Jianjun Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

215 papers	21,458 citations	8732 75 h-index	10127 140 g-index
227 all docs	227 docs citations	227 times ranked	24723 citing authors

#	Article	IF	Citations
1	Targeted nanoparticle-aptamer bioconjugates for cancer chemotherapy in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6315-6320.	3.3	1,595
2	Formulation of functionalized PLGAâ€“PEG nanoparticles for in vivo targeted drug delivery. Biomaterials, 2007, 28, 869-876.	5.7	1,151
3	Bioresorbable silicon electronic sensors for the brain. Nature, 2016, 530, 71-76.	13.7	778
4	Dynamic urea bond for the design of reversible and self-healing polymers. Nature Communications, 2014, 5, 3218.	5.8	738
5	Investigating the optimal size of anticancer nanomedicine. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15344-15349.	3.3	523
6	Nonporous silica nanoparticles for nanomedicine application. Nano Today, 2013, 8, 290-312.	6.2	416
7	Sequentially Responsive Shellâ€Stacked Nanoparticles for Deep Penetration into Solid Tumors. Advanced Materials, 2017, 29, 1701170.	11.1	360
8	Controlling size, shape and homogeneity of embryoid bodies using poly(ethylene glycol) microwells. Lab on A Chip, 2007, 7, 786.	3.1	344
9	Reversible Cellâ€Specific Drug Delivery with Aptamerâ€Functionalized Liposomes. Angewandte Chemie - International Edition, 2009, 48, 6494-6498.	7.2	343
10	Protein corona significantly reduces active targeting yield. Chemical Communications, 2013, 49, 2557.	2.2	321
11	Malleable and Recyclable Poly(ureaâ€urethane) Thermosets bearing Hindered Urea Bonds. Advanced Materials, 2016, 28, 7646-7651.	11.1	318
12	Dimeric Drug Polymeric Nanoparticles with Exceptionally High Drug Loading and Quantitative Loading Efficiency. Journal of the American Chemical Society, 2015, 137, 3458-3461.	6.6	294
13	Synthetic polypeptides: from polymer design to supramolecular assembly and biomedical application. Chemical Society Reviews, 2017, 46, 6570-6599.	18.7	290
14	Macrophage-Membrane-Coated Nanoparticles for Tumor-Targeted Chemotherapy. Nano Letters, 2018, 18, 1908-1915.	4.5	289
15	Translocation of HIV TAT peptide and analogues induced by multiplexed membrane and cytoskeletal interactions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16883-16888.	3.3	287
16	In vitro selection of a sodium-specific DNAzyme and its application in intracellular sensing. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5903-5908.	3.3	287
17	Selective in vivo metabolic cell-labeling-mediated cancer targeting. Nature Chemical Biology, 2017, 13, 415-424.	3.9	274
18	Hexamethyldisilazane-Mediated Controlled Polymerization of Î±-Amino Acid N-Carboxyanhydrides. Journal of the American Chemical Society, 2007, 129, 14114-14115.	6.6	272

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19	Anticancer Polymeric Nanomedicines. Polymer Reviews, 2007, 47, 345-381.	5.3	270
20	Materials, Designs, and Operational Characteristics for Fully Biodegradable Primary Batteries. Advanced Materials, 2014, 26, 3879-3884.	11.1	263
21	Recent advances in amino acid N-carboxyanhydrides and synthetic polypeptides: chemistry, self-assembly and biological applications. Chemical Communications, 2014, 50, 139-155.	2.2	256
22	Near IR Heptamethine Cyanine Dyeâ€“Mediated Cancer Imaging. Clinical Cancer Research, 2010, 16, 2833-2844.	3.2	248
23	High Drug Loading and Sub-Quantitative Loading Efficiency of Polymeric Micelles Driven by Donorâ€“Receptor Coordination Interactions. Journal of the American Chemical Society, 2018, 140, 1235-1238.	6.6	236
24	Spatiotemporal controlled delivery of nanoparticles to injured vasculature. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2213-2218.	3.3	231
25	Ionic polypeptides with unusual helical stability. Nature Communications, 2011, 2, 206.	5.8	227
