

Xinyuan Zhu

List of Publications by Citations

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272
papers

11,238
citations

59
h-index

95
g-index

279
ext. papers

13,318
ext. citations

8.7
avg, IF

6.7
L-index

#	Paper	IF	Citations
272	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, 11748-56	16.4	535
271	Self-assembly of hyperbranched polymers and its biomedical applications. <i>Advanced Materials</i> , 2010 , 22, 4567-90	24	451
270	Functional supramolecular polymers for biomedical applications. <i>Advanced Materials</i> , 2015 , 27, 498-526	24	346
269	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, 4765-70	16.4	299
268	Biomimetic enzyme nanocomplexes and their use as antidotes and preventive measures for alcohol intoxication. <i>Nature Nanotechnology</i> , 2013 , 8, 187-92	28.7	238
267	Bioapplications of hyperbranched polymers. <i>Chemical Society Reviews</i> , 2015 , 44, 4023-71	58.5	219
266	Biocompatible or biodegradable hyperbranched polymers: from self-assembly to cytomimetic applications. <i>Chemical Society Reviews</i> , 2012 , 41, 5986-97	58.5	199
265	Redox-responsive polyphosphate nanosized assemblies: a smart drug delivery platform for cancer therapy. <i>Biomacromolecules</i> , 2011 , 12, 2407-15	6.9	180
264	Strong tough hydrogels via the synergy of freeze-casting and salting out. <i>Nature</i> , 2021 , 590, 594-599	50.4	176
263	Oxime linkage: a robust tool for the design of pH-sensitive polymeric drug carriers. <i>Biomacromolecules</i> , 2011 , 12, 3460-8	6.9	174
262	Supramolecular hydrogels: synthesis, properties and their biomedical applications. <i>Biomaterials Science</i> , 2015 , 3, 937-54	7.4	171
261	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8005-8019	16.4	168
260	Supramolecular dendritic polymers: from synthesis to applications. <i>Accounts of Chemical Research</i> , 2014 , 47, 2006-16	24.3	166
259	Backbone-thermo-responsive hyperbranched polyethers. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8144-5	16.4	160
258	Oxygen and Pt(II) self-generating conjugate for synergistic photo-chemo therapy of hypoxic tumor. <i>Nature Communications</i> , 2018 , 9, 2053	17.4	151
257	Synthesis and applications of stimuli-responsive hyperbranched polymers. <i>Progress in Polymer Science</i> , 2017 , 64, 114-153	29.6	144
256	Photo-responsive polymeric micelles. <i>Soft Matter</i> , 2014 , 10, 6121-38	3.6	135

255	Supramolecular copolymer micelles based on the complementary multiple hydrogen bonds of nucleobases for drug delivery. <i>Biomacromolecules</i> , 2011 , 12, 1370-9	6.9	123
254	An Injectable Enzymatically Crosslinked Carboxymethylated Pullulan/Chondroitin Sulfate Hydrogel for Cartilage Tissue Engineering. <i>Scientific Reports</i> , 2016 , 6, 20014	4.9	114
253	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, 6063-5	5.8	111
252	A Crosslinked Nucleic Acid Nanogel for Effective siRNA Delivery and Antitumor Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3064-3068	16.4	108
251	Chitosan-based nanocarriers with pH and light dual response for anticancer drug delivery. <i>Biomacromolecules</i> , 2013 , 14, 2601-10	6.9	107
250	Multifunctional pH-sensitive superparamagnetic iron-oxide nanocomposites for targeted drug delivery and MR imaging. <i>Journal of Controlled Release</i> , 2013 , 169, 228-38	11.7	105
249	"Breathing" vesicles with jellyfish-like on-off switchable fluorescence behavior. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11633-7	16.4	104
248	Influence of branching architecture on polymer properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 1277-1286	2.6	103
247	Photo-reversible supramolecular hyperbranched polymer based on host-guest interactions. <i>Polymer Chemistry</i> , 2011 , 2, 2771	4.9	100
246	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	11.7	99
245	Ferroptosis Promotes Photodynamic Therapy: Supramolecular Photosensitizer-Inducer Nanodrug for Enhanced Cancer Treatment. <i>Theranostics</i> , 2019 , 9, 3293-3307	12.1	98
244	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	11.5	96
243	Polydopamine-coated nucleic acid nanogel for siRNA-mediated low-temperature photothermal therapy. <i>Biomaterials</i> , 2020 , 245, 119976	15.6	94
242	Hybrid Nanospheres to Overcome Hypoxia and Intrinsic Oxidative Resistance for Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2020 , 14, 2183-2190	16.7	92
241	Supramolecular ABC Miktoarm Star Terpolymer Based on Host-Guest Inclusion Complexation. <i>Macromolecules</i> , 2012 , 45, 5941-5947	5.5	92
240	Self-crosslinking and injectable hyaluronic acid/RGD-functionalized pectin hydrogel for cartilage tissue engineering. <i>Carbohydrate Polymers</i> , 2017 , 166, 31-44	10.3	90
239	Molecular self-assembly of a homopolymer: an alternative to fabricate drug-delivery platforms for cancer therapy. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9162-6	16.4	90
238	Hyperbranched polymers for bioimaging. <i>RSC Advances</i> , 2013 , 3, 2071-2083	3.7	86

