

Xinyuan Zhu

List of Publications by Year in descending order

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273
papers

15,531
citations

13087

68
h-index

23514

111
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279
all docs

279
docs citations

279
times ranked

15537
citing authors

#	ARTICLE	IF	CITATIONS
1	Combination of Small Molecule Prodrug and Nanodrug Delivery: Amphiphilic Drug-Drug Conjugate for Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2014, 136, 11748-11756.	6.6	628
2	Strong tough hydrogels via the synergy of freeze-casting and salting out. <i>Nature</i> , 2021, 590, 594-599.	13.7	625
3	Self-Assembly of Hyperbranched Polymers and Its Biomedical Applications. <i>Advanced Materials</i> , 2010, 22, 4567-4590.	11.1	503
4	Functional Supramolecular Polymers for Biomedical Applications. <i>Advanced Materials</i> , 2015, 27, 498-526.	11.1	429
5	A Supramolecular Janus Hyperbranched Polymer and Its Photoresponsive Self-Assembly of Vesicles with Narrow Size Distribution. <i>Journal of the American Chemical Society</i> , 2013, 135, 4765-4770.	6.6	330
6	Poly(vinyl alcohol) Hydrogels with Broad-Range Tunable Mechanical Properties via the Hofmeister Effect. <i>Advanced Materials</i> , 2021, 33, e2007829.	11.1	292
7	Biomimetic enzyme nanocomplexes and their use as antidotes and preventive measures for alcohol intoxication. <i>Nature Nanotechnology</i> , 2013, 8, 187-192.	15.6	289
8	Bioapplications of hyperbranched polymers. <i>Chemical Society Reviews</i> , 2015, 44, 4023-4071.	18.7	258
9	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. <i>Journal of the American Chemical Society</i> , 2018, 140, 8005-8019.	6.6	227
10	Supramolecular hydrogels: synthesis, properties and their biomedical applications. <i>Biomaterials Science</i> , 2015, 3, 937-954.	2.6	226
11	Biocompatible or biodegradable hyperbranched polymers: from self-assembly to cytomimetic applications. <i>Chemical Society Reviews</i> , 2012, 41, 5986.	18.7	221
12	Superhydrophobic photothermal icephobic surfaces based on candle soot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11240-11246.	3.3	220
13	Oxygen and Pt(II) self-generating conjugate for synergistic photo-chemo therapy of hypoxic tumor. <i>Nature Communications</i> , 2018, 9, 2053.	5.8	219
14	Oxime Linkage: A Robust Tool for the Design of pH-Sensitive Polymeric Drug Carriers. <i>Biomacromolecules</i> , 2011, 12, 3460-3468.	2.6	192
15	Noble Metal Nanomaterials for NIR-Triggered Photothermal Therapy in Cancer. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001806.	3.9	192
16	Redox-Responsive Polyphosphate Nanosized Assemblies: A Smart Drug Delivery Platform for Cancer Therapy. <i>Biomacromolecules</i> , 2011, 12, 2407-2415.	2.6	188
17	Synthesis and applications of stimuli-responsive hyperbranched polymers. <i>Progress in Polymer Science</i> , 2017, 64, 114-153.	11.8	183
18	Supramolecular Dendritic Polymers: From Synthesis to Applications. <i>Accounts of Chemical Research</i> , 2014, 47, 2006-2016.	7.6	181