26	Nonviral gene editing via CRISPR/Cas9 delivery by membrane-disruptive and endosomolytic helical polypeptide. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4903-4908.	3.3	223
27	Micropatterned cell co-cultures using layer-by-layer deposition of extracellular matrix components. Biomaterials, 2006, 27, 1479-1486.	5.7	220
28	Preclinical Efficacy of the Camptothecin-Polymer Conjugate IT-101 in Multiple Cancer Models. Clinical Cancer Research, 2006, 12, 1606-1614.	3.2	213
29	Synthesis of Linear, Î²-Cyclodextrin-Based Polymers and Their Camptothecin Conjugates. Bioconjugate Chemistry, 2003, 14, 1007-1017.	1.8	197
30	Targeted delivery of RNA-cleaving DNA enzyme (DNAzyme) to tumor tissue by transferrin-modified, cyclodextrin-based particles. Cancer Biology and Therapy, 2004, 3, 641-650.	1.5	190
31	Paclitaxelâ€Initiated, Controlled Polymerization of Lactide for the Formulation of Polymeric Nanoparticulate Delivery Vehicles. Angewandte Chemie - International Edition, 2008, 47, 4830-4834.	7.2	175
32	Smart chemistry in polymeric nanomedicine. Chemical Society Reviews, 2014, 43, 6982-7012.	18.7	171
33	Selective delivery of an anticancer drug with aptamer-functionalized liposomes to breast cancer cells in vitro and in vivo. Journal of Materials Chemistry B, 2013, 1, 5288.	2.9	167
34	Helical antimicrobial polypeptides with radial amphiphilicity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13155-13160.	3.3	166
35	Synthesis and Biological Response of Size-Specific, Monodisperse Drugâ€“Silica Nanoconjugates. ACS Nano, 2012, 6, 3954-3966.	7.3	163
36	Reactive and Bioactive Cationic Î±â€Helical Polypeptide Template for Nonviral Gene Delivery. Angewandte Chemie - International Edition, 2012, 51, 1143-1147.	7.2	162

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37	Redox-Responsive, Core-Cross-Linked Micelles Capable of On-Demand, Concurrent Drug Release and Structure Disassembly. Biomacromolecules, 2013, 14, 3706-3712.	2.6	160
38	Microfluidic System for Studying the Interaction of Nanoparticles and Microparticles with Cells. Analytical Chemistry, 2005, 77, 5453-5459.	3.2	159
39	N-Trimethylsilyl Amines for Controlled Ring-Opening Polymerization of Amino Acid N-Carboxyanhydrides and Facile End Group Functionalization of Polypeptides. Journal of the American Chemical Society, 2008, 130, 12562-12563.	6.6	157
40	Lightâ€Responsive Helical Polypeptides Capable of Reducing Toxicity and Unpacking DNA: Toward Nonviral Gene Delivery. Angewandte Chemie - International Edition, 2013, 52, 9182-9186.	7.2	148
41	Size-Dependent Tumor Penetration and in Vivo Efficacy of Monodisperse Drugâ€“Silica Nanoconjugates. Molecular Pharmaceutics, 2013, 10, 883-892.	2.3	145
42	Pharmacokinetics and biodistribution of the camptothecinâ€“polymer conjugate IT-101 in rats and tumor-bearing mice. Cancer Chemotherapy and Pharmacology, 2006, 57, 654-662.	1.1	139
43	Hydrolyzable Polyureas Bearing Hindered Urea Bonds. Journal of the American Chemical Society, 2014, 136, 16974-16977.	6.6	138
44	Helical poly(arginine) mimics with superior cell-penetrating and molecular transporting properties. Chemical Science, 2013, 4, 3839.	3.7	134
45	Chainâ€Shattering Polymeric Therapeutics with Onâ€Demand Drugâ€Release Capability. Angewandte Chemie - International Edition, 2013, 52, 6435-6439.	7.2	132
46	Ring-Opening Polymerization-Mediated Controlled Formulation of Polylactideâ^'Drug Nanoparticles. Journal of the American Chemical Society, 2009, 131, 4744-4754.	6.6	131
47	Cooperative polymerization of Î±-helices induced by macromolecular architecture. Nature Chemistry, 2017, 9, 614-622.	6.6	125
48	Magnetically Responsive Polymeric Microparticles for Oral Delivery of Protein Drugs. Pharmaceutical Research, 2006, 23, 557-564.	1.7	122
