective Click Reaction in Micellar Media. <i>Journal of the American Chemical Society</i> , 2009, 131, 1628-1629.	6.6	152

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37	A General Strategy To Construct Fluorogenic Probes from Charge-Generation Polymers (CGPs) and AIE-Active Fluorogens through Triggered Complexation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 455-459.	7.2	150
38	Photo-Triggered Release of Caged Camptothecin Prodrugs from Dually Responsive Shell Cross-Linked Micelles. <i>Macromolecules</i> , 2013, 46, 6243-6256.	2.2	145
39	Synthesis of Amphiphilic Tadpole-Shaped Linear-Cyclic Diblock Copolymers via Ring-Opening Polymerization Directly Initiating from Cyclic Precursors and Their Application as Drug Nanocarriers. <i>Biomacromolecules</i> , 2011, 12, 1146-1154.	2.6	138
40	Polymeric assemblies and nanoparticles with stimuli-responsive fluorescence emission characteristics. <i>Chemical Communications</i> , 2012, 48, 3262.	2.2	138
41	Synthesis and Aqueous Solution Behavior of a pH-Responsive Schizophrenic Diblock Copolymer. <i>Langmuir</i> , 2003, 19, 4432-4438.	1.6	137
42	“Schizophrenic” Micellization Associated with Coil-to-Helix Transitions Based on Polypeptide Hybrid Double Hydrophilic Rod-Coil Diblock Copolymer. <i>Biomacromolecules</i> , 2007, 8, 3871-3878.	2.6	135
43	Fabrication of Multiresponsive Shell Cross-Linked Micelles Possessing pH-Controllable Core Swellability and Thermo-Tunable Corona Permeability. <i>Biomacromolecules</i> , 2007, 8, 3184-3192.	2.6	134
44	Fluorescent pH-Sensing Organic/Inorganic Hybrid Mesoporous Silica Nanoparticles with Tunable Redox-Responsive Release Capability. <i>Langmuir</i> , 2010, 26, 15574-15579.	1.6	128
45	Concurrent Drug Unplugging and Permeabilization of Polyprodrug-Gated Crosslinked Vesicles for Cancer Combination Chemotherapy. <i>Advanced Materials</i> , 2018, 30, e1706307.	11.1	127
46	Phase Transition Behavior of Unimolecular Micelles with Thermoresponsive Poly(N-isopropylacrylamide) Coronas. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9132-9139.	1.2	126
47	Amphiphilic Star Copolymer-Based Bimodal Fluorogenic/Magnetic Resonance Probes for Concomitant Bacteria Detection and Inhibition. <i>Advanced Materials</i> , 2014, 26, 6734-6741.	11.1	126
48	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
49	Facile Preparation of Well-Defined AB ₂ Y-Shaped Miktoarm Star Polypeptide Copolymer via the Combination of Ring-Opening Polymerization and Click Chemistry. <i>Biomacromolecules</i> , 2008, 9, 2586-2593.	2.6	123
50	Facile Fabrication of Reversible Core Cross-Linked Micelles Possessing Thermosensitive Swellability. <i>Macromolecules</i> , 2007, 40, 9125-9132.	2.2	121
51	Drug-Loaded and Superparamagnetic Iron Oxide Nanoparticle Surface-Embedded Amphiphilic Block Copolymer Micelles for Integrated Chemotherapeutic Drug Delivery and MR Imaging. <i>Langmuir</i> , 2012, 28, 2073-2082.	1.6	118
52	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	3.2	117
53	Preparation of Shell Cross-Linked Micelles by Polyelectrolyte Complexation. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1389-1392.	7.2	116
54	Synthesis and “Schizophrenic” Micellization of Double Hydrophilic AB ₄ Miktoarm Star and AB Diblock Copolymers: Structure and Kinetics of Micellization. <i>Langmuir</i> , 2007, 23, 1114-1122.	1.6	116

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55	Synthesis of Organic/Inorganic Hybrid Quatrefoil-Shaped Star-Cyclic Polymer Containing a Polyhedral Oligomeric Silsesquioxane Core. <i>Macromolecules</i> , 2009, 42, 2903-2910.	2.2	116
56	Thiol and pH dual-responsive dynamic covalent shell cross-linked micelles for triggered release of chemotherapeutic drugs. <i>Polymer Chemistry</i> , 2013, 4, 695-706.	1.9	114