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19	Ferroptosis Promotes Photodynamic Therapy: Supramolecular Photosensitizer-Inducer Nanodrug for Enhanced Cancer Treatment. <i>Theranostics</i> , 2019, 9, 3293-3307.	4.6	177
20	Polydopamine-coated nucleic acid nanogel for siRNA-mediated low-temperature photothermal therapy. <i>Biomaterials</i> , 2020, 245, 119976.	5.7	176
21	A Crosslinked Nucleic Acid Nanogel for Effective siRNA Delivery and Antitumor Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3064-3068.	7.2	170
22	Backbone-Thermoresponsive Hyperbranched Polyethers. <i>Journal of the American Chemical Society</i> , 2006, 128, 8144-8145.	6.6	167
23	Hybrid Nanospheres to Overcome Hypoxia and Intrinsic Oxidative Resistance for Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2020, 14, 2183-2190.	7.3	151
24	Photo-responsive polymeric micelles. <i>Soft Matter</i> , 2014, 10, 6121-6138.	1.2	147
25	An Injectable Enzymatically Crosslinked Carboxymethylated Pullulan/Chondroitin Sulfate Hydrogel for Cartilage Tissue Engineering. <i>Scientific Reports</i> , 2016, 6, 20014.	1.6	145
26	Self-crosslinking and injectable hyaluronic acid/RGD-functionalized pectin hydrogel for cartilage tissue engineering. <i>Carbohydrate Polymers</i> , 2017, 166, 31-44.	5.1	135
27	Supramolecular Copolymer Micelles Based on the Complementary Multiple Hydrogen Bonds of Nucleobases for Drug Delivery. <i>Biomacromolecules</i> , 2011, 12, 1370-1379.	2.6	133
28	Bioinspired high-power-density strong contractile hydrogel by programmable elastic recoil. <i>Science Advances</i> , 2020, 6, .	4.7	124
29	Rapid Detection of Exosomal MicroRNAs Using Virus-Mimicking Fusogenic Vesicles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8719-8723.	7.2	123
30	Multifunctional pH-sensitive superparamagnetic iron-oxide nanocomposites for targeted drug delivery and MR imaging. <i>Journal of Controlled Release</i> , 2013, 169, 228-238.	4.8	121
31	Supramolecular polymeric micelles by the host-guest interaction of star-like calix[4]arene and chlorin e6 for photodynamic therapy. <i>Chemical Communications</i> , 2011, 47, 6063.	2.2	118
32	Influence of branching architecture on polymer properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 1277-1286.	2.4	118
33	Chitosan-Based Nanocarriers with pH and Light Dual Response for Anticancer Drug Delivery. <i>Biomacromolecules</i> , 2013, 14, 2601-2610.	2.6	117
34	A small molecule nanodrug consisting of amphiphilic targeting ligand-chemotherapy drug conjugate for targeted cancer therapy. <i>Journal of Controlled Release</i> , 2016, 230, 34-44.	4.8	117
35	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	3.2	117
36	“Breathing” Vesicles with Jellyfish-Like On-Off Switchable Fluorescence Behavior. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11633-11637.	7.2	116