49	High-efficiency motor neuron differentiation from human pluripotent stem cells and the function of Islet-1. Nature Communications, 2014, 5, 3449.	5.8	121
50	Selective killing of Helicobacter pylori with pH-responsive helixâ€“coil conformation transitionable antimicrobial polypeptides. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12675-12680.	3.3	121
51	The formulation of aptamer-coated paclitaxelâ€“polylactide nanoconjugates and their targeting to cancer cells. Biomaterials, 2010, 31, 3043-3053.	5.7	120
52	Recent advances in design of antimicrobial peptides and polypeptides toward clinical translation. Advanced Drug Delivery Reviews, 2021, 170, 261-280.	6.6	120
53	Nonâ€Viral Gene Delivery via Membraneâ€Penetrating, Mannoseâ€Targeting Supramolecular Selfâ€Assembled Nanocomplexes. Advanced Materials, 2013, 25, 3063-3070.	11.1	119
54	Structureâ^'Function Correlation of Chloroquine and Analogues as Transgene Expression Enhancers in Nonviral Gene Delivery. Journal of Medicinal Chemistry, 2006, 49, 6522-6531.	2.9	118

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55	Redox-Responsive, Core Cross-Linked Polyester Micelles. ACS Macro Letters, 2013, 2, 40-44.	2.3	116
56	Antitumor Activity of Î²-Cyclodextrin Polymerâ˜Camptothecin Conjugates. Molecular Pharmaceutics, 2004, 1, 183-193.	2.3	115
57	Secondary structures in synthetic polypeptides from N-carboxyanhydrides: design, modulation, association, and material applications. Chemical Society Reviews, 2018, 47, 7401-7425.	18.7	115
58	Synthesis of Polypeptides by Ring-Opening Polymerization of Î±-Amino Acid N-Carboxyanhydrides. Topics in Current Chemistry, 2011, 310, 1-26.	4.0	114
59	Bacteriaâ€Assisted Activation of Antimicrobial Polypeptides by a Randomâ€Coil to Helix Transition. Angewandte Chemie - International Edition, 2017, 56, 10826-10829.	7.2	108
60	Suppression of Hepatic Inflammation via Systemic siRNA Delivery by Membrane-Disruptive and Endosomolytic Helical Polypeptide Hybrid Nanoparticles. ACS Nano, 2016, 10, 1859-1870.	7.3	107
61	One-Pot Synthesis of Brush-Like Polymers via Integrated Ring-Opening Metathesis Polymerization and Polymerization of Amino Acid N-Carboxyanhydrides. Journal of the American Chemical Society, 2009, 131, 13582-13583.	6.6	106
62	Polyvalent Mesoporous Silica Nanoparticleâ€Aptamer Bioconjugates Target Breast Cancer Cells. Advanced Healthcare Materials, 2012, 1, 567-572.	3.9	101
63	Effective and Selective Antiâ€Cancer Protein Delivery via Allâ€Functionsâ€inâ€One Nanocarriers Coupled with Visible Lightâ€Responsive, Reversible Protein Engineering. Advanced Functional Materials, 2018, 28, 1706710.	7.8	98
64	Aptamerâ€Functionalized, Ultraâ€Small, Monodisperse Silica Nanoconjugates for Targeted Dualâ€Modal Imaging of Lymph Nodes with Metastatic Tumors. Angewandte Chemie - International Edition, 2012, 51, 12721-12726.	7.2	96
65	Poly(iohexol) Nanoparticles As Contrast Agents for in Vivo X-ray Computed Tomography Imaging. Journal of the American Chemical Society, 2013, 135, 13620-13623.	6.6	92
66	Trigger-responsive, fast-degradable poly(Î²-amino ester)s for enhanced DNA unpackaging and reduced toxicity. Biomaterials, 2014, 35, 5006-5015.	5.7	91
67	Synthesis and Biomedical Applications of Functional Poly(Î±-hydroxy acids) via Ring-Opening Polymerization of O-Carboxyanhydrides. Accounts of Chemical Research, 2015, 48, 1777-1787.	7.6	91
68	Nanogelâ€Incorporated Physical and Chemical Hybrid Gels for Highly Effective Chemoâ€“Protein Combination Therapy. Advanced Functional Materials, 2015, 25, 6744-6755.	7.8	90
69	Singlet oxygen-responsive micelles for enhanced photodynamic therapy. Journal of Controlled Release, 2017, 260, 12-21.	4.8	90