237	Aptamer-Functionalized and Backbone Redox-Responsive Hyperbranched Polymer for Targeted Drug Delivery in Cancer Therapy. <i>Biomacromolecules</i> , 2016 , 17, 2050-62	6.9	84
236	Photoluminescent hyperbranched poly(amido amine) containing β -cyclodextrin as a nonviral gene delivery vector. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1162-70	6.3	81
235	Poly(vinyl alcohol) Hydrogels with Broad-Range Tunable Mechanical Properties via the Hofmeister Effect. <i>Advanced Materials</i> , 2021 , 33, e2007829	24	79
234	DNA Trojan Horses: Self-Assembled Floxuridine-Containing DNA Polyhedra for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12528-12532	16.4	78
233	Synthesis and gene delivery of poly(amido amine)s with different branched architecture. <i>Biomacromolecules</i> , 2010 , 11, 489-95	6.9	78
232	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	15.6	76
231	A supramolecular approach to the preparation of charge-tunable dendritic polycations for efficient gene delivery. <i>Chemical Communications</i> , 2011 , 47, 5473-5	5.8	76
230	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	16.7	75
229	Synergistic Combination Chemotherapy of Camptothecin and Floxuridine through Self-Assembly of Amphiphilic Drug-Drug Conjugate. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2497-506	6.3	73
228	Real-time monitoring of anticancer drug release with highly fluorescent star-conjugated copolymer as a drug carrier. <i>Biomacromolecules</i> , 2014 , 15, 1355-64	6.9	73
227	Biodegradable hyperbranched polyglycerol with ester linkages for drug delivery. <i>Biomacromolecules</i> , 2012 , 13, 3552-61	6.9	72
226	Self-assembled micelles from an amphiphilic hyperbranched copolymer with polyphosphate arms for drug delivery. <i>Langmuir</i> , 2010 , 26, 10585-92	4	72
225	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1803-1915	7.8	70
224	Polymeric micelles with water-insoluble drug as hydrophobic moiety for drug delivery. <i>Biomacromolecules</i> , 2011 , 12, 2016-26	6.9	70
223	Rapid Detection of Exosomal MicroRNAs Using Virus-Mimicking Fusogenic Vesicles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8719-8723	16.4	68
222	Supramolecular amphiphilic multiarm hyperbranched copolymer: synthesis, self-assembly and drug delivery applications. <i>Polymer Chemistry</i> , 2013 , 4, 85-94	4.9	68
221	Reversible photoisomerization of azobenzene-containing polymeric systems driven by visible light. <i>Polymer Chemistry</i> , 2013 , 4, 912	4.9	65
220	Multiple melting endotherms in melt-crystallized nylon 10,12. <i>Polymer International</i> , 2001 , 50, 677-682	3.3	65