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37	DNA Trojan Horses: Self-Assembled Floxuridine-Containing DNA Polyhedra for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12528-12532.	7.2	110
38	Photo-reversible supramolecular hyperbranched polymer based on host-guest interactions. <i>Polymer Chemistry</i> , 2011, 2, 2771.	1.9	108
39	ROS-responsive nanoparticles based on amphiphilic hyperbranched polyphosphoester for drug delivery: Light-triggered size-reducing and enhanced tumor penetration. <i>Biomaterials</i> , 2019, 211, 68-80.	5.7	107
40	Molecular Self-Assembly of a Homopolymer: An Alternative To Fabricate Drug-Delivery Platforms for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9162-9166.	7.2	100
41	Synthesis, clustering-triggered emission, explosive detection and cell imaging of nonaromatic polyurethanes. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 364-375.	1.7	100
42	Supramolecular ABC Miktoarm Star Terpolymer Based on Host-Guest Inclusion Complexation. <i>Macromolecules</i> , 2012, 45, 5941-5947.	2.2	99
43	A Camptothecin-Grafted DNA Tetrahedron as a Precise Nanomedicine to Inhibit Tumor Growth. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13794-13798.	7.2	97
44	Nucleoside Analogue-Based Supramolecular Nanodrugs Driven by Molecular Recognition for Synergistic Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2018, 140, 8797-8806.	6.6	95
45	Hyperbranched polymers for bioimaging. <i>RSC Advances</i> , 2013, 3, 2071-2083.	1.7	92
46	Aptamer-Functionalized and Backbone Redox-Responsive Hyperbranched Polymer for Targeted Drug Delivery in Cancer Therapy. <i>Biomacromolecules</i> , 2016, 17, 2050-2062.	2.6	92
47	A Virus-Mimicking Nucleic Acid Nanogel Reprograms Microglia and Macrophages for Glioblastoma Therapy. <i>Advanced Materials</i> , 2021, 33, e2006116.	11.1	92
48	Photoluminescent Hyperbranched Poly(amido amine) Containing β -Cyclodextrin as a Nonviral Gene Delivery Vector. <i>Bioconjugate Chemistry</i> , 2011, 22, 1162-1170.	1.8	89
49	Synergistic Combination Chemotherapy of Camptothecin and Floxuridine through Self-Assembly of Amphiphilic Drug-Drug Conjugate. <i>Bioconjugate Chemistry</i> , 2015, 26, 2497-2506.	1.8	88
50	Rapid Detection of Exosomal MicroRNAs Using Virus-Mimicking Fusogenic Vesicles. <i>Angewandte Chemie</i> , 2019, 131, 8811-8815.	1.6	87
51	Combining Two-Photon-Activated Fluorescence Resonance Energy Transfer and Near-Infrared Photothermal Effect of Unimolecular Micelles for Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2016, 10, 10489-10499.	7.3	84
52	Two-in-One Chemogene Assembled from Drug-Integrated Antisense Oligonucleotides To Reverse Chemoresistance. <i>Journal of the American Chemical Society</i> , 2019, 141, 6955-6966.	6.6	84
53	Synthesis and Gene Delivery of Poly(amido amine)s with Different Branched Architecture. <i>Biomacromolecules</i> , 2010, 11, 489-495.	2.6	83
54	DNA tetrahedron-based nanogels for siRNA delivery and gene silencing. <i>Chemical Communications</i> , 2019, 55, 4222-4225.	2.2	83

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55	Platinum(IV) complex-based two-in-one polyprodrug for a combinatorial chemo-photodynamic therapy. <i>Biomaterials</i> , 2018, 177, 67-77.	5.7	82
56	Light-Induced Self-Escape of Spherical Nucleic Acid from Endo/Lysosome for Efficient Non-Cationic Gene Delivery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19168-19174.	7.2	82
57	A supramolecular approach to the preparation of charge-tunable dendritic polycations for efficient gene delivery. <i>Chemical Communications</i> , 2011, 47, 5473-5475.	2.2	81
58	Multiple melting endotherms in melt-crystallized nylon 10,12. <i>Polymer International</i> , 2001, 50, 677-682.	1.6	79
59	Real-Time Monitoring of Anticancer Drug Release with Highly Fluorescent Star-Conjugated Copolymer as a Drug Carrier. <i>Biomacromolecules</i> , 2014, 15, 1355-1364.	2.6	77
60	Dendritic Polymers for Theranostics. <i>Theranostics</i> , 2016, 6, 930-947.	4.6	77
61	Phosphorylcholine polymer nanocapsules prolong the circulation time and reduce the immunogenicity of therapeutic proteins. <i>Nano Research</i> , 2016, 9, 1022-1031.	5.8	77
62	Polymeric Micelles with Water-Insoluble Drug as Hydrophobic Moiety for Drug Delivery. <i>Biomacromolecules</i> , 2011, 12, 2016-2026.	2.6	76
63	Self-Assembled Micelles from an Amphiphilic Hyperbranched Copolymer with Polyphosphate Arms for Drug Delivery. <i>Langmuir</i> , 2010, 26, 10585-10592.	1.6	75
64	Biodegradable Hyperbranched Polyglycerol with Ester Linkages for Drug Delivery. <i>Biomacromolecules</i> , 2012, 13, 3552-3561.	2.6	75
65	Supramolecular amphiphilic multiarm hyperbranched copolymer: synthesis, self-assembly and drug delivery applications. <i>Polymer Chemistry</i> , 2013, 4, 85-94.	1.9	75
66	Stressing the Role of DNA as a Drug Carrier: Synthesis of DNA-Drug Conjugates through Grafting Chemotherapeutics onto Phosphorothioate Oligonucleotides. <i>Advanced Materials</i> , 2019, 31, e1807533.	11.1	75
67	Reversible photoisomerization of azobenzene-containing polymeric systems driven by visible light. <i>Polymer Chemistry</i> , 2013, 4, 912.	1.9	74
68	Carrier-Free Delivery of Precise Drug-Chemogene Conjugates for Synergistic Treatment of Drug-Resistant Cancer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17944-17950.	7.2	73
69	Self-Assembled Nanoparticles of Amphiphilic Twin Drug from Floxuridine and Bendamustine for Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2015, 12, 2328-2336.	2.3	71
70	Star polymer-based unimolecular micelles and their application in bio-imaging and diagnosis. <i>Biomaterials</i> , 2018, 178, 738-750.	5.7	70
71	A redox-responsive cationic supramolecular polymer constructed from small molecules as a promising gene vector. <i>Chemical Communications</i> , 2013, 49, 9845.	2.2	69
72	Injectable Drug-Conjugated DNA Hydrogel for Local Chemotherapy to Prevent Tumor Recurrence. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21441-21449.	4.0	66