70	Synthesis of polypeptides via bioinspired polymerization of in situ purified N -carboxyanhydrides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10658-10663.	3.3	87
71	The effect of side-chain functionality and hydrophobicity on the gene delivery capabilities of cationic helical polypeptides. Biomaterials, 2014, 35, 3443-3454.	5.7	85
72	Supramolecular Selfâ€Assembled Nanoparticles Mediate Oral Delivery of Therapeutic TNFâ€Î± siRNA against Systemic Inflammation. Angewandte Chemie - International Edition, 2013, 52, 5757-5761.	7.2	84

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73	Recent Advances and Future Perspectives of Synthetic Polypeptides from N-Carboxyanhydrides. Macromolecules, 2019, 52, 8521-8539.	2.2	84
74	The therapeutic efficacy of camptothecin-encapsulated supramolecular nanoparticles. Biomaterials, 2012, 33, 1162-1169.	5.7	82
75	Selfâ€Assembly of Î±â€Helical Polypeptides Driven by Complex Coacervation. Angewandte Chemie - International Edition, 2015, 54, 11128-11132.	7.2	81
76	Reconfiguring the architectures of cationic helical polypeptides to control non-viral gene delivery. Biomaterials, 2013, 34, 2340-2349.	5.7	80
77	Polylactideâ€cyclosporin A nanoparticles for targeted immunosuppression. FASEB Journal, 2010, 24, 3927-3938.	0.2	78
78	Targeted Ultrasoundâ€Assisted Cancerâ€Selective Chemical Labeling and Subsequent Cancer Imaging using Click Chemistry. Angewandte Chemie - International Edition, 2016, 55, 5452-5456.	7.2	76
79	Water-Soluble Polypeptides with Elongated, Charged Side Chains Adopt Ultrastable Helical Conformations. Macromolecules, 2011, 44, 6641-6644.	2.2	73
80	Targeted Delivery of Immunomodulators to Lymph Nodes. Cell Reports, 2016, 15, 1202-1213.	2.9	73
81	Pamidronate functionalized nanoconjugates for targeted therapy of focal skeletal malignant osteolysis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4601-9.	3.3	71
82	Drug-Initiated Ring-Opening Polymerization of O-Carboxyanhydrides for the Preparation of Anticancer Drugâ€“Poly(O-carboxyanhydride) Nanoconjugates. Biomacromolecules, 2013, 14, 920-929.	2.6	70
83	Targeting Tumor Vasculature with Aptamer-Functionalized Doxorubicinâ€“Polylactide Nanoconjugates for Enhanced Cancer Therapy. ACS Nano, 2015, 9, 5072-5081.	7.3	70
84	Facile Functionalization of Polyesters through Thiol-yne Chemistry for the Design of Degradable, Cell-Penetrating and Gene Delivery Dual-Functional Agents. Biomacromolecules, 2012, 13, 3456-3462.	2.6	68
85	Biodegradable Polyanhydrides as Encapsulation Layers for Transient Electronics. Advanced Functional Materials, 2020, 30, 2000941.	7.8	67
86	The use of charge-coupled polymeric microparticles and micromagnets for modulating the bioavailability of orally delivered macromolecules. Biomaterials, 2008, 29, 1216-1223.	5.7	63
87	Photoinduced Metal-Free Atom Transfer Radical Polymerization of Biomass-Based Monomers. Macromolecules, 2016, 49, 7709-7717.	2.2	63
88	Recyclable, Self-Healable, and Highly Malleable Poly(urethane-urea)s with Improved Thermal and Mechanical Performances. ACS Applied Materials & Interfaces, 2020, 12, 35403-35414.	4.0	63
89	Controlled Synthesis of Camptothecinâ^'Polylactide Conjugates and Nanoconjugates. Bioconjugate Chemistry, 2010, 21, 111-121.	1.8	62
90	New Frontiers for Encapsulation in the Chemical Industry. ACS Applied Materials & Interfaces, 2015, 7, 6359-6368.	4.0	62

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91	Brd4 modulates the innate immune response through Mnk2â€“eIF4E pathway-dependent translational control of IÎºBÎ±. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3993-E4001.	3.3	60
92	Trigger Chemistries for Better Industrial Formulations. ACS Applied Materials & Interfaces, 2015, 7, 6369-6382.	4.0	58
93	Proximity-Induced Cooperative Polymerization in â€œHingedâ€•Helical Polypeptides. Journal of the American Chemical Society, 2019, 141, 8680-8683.	6.6	58