219	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	16.4	65
218	Self-Assembled Nanoparticles of Amphiphilic Twin Drug from Floxuridine and Bendamustine for Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2015 , 12, 2328-36	5.6	64
217	A redox-responsive cationic supramolecular polymer constructed from small molecules as a promising gene vector. <i>Chemical Communications</i> , 2013 , 49, 9845-7	5.8	62
216	A Camptothecin-Grafted DNA Tetrahedron as a Precise Nanomedicine to Inhibit Tumor Growth. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13794-13798	16.4	61
215	Construction and application of a pH-sensitive nanoreactor via a double-hydrophilic multiarm hyperbranched polymer. <i>Langmuir</i> , 2010 , 26, 8875-81	4	61
214	Dendritic Polymers for Theranostics. <i>Theranostics</i> , 2016 , 6, 930-47	12.1	60
213	Synthesis, clustering-triggered emission, explosive detection and cell imaging of nonaromatic polyurethanes. <i>Molecular Systems Design and Engineering</i> , 2018 , 3, 364-375	4.6	58
212	Phosphorylcholine polymer nanocapsules prolong the circulation time and reduce the immunogenicity of therapeutic proteins. <i>Nano Research</i> , 2016 , 9, 1022-1031	10	58
211	DNA tetrahedron-based nanogels for siRNA delivery and gene silencing. <i>Chemical Communications</i> , 2019 , 55, 4222-4225	5.8	58
210	Platinum(IV) complex-based two-in-one polyprodrug for a combinatorial chemo-photodynamic therapy. <i>Biomaterials</i> , 2018 , 177, 67-77	15.6	58
209	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	16.4	55
208	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	16.4	55
207	Small molecule nanodrugs for cancer therapy. <i>Materials Today Chemistry</i> , 2017 , 4, 26-39	6.2	54
206	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	24	51
205	pH-Responsive Aerobic Nanoparticles for Effective Photodynamic Therapy. <i>Theranostics</i> , 2017 , 7, 4537-4550	15.5	51
204	Water-soluble dendritic-linear triblock copolymer-modified magnetic nanoparticles: preparation, characterization and drug release properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13611		51
203	Bioinspired high-power-density strong contractile hydrogel by programmable elastic recoil. <i>Science Advances</i> , 2020 , 6,	14.3	50
202	Supramolecularly engineered phospholipids constructed by nucleobase molecular recognition: upgraded generation of phospholipids for drug delivery. <i>Chemical Science</i> , 2015 , 6, 3775-3787	9.4	49

201	Construction and application of pH-triggered cleavable hyperbranched polyacylhydrazone for drug delivery. <i>Polymer Chemistry</i> , 2011 , 2, 1761	4.9	49
200	Star polymer-based unimolecular micelles and their application in bio-imaging and diagnosis. <i>Biomaterials</i> , 2018 , 178, 738-750	15.6	48
199	Synthesis and therapeutic applications of biocompatible or biodegradable hyperbranched polymers. <i>Polymer Chemistry</i> , 2015 , 6, 2794-2812	4.9	46
198	Prodrug-embedded angiogenic vessel-targeting nanoparticle: A positive feedback amplifier in hypoxia-induced chemo-photo therapy. <i>Biomaterials</i> , 2017 , 144, 188-198	15.6	46
197	Hydrogen peroxide-responsive anticancer hyperbranched polymer micelles for enhanced cell apoptosis. <i>Polymer Chemistry</i> , 2015 , 6, 3460-3471	4.9	46
196	Prolonging the plasma circulation of proteins by nano-encapsulation with phosphorylcholine-based polymer. <i>Nano Research</i> , 2016 , 9, 2424-2432	10	45
195	Iron Chelation Nanoparticles with Delayed Saturation as an Effective Therapy for Parkinson Disease. <i>Biomacromolecules</i> , 2017 , 18, 461-474	6.9	44
194	Supramolecular cisplatin-vorinostat nanodrug for overcoming drug resistance in cancer synergistic therapy. <i>Journal of Controlled Release</i> , 2017 , 266, 36-46	11.7	44
193	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	9.5	44
192	Noble Metal Nanomaterials for NIR-Triggered Photothermal Therapy in Cancer. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001806	10.1	44
191	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	5.5	42
190	Salt/pH dual-responsive supramolecular brush copolymer micelles with molecular recognition of nucleobases for drug delivery. <i>RSC Advances</i> , 2012 , 2, 11953	3.7	38
189	Controlled Topological Structure of Copolyphosphates by Adjusting Pendant Groups of Cyclic Phosphate Monomers. <i>Macromolecules</i> , 2010 , 43, 8416-8423	5.5	38
188	Design and synthesis of cationic drug carriers based on hyperbranched poly(amine-ester)s. <i>Biomacromolecules</i> , 2010 , 11, 575-82	6.9	38
187	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, 7593-600	4.8	38
186	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	16.4	38
185	A non-cationic nucleic acid nanogel for the delivery of the CRISPR/Cas9 gene editing tool. <i>Nanoscale</i> , 2019 , 11, 17211-17215	7.7	37
184	Dual-responsive aggregation-induced emission-active supramolecular nanoparticles for gene delivery and bioimaging. <i>Chemical Communications</i> , 2016 , 52, 7950-3	5.8	37

