

Jianjun Cheng

List of Publications by Citations

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219
papers

17,490
citations

71
h-index

128
g-index

227
ext. papers

19,418
ext. citations

10.4
avg, IF

6.81
L-index

#	Paper	IF	Citations
219	Targeted nanoparticle-aptamer bioconjugates for cancer chemotherapy in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6315-20	11.5	1448
218	Formulation of functionalized PLGA-PEG nanoparticles for in vivo targeted drug delivery. <i>Biomaterials</i> , 2007 , 28, 869-76	15.6	1053
217	Bioresorbable silicon electronic sensors for the brain. <i>Nature</i> , 2016 , 530, 71-6	50.4	582
216	Dynamic urea bond for the design of reversible and self-healing polymers. <i>Nature Communications</i> , 2014 , 5, 3218	17.4	560
215	Investigating the optimal size of anticancer nanomedicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15344-9	11.5	406
214	Nonporous Silica Nanoparticles for Nanomedicine Application. <i>Nano Today</i> , 2013 , 8, 290-312	17.9	323
213	Controlling size, shape and homogeneity of embryoid bodies using poly(ethylene glycol) microwells. <i>Lab on A Chip</i> , 2007 , 7, 786-94	7.2	323
212	Reversible cell-specific drug delivery with aptamer-functionalized liposomes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6494-8	16.4	307
211	Sequentially Responsive Shell-Stacked Nanoparticles for Deep Penetration into Solid Tumors. <i>Advanced Materials</i> , 2017 , 29, 1701170	24	279
210	Protein corona significantly reduces active targeting yield. <i>Chemical Communications</i> , 2013 , 49, 2557-9	5.8	274
209	Translocation of HIV TAT peptide and analogues induced by multiplexed membrane and cytoskeletal interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16883-8	11.5	245
208	Dimeric drug polymeric nanoparticles with exceptionally high drug loading and quantitative loading efficiency. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3458-61	16.4	240
207	Anticancer Polymeric Nanomedicines. <i>Polymer Reviews</i> , 2007 , 47, 345-381	14	240
206	Hexamethyldisilazane-mediated controlled polymerization of alpha-amino acid N-carboxyanhydrides. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14114-5	16.4	235
205	Malleable and Recyclable Poly(urea-urethane) Thermosets bearing Hindered Urea Bonds. <i>Advanced Materials</i> , 2016 , 28, 7646-51	24	230
204	In vitro selection of a sodium-specific DNzyme and its application in intracellular sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5903-8	11.5	226
203	Recent advances in amino acid N-carboxyanhydrides and synthetic polypeptides: chemistry, self-assembly and biological applications. <i>Chemical Communications</i> , 2014 , 50, 139-55	5.8	224

202	Materials, designs, and operational characteristics for fully biodegradable primary batteries. <i>Advanced Materials</i> , 2014 , 26, 3879-84	24	211
201	Spatiotemporal controlled delivery of nanoparticles to injured vasculature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2213-8	11.5	207
200	Micropatterned cell co-cultures using layer-by-layer deposition of extracellular matrix components. <i>Biomaterials</i> , 2006 , 27, 1479-86	15.6	202
199	Near IR heptamethine cyanine dye-mediated cancer imaging. <i>Clinical Cancer Research</i> , 2010 , 16, 2833-44	12.9	200
198	Preclinical efficacy of the camptothecin-polymer conjugate IT-101 in multiple cancer models. <i>Clinical Cancer Research</i> , 2006 , 12, 1606-14	12.9	198
197	Synthetic polypeptides: from polymer design to supramolecular assembly and biomedical application. <i>Chemical Society Reviews</i> , 2017 , 46, 6570-6599	58.5	193
196	Ionic polypeptides with unusual helical stability. <i>Nature Communications</i> , 2011 , 2, 206	17.4	191
195	Selective in vivo metabolic cell-labeling-mediated cancer targeting. <i>Nature Chemical Biology</i> , 2017 , 13, 415-424	11.7	188
194	Synthesis of linear, beta-cyclodextrin-based polymers and their camptothecin conjugates. <i>Bioconjugate Chemistry</i> , 2003 , 14, 1007-17	6.3	178
193	Macrophage-Membrane-Coated Nanoparticles for Tumor-Targeted Chemotherapy. <i>Nano Letters</i> , 2018 , 18, 1908-1915	11.5	177
192	High Drug Loading and Sub-Quantitative Loading Efficiency of Polymeric Micelles Driven by Donor-Receptor Coordination Interactions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1235-1238	16.4	166
191	Paclitaxel-initiated, controlled polymerization of lactide for the formulation of polymeric nanoparticulate delivery vehicles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4830-4	16.4	164
190	Targeted delivery of RNA-cleaving DNA enzyme (DNAzyme) to tumor tissue by transferrin-modified, cyclodextrin-based particles. <i>Cancer Biology and Therapy</i> , 2004 , 3, 641-50	4.6	160
189	Smart chemistry in polymeric nanomedicine. <i>Chemical Society Reviews</i> , 2014 , 43, 6982-7012	58.5	155
188	Nonviral gene editing via CRISPR/Cas9 delivery by membrane-disruptive and endosomolytic helical polypeptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4903-4908	11.5	153
187	Redox-responsive, core-cross-linked micelles capable of on-demand, concurrent drug release and structure disassembly. <i>Biomacromolecules</i> , 2013 , 14, 3706-12	6.9	148
186	Reactive and bioactive cationic helical polypeptide template for nonviral gene delivery. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1143-7	16.4	145
185	Synthesis and biological response of size-specific, monodisperse drug-silica nanoconjugates. <i>ACS Nano</i> , 2012 , 6, 3954-66	16.7	145