94	Synthesis of Water-Soluble Poly(Î±-hydroxy acids) from Living Ring-Opening Polymerization of O-Benzyl-<scp>l</scp>-serine Carboxyanhydrides. ACS Macro Letters, 2012, 1, 441-444.	2.3	57
95	Bio-nano interface: The impact of biological environment on nanomaterials and their delivery properties. Journal of Controlled Release, 2017, 263, 211-222.	4.8	57
96	A Cell-penetrating Helical Polymer For siRNA Delivery to Mammalian Cells. Molecular Therapy, 2012, 20, 1599-1609.	3.7	56
97	Controlled Ringâ€Opening Polymerization of Oâ€Carboxyanhydrides Using a Î²â€Diiminate Zinc Catalyst. Angewandte Chemie - International Edition, 2016, 55, 13010-13014.	7.2	56
98	Drug-Initiated, Controlled Ring-Opening Polymerization for the Synthesis of Polymerâ€“Drug Conjugates. Macromolecules, 2012, 45, 2225-2232.	2.2	55
99	Supramolecular Polymerization from Polypeptide-Grafted Comb Polymers. Journal of the American Chemical Society, 2011, 133, 12906-12909.	6.6	54
100	Controlled Polymerization of Î²-Lactams Using Metalâ^'Amido Complexes:Â Synthesis of Block Copoly(Î²-peptides). Journal of the American Chemical Society, 2001, 123, 9457-9458.	6.6	53
101	Ring-Opening Polymerization of Î³-(4-Vinylbenzyl)-<scp>l</scp>-glutamate N-Carboxyanhydride for the Synthesis of Functional Polypeptides. Macromolecules, 2011, 44, 6237-6240.	2.2	53
102	Nucleation-Controlled Polymerization of Nanoparticles into Supramolecular Structures. Journal of the American Chemical Society, 2013, 135, 11417-11420.	6.6	52
103	Maximizing gene delivery efficiencies of cationic helical polypeptides via balanced membrane penetration and cellular targeting. Biomaterials, 2014, 35, 1302-1314.	5.7	52
104	Redox-responsive, reversibly-crosslinked thiolated cationic helical polypeptides for efficient siRNA encapsulation and delivery. Journal of Controlled Release, 2015, 205, 231-239.	4.8	52
105	Nanopolymeric Therapeutics. MRS Bulletin, 2009, 34, 422-431.	1.7	51
106	Water-Soluble Poly(<scp>l</scp>-serine)s with Elongated and Charged Side-Chains: Synthesis, Conformations, and Cell-Penetrating Properties. Biomacromolecules, 2012, 13, 2609-2615.	2.6	51
107	Reduction-responsive dithiomaleimide-based nanomedicine with high drug loading and FRET-indicated drug release. Chemical Communications, 2015, 51, 4807-4810.	2.2	51
108	Non-invasive, real-time reporting drug release in vitro and in vivo. Chemical Communications, 2015, 51, 6948-6951.	2.2	51

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109	Modulation of polypeptide conformation through donorâ€“acceptor transformation of side-chain hydrogen bonding ligands. Nature Communications, 2017, 8, 92.	5.8	51
110	Unimolecular Polypeptide Micelles via Ultrafast Polymerization of N-Carboxyanhydrides. Journal of the American Chemical Society, 2020, 142, 8570-8574.	6.6	49
111	Enzyme-mimetic self-catalyzed polymerization of polypeptide helices. Nature Communications, 2019, 10, 5470.	5.8	46
112	Polymeric nanomedicines based on poly(lactide) and poly(lactide-co-glycolide). Current Opinion in Solid State and Materials Science, 2012, 16, 323-332.	5.6	45
113	Trigger-responsive chain-shattering polymers. Polymer Chemistry, 2013, 4, 224-228.	1.9	44
114	Trigger-Responsive Poly(Î²-amino ester) Hydrogels. ACS Macro Letters, 2014, 3, 693-697.	2.3	44
115	Accelerated polymerization of N-carboxyanhydrides catalyzed by crown ether. Nature Communications, 2021, 12, 732.	5.8	43
116	Polylactide nanoparticles containing stably incorporated cyanine dyes for in vitro and in vivo imaging applications. Microscopy Research and Technique, 2010, 73, 901-909.	1.2	42
117	Multiplexed supramolecular self-assembly for non-viral gene delivery. Biomaterials, 2010, 31, 9117-9127.	5.7	41