57	Cytosolic NQO1 Enzyme-Activated Near-Infrared Fluorescence Imaging and Photodynamic Therapy with Polymeric Vesicles. <i>ACS Nano</i> , 2020, 14, 1919-1935.	7.3	114
58	UV Irradiation-Induced Shell Cross-Linked Micelles with pH-Responsive Cores Using ABC Triblock Copolymers. <i>Macromolecules</i> , 2006, 39, 5987-5994.	2.2	113
59	Comparative Study of Temperature-Induced Association of Cyclic and Linear Poly(<i>N</i> -isopropylacrylamide) Chains in Dilute Solutions by Laser Light Scattering and Stopped-Flow Temperature Jump. <i>Macromolecules</i> , 2008, 41, 4416-4422.	2.2	110
60	Highly sensitive and selective fluorometric off-on K ⁺ probe constructed via host-guest molecular recognition and aggregation-induced emission. <i>Journal of Materials Chemistry</i> , 2012, 22, 8622.	6.7	109
61	Polyion Complex Micelles Possessing Thermo-responsive Coronas and Their Covalent Core Stabilization via Click Chemistry. <i>Macromolecules</i> , 2008, 41, 1444-1454.	2.2	105
62	Effect of Chain Length on Cytotoxicity and Endocytosis of Cationic Polymers. <i>Macromolecules</i> , 2011, 44, 2050-2057.	2.2	105
63	Thermo-Induced Formation of Unimolecular and Multimolecular Micelles from Novel Double Hydrophilic Multiblock Copolymers of <i>N</i> -Dimethylacrylamide and <i>N</i> -Isopropylacrylamide. <i>Langmuir</i> , 2007, 23, 13076-13084.	1.6	104
64	Facile preparation of core-crosslinked micelles from azide-containing thermo-responsive double hydrophilic diblock copolymer via click chemistry. <i>Journal of Polymer Science Part A</i> , 2008, 46, 860-871.	2.5	104
65	Acid-Disintegratable Polymersomes of pH-Responsive Amphiphilic Diblock Copolymers for Intracellular Drug Delivery. <i>Macromolecules</i> , 2015, 48, 7262-7272.	2.2	104
66	Synthesis and Self-Assembly of Coil-Rod Double Hydrophilic Diblock Copolymer with Dually Responsive Asymmetric Centipede-Shaped Polymer Brush as the Rod Segment. <i>Macromolecules</i> , 2009, 42, 2916-2924.	2.2	103
67	A mechanistic investigation of mechanochromic luminescent organoboron materials. <i>Journal of Materials Chemistry</i> , 2012, 22, 17332.	6.7	103
68	Double Hydrophilic Block Copolymer Monolayer Protected Hybrid Gold Nanoparticles and Their Shell Cross-Linking. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22159-22166.	1.2	102
69	Supramolecular Self-Assembly of Nonlinear Amphiphilic and Double Hydrophilic Block Copolymers in Aqueous Solutions. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1523-1532.	2.0	101
70	Intracellular Cascade FRET for Temperature Imaging of Living Cells with Polymeric Ratiometric Fluorescent Thermometers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15551-15560.	4.0	101
71	In-Situ Formation of Silver Nanoparticles with Tunable Spatial Distribution at the Poly(<i>N</i> -isopropylacrylamide) Corona of Unimolecular Micelles. <i>Macromolecules</i> , 2006, 39, 8451-8455.	2.2	98
72	Analyte-Reactive Amphiphilic Thermo-responsive Diblock Copolymer Micelles-Based Multifunctional Ratiometric Fluorescent Chemosensors. <i>Macromolecules</i> , 2011, 44, 4699-4710.	2.2	98

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73	Synthesis of well-defined 7-arm and 21-arm poly(<i>N</i> -isopropylacrylamide) star polymers with β -cyclodextrin cores via click chemistry and their thermal phase transition behavior in aqueous solution. <i>Journal of Polymer Science Part A</i> , 2009, 47, 404-419.	2.5	97
74	Syntheses and self-assembly of poly(benzyl ether)- <i>b</i> -poly(<i>N</i> -isopropylacrylamide) dendritic-linear diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1357-1371.	2.5	95