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73	A Molecular Recognition Approach To Synthesize Nucleoside Analogue Based Multifunctional Nanoparticles for Targeted Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2017, 139, 14021-14024.	6.6	65
74	Small molecule nanodrugs for cancer therapy. <i>Materials Today Chemistry</i> , 2017, 4, 26-39.	1.7	64
75	A non-cationic nucleic acid nanogel for the delivery of the CRISPR/Cas9 gene editing tool. <i>Nanoscale</i> , 2019, 11, 17211-17215.	2.8	64
76	Construction of a Supramolecular Drug-Drug Delivery System for Non-Small-Cell Lung Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29505-29514.	4.0	63
77	Construction and Application of a pH-Sensitive Nanoreactor via a Double-Hydrophilic Multiarm Hyperbranched Polymer. <i>Langmuir</i> , 2010, 26, 8875-8881.	1.6	62
78	pH-Responsive Aerobic Nanoparticles for Effective Photodynamic Therapy. <i>Theranostics</i> , 2017, 7, 4537-4550.	4.6	60
79	Prodrug-embedded angiogenic vessel-targeting nanoparticle: A positive feedback amplifier in hypoxia-induced chemo-photo therapy. <i>Biomaterials</i> , 2017, 144, 188-198.	5.7	57
80	Supramolecularly engineered phospholipids constructed by nucleobase molecular recognition: upgraded generation of phospholipids for drug delivery. <i>Chemical Science</i> , 2015, 6, 3775-3787.	3.7	56
81	Floxuridine-containing nucleic acid nanogels for anticancer drug delivery. <i>Nanoscale</i> , 2018, 10, 8367-8371.	2.8	56
82	Iron Chelation Nanoparticles with Delayed Saturation as an Effective Therapy for Parkinson Disease. <i>Biomacromolecules</i> , 2017, 18, 461-474.	2.6	55
83	Building Single-Color AIE-Active Reversible Micelles to Interpret Temperature and pH Stimuli in Both Solutions and Cells. <i>Macromolecules</i> , 2018, 51, 5234-5244.	2.2	55
84	Supramolecular cisplatin-vorinostat nanodrug for overcoming drug resistance in cancer synergistic therapy. <i>Journal of Controlled Release</i> , 2017, 266, 36-46.	4.8	54
85	Water-soluble dendritic-linear triblock copolymer-modified magnetic nanoparticles: preparation, characterization and drug release properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 13611.	6.7	53
86	Construction and application of pH-triggered cleavable hyperbranched polyacylhydrazone for drug delivery. <i>Polymer Chemistry</i> , 2011, 2, 1761.	1.9	52
87	Hydrogen peroxide-responsive anticancer hyperbranched polymer micelles for enhanced cell apoptosis. <i>Polymer Chemistry</i> , 2015, 6, 3460-3471.	1.9	52
88	Supramolecular nanoscale drug-delivery system with ordered structure. <i>National Science Review</i> , 2019, 6, 1128-1137.	4.6	52
89	Sequence-Dependent DNA Functionalization of Upconversion Nanoparticles and Their Programmable Assemblies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8133-8137.	7.2	52
90	Prolonging the plasma circulation of proteins by nano-encapsulation with phosphorylcholine-based polymer. <i>Nano Research</i> , 2016, 9, 2424-2432.	5.8	51