184	Microfluidic system for studying the interaction of nanoparticles and microparticles with cells. <i>Analytical Chemistry</i> , 2005 , 77, 5453-9	7.8	145
183	N-Trimethylsilyl amines for controlled ring-opening polymerization of amino acid N-carboxyanhydrides and facile end group functionalization of polypeptides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12562-3	16.4	143
182	Selective Delivery of an Anticancer Drug with Aptamer-Functionalized Liposomes to Breast Cancer Cells and. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5288-5297	7.3	139
181	Light-responsive helical polypeptides capable of reducing toxicity and unpacking DNA: toward nonviral gene delivery. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9182-9186	16.4	135
180	Ring-opening polymerization-mediated controlled formulation of polylactide-drug nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4744-54	16.4	127
179	Pharmacokinetics and biodistribution of the camptothecin-polymer conjugate IT-101 in rats and tumor-bearing mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2006 , 57, 654-62	3.5	127
178	Size-dependent tumor penetration and in vivo efficacy of monodisperse drug-silica nanoconjugates. <i>Molecular Pharmaceutics</i> , 2013 , 10, 883-92	5.6	124
177	Helical antimicrobial polypeptides with radial amphiphilicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13155-60	11.5	120
176	Helical Poly(arginine) Mimics with Superior Cell-Penetrating and Molecular Transporting Properties. <i>Chemical Science</i> , 2013 , 4, 3839-3844	9.4	119
175	Chain-shattering polymeric therapeutics with on-demand drug-release capability. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6435-9	16.4	118
174	Non-viral gene delivery via membrane-penetrating, mannose-targeting supramolecular self-assembled nanocomplexes. <i>Advanced Materials</i> , 2013 , 25, 3063-70	24	113
173	Magnetically responsive polymeric microparticles for oral delivery of protein drugs. <i>Pharmaceutical Research</i> , 2006 , 23, 557-64	4.5	113
172	The formulation of aptamer-coated paclitaxel-polylactide nanoconjugates and their targeting to cancer cells. <i>Biomaterials</i> , 2010 , 31, 3043-53	15.6	111
171	Redox-Responsive, Core Cross-Linked Polyester Micelles. <i>ACS Macro Letters</i> , 2013 , 2, 40-44	6.6	110
170	Antitumor activity of beta-cyclodextrin polymer-camptothecin conjugates. <i>Molecular Pharmaceutics</i> , 2004 , 1, 183-93	5.6	109
169	Structure-function correlation of chloroquine and analogues as transgene expression enhancers in nonviral gene delivery. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 6522-31	8.3	104
168	One-pot synthesis of brush-like polymers via integrated ring-opening metathesis polymerization and polymerization of amino acid N-carboxyanhydrides. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13582-3	16.4	98
167	Hydrolyzable polyureas bearing hindered urea bonds. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16974-7	16.4	96