75	Recent advances in the synthesis of polymeric surfactants. <i>Current Opinion in Colloid and Interface Science</i> , 2001, 6, 249-256.	3.4	94
76	Hg ²⁺ -Reactive Double Hydrophilic Block Copolymer Assemblies as Novel Multifunctional Fluorescent Probes with Improved Performance. <i>Langmuir</i> , 2010, 26, 724-729.	1.6	94
77	Purely Salt-Responsive Micelle Formation and Inversion Based on a Novel Schizophrenic Sulfobetaine Block Copolymer: Structure and Kinetics of Micellization. <i>Langmuir</i> , 2007, 23, 11866-11874.	1.6	93
78	pH-Responsive Supramolecular Self-Assembly of Well-Defined Zwitterionic ABC Miktoarm Star Terpolymers. <i>Langmuir</i> , 2009, 25, 4724-4734.	1.6	93
79	Anti-inflammatory polymersomes of redox-responsive polyprodrug amphiphiles with inflammation-triggered indomethacin release characteristics. <i>Biomaterials</i> , 2018, 178, 608-619.	5.7	93
80	Multi-Responsive Supramolecular Double Hydrophilic Diblock Copolymer Driven by Host-Guest Inclusion Complexation between β -Cyclodextrin and Adamantyl Moieties. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 2125-2137.	1.1	90
81	Responsive Polymers-Based Dual Fluorescent Chemosensors for Zn ²⁺ Ions and Temperatures Working in Purely Aqueous Media. <i>Analytical Chemistry</i> , 2011, 83, 2775-2785.	3.2	88
82	Thermo- and light-regulated fluorescence resonance energy transfer processes within dually responsive microgels. <i>Polymer Chemistry</i> , 2011, 2, 363-371.	1.9	87
83	Stimuli-Triggered Off/On Switchable Complexation between a Novel Type of Charge-Generation Polymer (CGP) and Gold Nanoparticles for the Sensitive Colorimetric Detection of Hydrogen Peroxide and Glucose. <i>Macromolecules</i> , 2011, 44, 429-431.	2.2	87
84	PEG-sheddable polyplex micelles as smart gene carriers based on MMP-cleavable peptide-linked block copolymers. <i>Chemical Communications</i> , 2013, 49, 6974.	2.2	87
85	Near-Infrared Light-Activated Photochemical Internalization of Reduction-Responsive Polyprodrug Vesicles for Synergistic Photodynamic Therapy and Chemotherapy. <i>Biomacromolecules</i> , 2017, 18, 2571-2582.	2.6	87
86	First Observation of Two-Stage Collapsing Kinetics of a Single Synthetic Polymer Chain. <i>Physical Review Letters</i> , 2006, 96, 027802.	2.9	86
87	Facile Preparation of Glyconanoparticles and Their Bioconjugation to Streptavidin. <i>Langmuir</i> , 2007, 23, 5056-5061.	1.6	85
88	Light-Triggered Concomitant Enhancement of Magnetic Resonance Imaging Contrast Performance and Drug Release Rate of Functionalized Amphiphilic Diblock Copolymer Micelles. <i>Biomacromolecules</i> , 2012, 13, 3877-3886.	2.6	85
89	Photo- and thermo-responsive multicompartiment hydrogels for synergistic delivery of gemcitabine and doxorubicin. <i>Journal of Controlled Release</i> , 2017, 259, 149-159.	4.8	84
90	Fabrication of Hybrid Nanoparticles with Thermoresponsive Coronas via a Self-Assembling Approach. <i>Macromolecules</i> , 2005, 38, 9813-9820.	2.2	82

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91	Single-Step in Situ Preparation of Polymer-Grafted Multi-Walled Carbon Nanotube Composites under ^{60}Co γ -Ray Irradiation. <i>Chemistry of Materials</i> , 2006, 18, 2929-2934.	3.2	82
92	Reversible Addition-Fragmentation Chain Transfer Polymerization in Microemulsion. <i>Macromolecules</i> , 2006, 39, 4345-4350.	2.2	82
93	Responsive nanogel-based dual fluorescent sensors for temperature and Hg^{2+} ions with enhanced detection sensitivity. <i>Journal of Materials Chemistry</i> , 2010, 20, 10716.	6.7	82
94	Block-Copolymer-Free Strategy for Preparing Micelles and Hollow Spheres: Self-Assembly of Poly(4-vinylpyridine) and Modified Polystyrene. <i>Macromolecules</i> , 2002, 35, 5980-5989.	2.2	81