183	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	6.3	37
182	Floxuridine-containing nucleic acid nanogels for anticancer drug delivery. <i>Nanoscale</i> , 2018 , 10, 8367-8377	7.7	36
181	Design and synthesis of thermo-responsive hyperbranched poly(amine-ester)s as acid-sensitive drug carriers. <i>Polymer Chemistry</i> , 2011 , 2, 1661	4.9	36
180	Emission enhancement of conjugated polymers through self-assembly of unimolecular micelles to multi-micelle aggregates. <i>Chemical Communications</i> , 2011 , 47, 9678-80	5.8	35
179	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	2.6	35
178	Cancer Theranostic Nanoparticles Self-Assembled from Amphiphilic Small Molecules with Equilibrium Shift-Induced Renal Clearance. <i>Theranostics</i> , 2016 , 6, 1703-16	12.1	35
177	PEGylated poly(diselenide-phosphate) nanogel as efficient self-delivery nanomedicine for cancer therapy. <i>Polymer Chemistry</i> , 2015 , 6, 6498-6508	4.9	34
176	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	16.4	34
175	Preparation of paclitaxel/chitosan co-assembled core-shell nanofibers for drug-eluting stent. <i>Applied Surface Science</i> , 2017 , 393, 299-308	6.7	34
174	Protein resistant properties of polymers with different branched architecture on a gold surface. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23852		34
173	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	9.5	32
172	Facile Approach To Construct Ternary Cocktail Nanoparticles for Cancer Combination Therapy. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1564-8	6.3	32
171	Enhanced gene transfection efficiency of PDMAEMA by incorporating hydrophobic hyperbranched polymer cores: effect of degree of branching. <i>Polymer Chemistry</i> , 2012 , 3, 3324	4.9	32
170	Supramolecular nanoscale drug-delivery system with ordered structure. <i>National Science Review</i> , 2019 , 6, 1128-1137	10.8	31
169	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	3.7	31
168	Temperature-induced fluorescence enhancement of GFP chromophore containing copolymers for detection of <i>Bacillus thermophilus</i> . <i>Polymer Chemistry</i> , 2014 , 5, 2521	4.9	31
167	Emission enhancement and application of synthetic green fluorescent protein chromophore analogs. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 619-629	7.8	31
166	Supercritical carbon dioxide-induced melting temperature depression and crystallization of syndiotactic polypropylene. <i>Polymer Engineering and Science</i> , 2008 , 48, 1608-1614	2.3	31