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91	Synthesis and therapeutic applications of biocompatible or biodegradable hyperbranched polymers. <i>Polymer Chemistry</i> , 2015, 6, 2794-2812.	1.9	50
92	Copackaging photosensitizer and PD-L1 siRNA in a nucleic acid nanogel for synergistic cancer photoimmunotherapy. <i>Science Advances</i> , 2022, 8, eabn2941.	4.7	50
93	Nanoparticle delivery of Wnt-1 siRNA enhances photodynamic therapy by inhibiting epithelial-mesenchymal transition for oral cancer. <i>Biomaterials Science</i> , 2017, 5, 494-501.	2.6	47
94	Self-Delivery Nanoparticles of Amphiphilic Methotrexate-Gemcitabine Prodrug for Synergistic Combination Chemotherapy via Effect of Deoxyribonucleotide Pools. <i>Bioconjugate Chemistry</i> , 2016, 27, 2722-2733.	1.8	46
95	Tumor-Activated Photosensitization and Size Transformation of Nanodrugs. <i>Advanced Functional Materials</i> , 2021, 31, 2010241.	7.8	44
96	Emission enhancement and application of synthetic green fluorescent protein chromophore analogs. <i>Materials Chemistry Frontiers</i> , 2017, 1, 619-629.	3.2	43
97	Preparation of paclitaxel/chitosan co-assembled core-shell nanofibers for drug-eluting stent. <i>Applied Surface Science</i> , 2017, 393, 299-308.	3.1	43
98	Design and Synthesis of Cationic Drug Carriers Based on Hyperbranched Poly(amine-ester)s. <i>Biomacromolecules</i> , 2010, 11, 575-582.	2.6	42
99	Salt/pH dual-responsive supramolecular brush copolymer micelles with molecular recognition of nucleobases for drug delivery. <i>RSC Advances</i> , 2012, 2, 11953.	1.7	42
100	Dual-responsive aggregation-induced emission-active supramolecular nanoparticles for gene delivery and bioimaging. <i>Chemical Communications</i> , 2016, 52, 7950-7953.	2.2	42
101	Hybrid Polymerization of Vinyl and Hetero-Ring Groups of Glycidyl Methacrylate Resulting in Thermoresponsive Hyperbranched Polymers Displaying a Wide Range of Lower Critical Solution Temperatures. <i>Chemistry - A European Journal</i> , 2009, 15, 7593-7600.	1.7	41
102	pH-Responsive and Gemcitabine-Containing DNA Nanogel To Facilitate the Chemodrug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41082-41090.	4.0	41
103	Fluorescence resonance energy transfer-based drug delivery systems for enhanced photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3772-3788.	2.9	41
104	PEGylated poly(diselenide-phosphate) nanogel as efficient self-delivery nanomedicine for cancer therapy. <i>Polymer Chemistry</i> , 2015, 6, 6498-6508.	1.9	40
105	Aptamers Entirely Built from Therapeutic Nucleoside Analogues for Targeted Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2022, 144, 1493-1497.	6.6	40
106	Controlled Topological Structure of Copolyphosphates by Adjusting Pendant Groups of Cyclic Phosphate Monomers. <i>Macromolecules</i> , 2010, 43, 8416-8423.	2.2	39
107	Cancer Theranostic Nanoparticles Self-Assembled from Amphiphilic Small Molecules with Equilibrium Shift-Induced Renal Clearance. <i>Theranostics</i> , 2016, 6, 1703-1716.	4.6	39
108	Emission enhancement of conjugated polymers through self-assembly of unimolecular micelles to multi-micelle aggregates. <i>Chemical Communications</i> , 2011, 47, 9678.	2.2	38