118	Immunosuppressive Activity of Size-Controlled PEG-PLGA Nanoparticles Containing Encapsulated Cyclosporine A. Journal of Transplantation, 2012, 2012, 1-9.	0.3	41
119	Inhibiting Solid Tumor Growth In Vivo by Nonâ€Tumorâ€Penetrating Nanomedicine. Small, 2017, 13, 1600954.	5.2	41
120	Interactions between Membranes and â€œMetaphilicâ€•Polypeptide Architectures with Diverse Side-Chain Populations. ACS Nano, 2017, 11, 2858-2871.	7.3	41
121	Polypeptide vesicles with densely packed multilayer membranes. Soft Matter, 2015, 11, 4091-4098.	1.2	40
122	Biodegradable Micelles Capable of Mannoseâ€Mediated Targeted Drug Delivery to Cancer Cells. Macromolecular Rapid Communications, 2015, 36, 483-489.	2.0	39
123	Systemic siRNA delivery to tumors by cell-penetrating Î±-helical polypeptide-based metastable nanoparticles. Nanoscale, 2018, 10, 15339-15349.	2.8	37
124	Polypeptide-based drug delivery systems for programmed release. Biomaterials, 2021, 275, 120913.	5.7	36
125	Functional polyesters derived from alternating copolymerization of norbornene anhydride and epoxides. Polymer Chemistry, 2015, 6, 3586-3590.	1.9	35
126	Dimeric Prodrug Self-Delivery Nanoparticles with Enhanced Drug Loading and Bioreduction Responsiveness for Targeted Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 39455-39467.	4.0	35

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127	In vivo cancer targeting via glycopolyester nanoparticle mediated metabolic cell labeling followed by click reaction. Biomaterials, 2019, 218, 119305.	5.7	35
128	Redox-responsive self-assembled chain-shattering polymeric therapeutics. Biomaterials Science, 2015, 3, 1061-1065.	2.6	34
129	In Vivo Targeting of Metabolically Labeled Cancers with Ultra-Small Silica Nanoconjugates. Theranostics, 2016, 6, 1467-1476.	4.6	34
130	Recent progress in nanomaterials for nucleic acid delivery in cancer immunotherapy. Biomaterials Science, 2019, 7, 2640-2651.	2.6	34
131	Synthesis and Conformational Analysis of Optically Active Poly(Î²-peptides). Macromolecules, 2001, 34, 5169-5174.	2.2	33
132	Interrupted Helical Structure of Grafted Polypeptides in Brush-Like Macromolecules. Macromolecules, 2011, 44, 8699-8708.	2.2	33
133	Enhanced bioreduction-responsive diselenide-based dimeric prodrug nanoparticles for triple negative breast cancer therapy. Theranostics, 2018, 8, 4884-4897.	4.6	33
134	Reconfigurable Poly(ureaâ€urethane) Thermoset Based on Hindered Urea Bonds with Tripleâ€Shapeâ€Memory Performance. Macromolecular Chemistry and Physics, 2019, 220, 1900148.	1.1	33
135	PEG-Polypeptide Dual Brush Block Copolymers: Synthesis and Application in Nanoparticle Surface PEGylation. ACS Macro Letters, 2013, 2, 809-813.	2.3	31
136	Crosslinked dendronized polyols as a general approach to brighter and more stable fluorophores. Chemical Communications, 2016, 52, 3781-3784.	2.2	31
137	Synthesis of controlled, high-molecular weight poly(<scp>l</scp>-glutamic acid) brush polymers. Biomaterials Science, 2017, 5, 1836-1844.	2.6	31
138	Light-triggered release of drug conjugates for an efficient combination of chemotherapy and photodynamic therapy. Biomaterials Science, 2018, 6, 997-1001.	2.6	31
139	Cationic, helical polypeptide-based gene delivery for IMR-90 fibroblasts and human embryonic stem cells. Biomaterials Science, 2013, 1, 719.	2.6	30
140	Nanoscale liposomal formulation of a SYK P-site inhibitor against B-precursor leukemia. Blood, 2013, 121, 4348-4354.	0.6	30
141	The Effects of Spacer Length and Composition on Aptamerâ€Mediated Cellâ€Specific Targeting with Nanoscale PEGylated Liposomal Doxorubicin. ChemBioChem, 2016, 17, 1111-1117.	1.3	30
142	Polypeptides with Quaternary Phosphonium Side Chains: Synthesis, Characterization, and Cell-Penetrating Properties. Biomacromolecules, 2014, 15, 1491-1497.	2.6	29