165	Celecoxib-Induced Self-Assembly of Smart Albumin-Doxorubicin Conjugate for Enhanced Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8555-8565	9.5	30
164	DNA Trojan Horses: Self-Assembled Floxuridine-Containing DNA Polyhedra for Cancer Therapy. <i>Angewandte Chemie</i> , 2017 , 129, 12702-12706	3.6	30
163	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	7.4	29
162	Zwitterionic gold nanorods: low toxicity and high photothermal efficacy for cancer therapy. <i>Biomaterials Science</i> , 2017 , 5, 686-697	7.4	29
161	GFP-inspired fluorescent polymer. <i>Polymer Chemistry</i> , 2012 , 3, 1975	4.9	29
160	Bioreducible unimolecular micelles based on amphiphilic multiarm hyperbranched copolymers for triggered drug release. <i>Science China Chemistry</i> , 2010 , 53, 2497-2508	7.9	29
159	Encapsulating Therapeutic Proteins with Polyzwitterions for Lower Macrophage Nonspecific Uptake and Longer Circulation Time. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7972-7978	9.5	28
158	A Virus-Mimicking Nucleic Acid Nanogel Reprograms Microglia and Macrophages for Glioblastoma Therapy. <i>Advanced Materials</i> , 2021 , 33, e2006116	24	28
157	Supramolecular Fluorescent Nanoparticles for Targeted Cancer Imaging. <i>ACS Macro Letters</i> , 2012 , 1, 1208-1211	6.6	27
156	Controlling the particle size of interpolymer complexes through host-guest interaction for drug delivery. <i>Langmuir</i> , 2010 , 26, 9011-6	4	27
155	Injectable Drug-Conjugated DNA Hydrogel for Local Chemotherapy to Prevent Tumor Recurrence. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21441-21449	9.5	27
154	"Bottom-up" Construction of Multi-Polyprodrug-Arm Hyperbranched Amphiphiles for Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1470-1480	6.3	26
153	Multicolor Fluorescent Polymers Inspired from Green Fluorescent Protein. <i>Macromolecules</i> , 2015 , 48, 5969-5979	5.5	25
152	Matrix Metalloproteinase Responsive Nanoparticles for Synergistic Treatment of Colorectal Cancer via Simultaneous Anti-Angiogenesis and Chemotherapy. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2943-2953	6.3	25
151	Size-controlled preparation of magnetic iron oxide nanocrystals within hyperbranched polymers and their magnetofection in vitro. <i>Journal of Materials Chemistry</i> , 2012 , 22, 355-360		25
150	Real-time self-tracking of an anticancer small molecule nanodrug based on colorful fluorescence variations. <i>RSC Advances</i> , 2016 , 6, 12472-12478	3.7	24
149	Hyperbranched glycoconjugated polymer from natural small molecule kanamycin as a safe and efficient gene vector. <i>Polymer Chemistry</i> , 2011 , 2, 2674	4.9	24
148	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	24