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109	Facile Approach To Construct Ternary Cocktail Nanoparticles for Cancer Combination Therapy. <i>Bioconjugate Chemistry</i> , 2016, 27, 1564-1568.	1.8	38
110	Tumor-Activated and Metal-Organic Framework Assisted Self-Assembly of Organic Photosensitizers. <i>ACS Nano</i> , 2020, 14, 13056-13068.	7.3	38
111	Design and synthesis of thermo-responsive hyperbranched poly(amine-ester)s as acid-sensitive drug carriers. <i>Polymer Chemistry</i> , 2011, 2, 1661.	1.9	37
112	Enhanced gene transfection efficiency of PDMAEMA by incorporating hydrophobic hyperbranched polymer cores: effect of degree of branching. <i>Polymer Chemistry</i> , 2012, 3, 3324.	1.9	37
113	Synthesis of a Cationic Supramolecular Block Copolymer with Covalent and Noncovalent Polymer Blocks for Gene Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9006-9014.	4.0	37
114	Thermo-Responsive Highly Branched Polyethers by Proton-Transfer Polymerization of 1,2,7,8-Diepoxyoctane and Multiols. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1637-1645.	1.1	36
115	Celecoxib-Induced Self-Assembly of Smart Albumin-Doxorubicin Conjugate for Enhanced Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8555-8565.	4.0	36
116	Systemic antiviral immunization by virus-mimicking nanoparticles-decorated erythrocytes. <i>Nano Today</i> , 2021, 40, 101280.	6.2	36
117	Supercritical carbon dioxide-induced melting temperature depression and crystallization of syndiotactic polypropylene. <i>Polymer Engineering and Science</i> , 2008, 48, 1608-1614.	1.5	35
118	Protein resistant properties of polymers with different branched architecture on a gold surface. <i>Journal of Materials Chemistry</i> , 2012, 22, 23852.	6.7	34
119	DNA Trojan Horses: Self-Assembled Floxuridine-Containing DNA Polyhedra for Cancer Therapy. <i>Angewandte Chemie</i> , 2017, 129, 12702-12706.	1.6	34
120	Hydrogel Ionotronics with Ultra-Low Impedance and High Signal Fidelity across Broad Frequency and Temperature Ranges. <i>Advanced Functional Materials</i> , 2022, 32, 2109506.	7.8	34
121	Temperature-induced fluorescence enhancement of GFP chromophore containing copolymers for detection of <i>Bacillus thermophilus</i> . <i>Polymer Chemistry</i> , 2014, 5, 2521.	1.9	33
122	Self-delivery nanoparticles from an amphiphilic covalent drug couple of irinotecan and bendamustine for cancer combination chemotherapy. <i>RSC Advances</i> , 2015, 5, 86254-86264.	1.7	33
123	A Paclitaxel-Based Mucoadhesive Nanogel with Multivalent Interactions for Cervical Cancer Therapy. <i>Small</i> , 2019, 15, e1903208.	5.2	33
124	Zwitterionic gold nanorods: low toxicity and high photothermal efficacy for cancer therapy. <i>Biomaterials Science</i> , 2017, 5, 686-697.	2.6	32
125	Molecular insights for the biological interactions between polyethylene glycol and cells. <i>Biomaterials</i> , 2017, 147, 1-13.	5.7	32
126	Sequence-Dependent DNA Functionalization of Upconversion Nanoparticles and Their Programmable Assemblies. <i>Angewandte Chemie</i> , 2020, 132, 8210-8214.	1.6	32