143	Bioorthogonal oxime ligation mediated in vivo cancer targeting. Chemical Science, 2015, 6, 2182-2186.	3.7	28
144	CD44 Mediated Nonviral Gene Delivery into Human Embryonic Stem Cells via Hyaluronic-Acid-Coated Nanoparticles. ACS Biomaterials Science and Engineering, 2016, 2, 326-335.	2.6	28

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145	Screening of Optically Active Nickel Initiators for Enantioasymmetric Polymerization of Î³-Benzyl Glutamate-N-Carboxyanhydride. Macromolecules, 1999, 32, 4745-4747.	2.2	27
146	Manipulating the membrane penetration mechanism of helical polypeptides via aromatic modification for efficient gene delivery. Acta Biomaterialia, 2017, 58, 146-157.	4.1	27
147	Chainâ€Shattering Polymeric Therapeutics with Onâ€Demand Drugâ€Release Capability. Angewandte Chemie, 2013, 125, 6563-6567.	1.6	26
148	Integrating Display and Delivery Functionality with a Cell Penetrating Peptide Mimic as a Scaffold for Intracellular Multivalent Multitargeting. Journal of the American Chemical Society, 2016, 138, 9498-9507.	6.6	26
149	Facile Synthesis of Helical Multiblock Copolypeptides: Minimal Side Reactions with Accelerated Polymerization of N-Carboxyanhydrides. ACS Macro Letters, 2019, 8, 1517-1521.	2.3	25
150	â€œMetaphilicâ€•Cell-Penetrating Polypeptide-Vancomycin Conjugate Efficiently Eradicates Intracellular Bacteria via a Dual Mechanism. ACS Central Science, 2020, 6, 2267-2276.	5.3	25
151	Efficient synthesis and excellent antimicrobial activity of star-shaped cationic polypeptides with improved biocompatibility. Biomaterials Science, 2021, 9, 2721-2731.	2.6	25
152	Lymphatic Biodistribution of Polylactide Nanoparticles. Molecular Imaging, 2010, 9, 7290.2010.00012.	0.7	22
153	Long-term kinetics of DNA interacting with polycations. Polymer, 2014, 55, 2464-2471.	1.8	22
154	Supramolecular Assembly of Comb-like Macromolecules Induced by Chemical Reactions that Modulate the Macromolecular Interactions In Situ. Journal of the American Chemical Society, 2017, 139, 11106-11116.	6.6	21
155	Synthesis of indocyanine green functionalized comblike poly(aspartic acid) derivatives for enhanced cancer cell ablation by targeting the endoplasmic reticulum. Polymer Chemistry, 2018, 9, 1206-1215.	1.9	21
156	Synthesis of Optically Active Î²-Amino AcidN-Carboxyanhydrides. Organic Letters, 2000, 2, 1943-1946.	2.4	19
157	Anticancer camptothecin-N-poly(lactic acid) nanoconjugates with facile hydrolysable linker. Polymer Chemistry, 2014, 5, 1581-1585.	1.9	19
158	Nanoparticle delivery of chemotherapy combination regimen improves the therapeutic efficacy in mouse models of lung cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1301-1307.	1.7	19
159	Albumin as a â€œTrojan Horseâ€•for polymeric nanoconjugate transendothelial transport across tumor vasculatures for improved cancer targeting. Biomaterials Science, 2018, 6, 1189-1200.	2.6	19
160	Azido-galactose outperforms azido-mannose for metabolic labeling and targeting of hepatocellular carcinoma. Biomaterials Science, 2019, 7, 4166-4173.	2.6	19
161	Synthesis of hybrid block copolymers via integrated ring-opening metathesis polymerization and polymerization of NCA. Chemical Communications, 2011, 47, 10830.	2.2	18
162	Preparation of Surfactant-Resistant Polymersomes with Ultrathick Membranes through RAFT Dispersion Polymerization. ACS Applied Materials & Interfaces, 2016, 8, 17033-17037.	4.0	18

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163	Degradable and biocompatible hydrogels bearing a hindered urea bond. Biomaterials Science, 2017, 5, 2398-2402.	2.6	18
164	A caged metabolic precursor for DT-diaphorase-responsive cell labeling. Chemical Communications, 2018, 54, 4878-4881.	2.2	18
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