147	Hydrogen Peroxide-Responsive Nanoprobe Assists Circulating Tumor Cell Identification and Colorectal Cancer Diagnosis. <i>Analytical Chemistry</i> , 2017 , 89, 5966-5975	7.8	23
146	Sequence-Dependent DNA Functionalization of Upconversion Nanoparticles and Their Programmable Assemblies. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8133-8137	16.4	23
145	Fluorescence resonance energy transfer-based drug delivery systems for enhanced photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3772-3788	7.3	23
144	"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	9.5	22
143	A Crosslinked Nucleic Acid Nanogel for Effective siRNA Delivery and Antitumor Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 3118-3122	3.6	22
142	The effect of a branched architecture on the antimicrobial activity of poly(sulfone amines) and poly(sulfone amine)/silver nanocomposites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15227		22
141	pH-Responsive and Gemcitabine-Containing DNA Nanogel To Facilitate the Chemodrug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41082-41090	9.5	21
140	Self-assembly and optical properties of a porphyrin-based amphiphile. <i>Nanoscale</i> , 2014 , 6, 4544-50	7.7	21
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	11	20
138	Reduction-responsive amphiphilic polymeric prodrugs of camptothecin-polyphosphoester for cancer chemotherapy. <i>Biomaterials Science</i> , 2018 , 6, 1403-1413	7.4	20
137	pH-responsive flower-like micelles constructed via oxime linkage for anticancer drug delivery. <i>RSC Advances</i> , 2014 , 4, 48943-48951	3.7	20
136	A tumor pH-responsive complex: carboxyl-modified hyperbranched polyether and cis-dichlorodiammineplatinum(II). <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 88, 674-81	6	20
135	Crystalline transition in Nylon 10 10. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 1282-1285	4.8	20
134	Self-Restricted Green Fluorescent Protein Chromophore Analogues: Dramatic Emission Enhancement and Remarkable Solvatofluorochromism. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2935-44	6.4	19
133	Designing hyperbranched polymers for gene delivery. <i>Molecular Systems Design and Engineering</i> , 2016 , 1, 25-39	4.6	19
132	Molecular insights for the biological interactions between polyethylene glycol and cells. <i>Biomaterials</i> , 2017 , 147, 1-13	15.6	19
131	Self-Assembled Polyprodrug Amphiphile for Subcutaneous Xenograft Tumor Inhibition with Prolonged Acting Time In Vivo. <i>Macromolecular Bioscience</i> , 2017 , 17, 1700174	5.5	19
130	Highly fluorescent core-shell hybrid nanoparticles templated by a unimolecular star conjugated polymer for a biological tool. <i>Chemical Communications</i> , 2012 , 48, 11954-6	5.8	19

129	Using 2D NMR to determine the degree of branching of complicated hyperbranched polymers. <i>Science in China Series B: Chemistry</i> , 2008 , 51, 1057-1065		19
128	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	7.4	18
127	Cationic long-chain hyperbranched poly(ethylene glycol)s with low charge density for gene delivery. <i>Polymer Chemistry</i> , 2013 , 4, 393-401	4.9	18
126	Fluorescent Unimolecular Conjugated Polymeric Micelles for Biological Applications. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 266-283	2.6	18
125	Tumor-Activated Photosensitization and Size Transformation of Nanodrugs. <i>Advanced Functional Materials</i> , 2021 , 31, 2010241	15.6	18
124	Nanocapsules of therapeutic proteins with enhanced stability and long blood circulation for hyperuricemia management. <i>Journal of Controlled Release</i> , 2017 , 255, 54-61	11.7	17
123	Supramolecular Fluorescent Nanoparticles Constructed via Multiple Non-Covalent Interactions for the Detection of Hydrogen Peroxide in Cancer Cells. <i>Chemistry - A European Journal</i> , 2015 , 21, 11427-34	4.8	17
122	Multi-color cell imaging under identical excitation conditions with salicylideneaniline analogue-based fluorescent nanoparticles. <i>RSC Advances</i> , 2014 , 4, 62021-62029	3.7	17
121	Backbone-Thermoresponsive Hyperbranched Polyglycerol by Random Copolymerization of Glycidol and 3-Methyl-3-(hydroxymethyl)oxetane. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1056-1062	2.6	17
120	Endoplasmic Reticulum-Targeted Fluorescent Nanodot with Large Stokes Shift for Vesicular Transport Monitoring and Long-Term Bioimaging. <i>Small</i> , 2018 , 14, e1800223	11	17
119	Synthesis and self-assembly of nonamphiphilic hyperbranched polyoximes. <i>Soft Matter</i> , 2012 , 8, 10017	3.6	16
118	A NIR-triggered gatekeeper of supramolecular conjugated unimicelles with two-photon absorption for controlled drug release. <i>Chemical Communications</i> , 2019 , 55, 6735-6738	5.8	15
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- 3 Inorganic-Ligand Quantum Dots Meet Inorganic-Ligand Semiconductor Nanoplatelets: A Promising Fusion to Construct All-Inorganic Assembly. *Inorganic Chemistry*, **2021**, 60, 6994-6998 5.1
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- 1 l-Asparaginase In Situ Encapsulated into Zwitterionic Nanocapsules with a Prolonged Half-Life. *ACS Applied Polymer Materials*, **2022**, 4, 2757-2766 4.3