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127	Bioreducible unimolecular micelles based on amphiphilic multiarm hyperbranched copolymers for triggered drug release. <i>Science China Chemistry</i> , 2010, 53, 2497-2508.	4.2	31
128	Supramolecular Fluorescent Nanoparticles for Targeted Cancer Imaging. <i>ACS Macro Letters</i> , 2012, 1, 1208-1211.	2.3	31
129	GFP-inspired fluorescent polymer. <i>Polymer Chemistry</i> , 2012, 3, 1975.	1.9	31
130	Reaction-Based Color-Convertible Fluorescent Probe for Ferroptosis Identification. <i>Analytical Chemistry</i> , 2018, 90, 9218-9225.	3.2	31
131	Encapsulating Therapeutic Proteins with Polyzwitterions for Lower Macrophage Nonspecific Uptake and Longer Circulation Time. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7972-7978.	4.0	30
132	Hydrogen Peroxide-Responsive Nanoprobe Assists Circulating Tumor Cell Identification and Colorectal Cancer Diagnosis. <i>Analytical Chemistry</i> , 2017, 89, 5966-5975.	3.2	30
133	“Bottom-up” Construction of Multi-Polyprodrug-Arm Hyperbranched Amphiphiles for Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2017, 28, 1470-1480.	1.8	30
134	Hyperbranched glycoconjugated polymer from natural small molecule kanamycin as a safe and efficient gene vector. <i>Polymer Chemistry</i> , 2011, 2, 2674.	1.9	29
135	Matrix Metalloproteinase Responsive Nanoparticles for Synergistic Treatment of Colorectal Cancer via Simultaneous Anti-Angiogenesis and Chemotherapy. <i>Bioconjugate Chemistry</i> , 2016, 27, 2943-2953.	1.8	29
136	Hydrogen peroxide-response nanoprobe for CD44-targeted circulating tumor cell detection and H ₂ O ₂ analysis. <i>Biomaterials</i> , 2020, 255, 120071.	5.7	29
137	Multicolor Fluorescent Polymers Inspired from Green Fluorescent Protein. <i>Macromolecules</i> , 2015, 48, 5969-5979.	2.2	28
138	Self-Restricted Green Fluorescent Protein Chromophore Analogues: Dramatic Emission Enhancement and Remarkable Solvatochromism. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2935-2944.	2.1	28
139	Color-Convertible, Unimolecular, Micelle-Based, Activatable Fluorescent Probe for Tumor-Specific Detection and Imaging In Vitro and In Vivo. <i>Small</i> , 2017, 13, 1604062.	5.2	28
140	Mustard-inspired delivery shuttle for enhanced blood-brain barrier penetration and effective drug delivery in glioma therapy. <i>Biomaterials Science</i> , 2017, 5, 1041-1050.	2.6	28
141	“Bottom-Up” Construction of Hyperbranched Poly(prodrug-co-photosensitizer) Amphiphiles Unimolecular Micelles for Chemo-Photodynamic Dual Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36675-36687.	4.0	28
142	Endoplasmic Reticulum-Targeted Fluorescent Nanodot with Large Stokes Shift for Vesicular Transport Monitoring and Long-Term Bioimaging. <i>Small</i> , 2018, 14, e1800223.	5.2	28
143	A pure molecular drug hydrogel for post-surgical cancer treatment. <i>Biomaterials</i> , 2021, 265, 120403.	5.7	28
144	Controlling the Particle Size of Interpolymer Complexes through Host-Guest Interaction for Drug Delivery. <i>Langmuir</i> , 2010, 26, 9011-9016.	1.6	27

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145	Real-time self-tracking of an anticancer small molecule nanodrug based on colorful fluorescence variations. <i>RSC Advances</i> , 2016, 6, 12472-12478.	1.7	27
146	Efficient Delivery of mRNA Using Crosslinked Nucleic Acid Nanogel as a Carrier. , 2020, 2, 1509-1515.		27
147	Synthesis of backbone thermo and pH dual-responsive hyperbranched poly(amine-ether)s through proton-transfer polymerization. <i>Journal of Polymer Science Part A</i> , 2011, 49, 966-975.	2.5	26
148	Tirapazamine-embedded polyplatinum(IV) complex: a prodrug combo for hypoxia-activated synergistic chemotherapy. <i>Biomaterials Science</i> , 2020, 8, 694-701.	2.6	26
149	A Redox-Responsive, In-Situ Polymerized Polyplatinum(IV)-Coated Gold Nanorod as An Amplifier of Tumor Accumulation for Enhanced Thermo-Chemotherapy. <i>Biomaterials</i> , 2021, 266, 120400.	5.7	26
150	Rapid and scalable fabrication of ultra-stretchable, anti-freezing conductive gels by cononsolvency effect. <i>EcoMat</i> , 2021, 3, e12085.	6.8	26
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