95	Synthesis and Micellization Properties of Double Hydrophilic A2BA2 and A4BA4 Non-Linear Block Copolymers. <i>Macromolecules</i> , 2006, 39, 8178-8185.	2.2	80
96	Fabrication of Thermoresponsive Cross-Linked Poly(<i>N</i> -isopropylacrylamide) Nanocapsules and Silver Nanoparticle-Embedded Hybrid Capsules with Controlled Shell Thickness. <i>Chemistry of Materials</i> , 2011, 23, 2370-2380.	3.2	79
97	Fabrication of Two Types of Shell-Cross-Linked Micelles with Inverted Structures in Aqueous Solution from Schizophrenic Water-Soluble ABC Triblock Copolymer via Click Chemistry. <i>Langmuir</i> , 2009, 25, 2046-2054.	1.6	78
98	Ultrasensitive ratiometric fluorescent pH and temperature probes constructed from dye-labeled thermoresponsive double hydrophilic block copolymers. <i>Journal of Materials Chemistry</i> , 2011, 21, 19030.	6.7	75
99	Reversible Fluorescence Switching of Spiropyran-Conjugated Biodegradable Nanoparticles for Super-Resolution Fluorescence Imaging. <i>Macromolecules</i> , 2014, 47, 1543-1552.	2.2	75
100	Polyion complex micellar nanoparticles for integrated fluorometric detection and bacteria inhibition in aqueous media. <i>Biomaterials</i> , 2014, 35, 1618-1626.	5.7	75
101	Metal-Chelating and Dansyl-Labeled Poly(<i>N</i> -isopropylacrylamide) Microgels as Fluorescent Cu^{2+} Sensors with Thermo-Enhanced Detection Sensitivity. <i>Langmuir</i> , 2009, 25, 11367-11374.	1.6	74
102	Micelle Formation and Inversion Kinetics of a Schizophrenic Diblock Copolymer. <i>Macromolecules</i> , 2006, 39, 7378-7385.	2.2	73
103	FRET-Derived Ratiometric Fluorescent K^{+} Sensors Fabricated from Thermoresponsive Poly(<i>N</i> -isopropylacrylamide) Microgels Labeled with Crown Ether Moieties. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12213-12220.	1.2	73
104	Reduction-Triggered Transformation of Disulfide-Containing Micelles at Chemically Tunable Rates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8896-8900.	7.2	72
105	pH-Induced Micellization Kinetics of ABC Triblock Copolymers Measured by Stopped-Flow Light Scattering. <i>Macromolecules</i> , 2005, 38, 9803-9812.	2.2	70
106	Supramolecular Thermoresponsive Hyperbranched Polymers Constructed from Poly(<i>N</i> -isopropylacrylamide) Containing One Adamantyl and Two β -Cyclodextrin Terminal Moieties. <i>Macromolecular Rapid Communications</i> , 2011, 32, 68-73.	2.0	70
107	Monodisperse Protein Stabilized Gold Nanoparticles via a Simple Photochemical Process. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12282-12290.	1.5	69
108	Synthesis and supramolecular self-assembly of stimuli-responsive water-soluble Janus-type heteroarm star copolymers. <i>Soft Matter</i> , 2009, 5, 3932.	1.2	69

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109	Fluorescent water-soluble responsive polymers site-specifically labeled with FRET dyes possessing pH- and thermo-modulated multicolor fluorescence emissions as dual ratiometric probes. <i>Journal of Materials Chemistry</i> , 2011, 21, 10321.	6.7	69
110	Thermoresponsive Core Cross-Linked Micelles for Selective Ratiometric Fluorescent Detection of Hg ²⁺ Ions. <i>Langmuir</i> , 2011, 27, 4082-4090.	1.6	69
111	Red-Light-Mediated Photoredox Catalysis Enables Self-Reporting Nitric Oxide Release for Efficient Antibacterial Treatment. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20452-20460.	7.2	69
112	Polymeric nanocarriers possessing thermoresponsive coronas. <i>Soft Matter</i> , 2008, 4, 1745.	1.2	68
113	Aldehyde Surface-Functionalized Shell Cross-Linked Micelles with pH-Tunable Core Swellability and Their Bioconjugation with Lysozyme. <i>Macromolecules</i> , 2007, 40, 9074-9083.	2.2	66
114	Thermosensitive Unimolecular Micelles Surface-Decorated with Gold Nanoparticles of Tunable Spatial Distribution. <i>Chemistry of Materials</i> , 2007, 19, 2489-2494.	3.2	65
115	Synthesis and Aggregation Behavior of Multi-Responsive Double Hydrophilic ABC Miktoarm Star Terpolymer. <i>Macromolecular Rapid Communications</i> , 2009, 30, 941-947.	2.0	65
116	Degradable Thermoresponsive Core Cross-Linked Micelles: Fabrication, Surface Functionalization, and Biorecognition. <i>Langmuir</i> , 2009, 25, 13344-13350.	1.6	65
117	Noncovalently Connected Polymeric Micelles Based on a Homopolymer Pair in Solutions. <i>Macromolecules</i> , 2001, 34, 7172-7178.	2.2	63
118	Cationic Glyconanoparticles: Their Complexation with DNA, Cellular Uptake, and Transfection Efficiencies. <i>Bioconjugate Chemistry</i> , 2009, 20, 2169-2176.	1.8	63
119	A "Holy Trinity" of Micellar Aggregates in Aqueous Solution at Ambient Temperature: Unprecedented Self-Assembly Behavior from a Binary Mixture of a Neutral~Cationic Diblock Copolymer and an Anionic Polyelectrolyte. <i>Macromolecules</i> , 2003, 36, 9994-9998.	2.2	62
120	One-pot synthesis of ABC miktoarm star terpolymers by coupling ATRP, ROP, and click chemistry techniques. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3066-3077.	2.5	62
121	Synthesis of amphiphilic and thermoresponsive ABC miktoarm star terpolymer via a combination of consecutive click reactions and atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4001-4013.	2.5	62
122	pH-Disintegrable Polyelectrolyte Multilayer-Coated Mesoporous Silica Nanoparticles Exhibiting Triggered Co-Release of Cisplatin and Model Drug Molecules. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1082-1089.	2.0	62
123	Redox-responsive core cross-linked micelles based on cypate and cisplatin prodrugs-conjugated block copolymers for synergistic photothermal~chemotherapy of cancer. <i>Polymer Chemistry</i> , 2014, 5, 3707-3718.	1.9	62
124	Photoregulated Cross-Linking of Superparamagnetic Iron Oxide Nanoparticle (SPION) Loaded Hybrid Nanovectors with Synergistic Drug Release and Magnetic Resonance (MR) Imaging Enhancement. <i>Macromolecules</i> , 2017, 50, 1113-1125.	2.2	60
125	Micelles possessing mixed cores and thermoresponsive shells fabricated from well-defined amphiphilic ABC miktoarm star terpolymers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1636-1650.	2.5	59
126	Dual endogenous stimuli-responsive polyplex micelles as smart two-step delivery nanocarriers for deep tumor tissue penetration and combating drug resistance of cisplatin. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1813-1824.	2.9	59

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127	Mixed polymeric micelles as multifunctional scaffold for combined magnetic resonance imaging contrast enhancement and targeted chemotherapeutic drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 5020.	6.7	58
128	Soluble graft-like complexes based on poly(4-vinyl pyridine) and carboxy-terminated polystyrene oligomers due to hydrogen bonding. <i>Polymer</i> , 1999, 40, 5449-5453.	1.8	56
129	Synthesis of amphiphilic copolymer brushes possessing alternating poly(methyl methacrylate) and poly(<i>N</i> -isopropylacrylamide) grafts via a combination of ATRP and click chemistry. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2608-2619.	2.5	56
130	Regulating vesicle bilayer permeability and selectivity via stimuli-triggered polymersome-to-PICs transition. <i>Nature Communications</i> , 2020, 11, 1524.	5.8	56
131	Syntheses and micellar properties of well-defined amphiphilic AB ₂ and A ₂ B Y-shaped miktoarm star copolymers of ϵ -caprolactone and 2-(dimethylamino)ethyl methacrylate. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1446-1462.	2.5	55
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