166	Synthesis of polypeptides by ring-opening polymerization of amino acid N-carboxyanhydrides. <i>Topics in Current Chemistry</i> , 2012 , 310, 1-26		95
165	Polyvalent mesoporous silica nanoparticle-aptamer bioconjugates target breast cancer cells. <i>Advanced Healthcare Materials</i> , 2012 , 1, 567-72	10.1	84
164	Suppression of Hepatic Inflammation via Systemic siRNA Delivery by Membrane-Disruptive and Endosomolytic Helical Polypeptide Hybrid Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 1859-70	16.7	82
163	High-efficiency motor neuron differentiation from human pluripotent stem cells and the function of Islet-1. <i>Nature Communications</i> , 2014 , 5, 3449	17.4	82
162	Trigger-responsive, fast-degradable poly(amino ester)s for enhanced DNA unpacking and reduced toxicity. <i>Biomaterials</i> , 2014 , 35, 5006-15	15.6	81
161	Aptamer-functionalized, ultra-small, monodisperse silica nanoconjugates for targeted dual-modal imaging of lymph nodes with metastatic tumors. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12721-6	16.4	81
160	Cooperative polymerization of helices induced by macromolecular architecture. <i>Nature Chemistry</i> , 2017 , 9, 614-622	17.6	79
159	Poly(iohexol) nanoparticles as contrast agents for in vivo X-ray computed tomography imaging. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13620-3	16.4	77
158	Bacteria-Assisted Activation of Antimicrobial Polypeptides by a Random-Coil to Helix Transition. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10826-10829	16.4	77
157	Nanogel-Incorporated Physical and Chemical Hybrid Gels for Highly Effective ChemoProtein Combination Therapy. <i>Advanced Functional Materials</i> , 2015 , 25, 6744-6755	15.6	77
156	Supramolecular self-assembled nanoparticles mediate oral delivery of therapeutic TNF- α siRNA against systemic inflammation. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5757-61	16.4	77
155	Effective and Selective Anti-Cancer Protein Delivery via All-Functions-in-One Nanocarriers Coupled with Visible Light-Responsive, Reversible Protein Engineering. <i>Advanced Functional Materials</i> , 2018 , 28, 1706710	15.6	74
154	Reconfiguring the architectures of cationic helical polypeptides to control non-viral gene delivery. <i>Biomaterials</i> , 2013 , 34, 2340-9	15.6	73
153	Selective killing of with pH-responsive helix-coil conformation transitionable antimicrobial polypeptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12675-12680	11.5	73
152	Singlet oxygen-responsive micelles for enhanced photodynamic therapy. <i>Journal of Controlled Release</i> , 2017 , 260, 12-21	11.7	72
151	The therapeutic efficacy of camptothecin-encapsulated supramolecular nanoparticles. <i>Biomaterials</i> , 2012 , 33, 1162-1169	15.6	72
150	The effect of side-chain functionality and hydrophobicity on the gene delivery capabilities of cationic helical polypeptides. <i>Biomaterials</i> , 2014 , 35, 3443-54	15.6	71
149	Poly lactide-cyclosporin A nanoparticles for targeted immunosuppression. <i>FASEB Journal</i> , 2010 , 24, 3927-38	13.8	71

148	Synthesis and biomedical applications of functional poly(α -hydroxy acids) via ring-opening polymerization of O-carboxyanhydrides. <i>Accounts of Chemical Research</i> , 2015 , 48, 1777-87	24.3	70
147	Self-assembly of helical polypeptides driven by complex coacervation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11128-32	16.4	68
146	Secondary structures in synthetic polypeptides from N-carboxyanhydrides: design, modulation, association, and material applications. <i>Chemical Society Reviews</i> , 2018 , 47, 7401-7425	58.5	65
145	Water-Soluble Polypeptides with Elongated, Charged Side Chains Adopt Ultra-Stable Helical Conformations. <i>Macromolecules</i> , 2011 , 44, 6641-6644	5.5	64
144	Drug-initiated ring-opening polymerization of O-carboxyanhydrides for the preparation of anticancer drug-poly(O-carboxyanhydride) nanoconjugates. <i>Biomacromolecules</i> , 2013 , 14, 920-9	6.9	60
143	Facile functionalization of polyesters through thiol-yne chemistry for the design of degradable, cell-penetrating and gene delivery dual-functional agents. <i>Biomacromolecules</i> , 2012 , 13, 3456-62	6.9	60
142	Targeting tumor vasculature with aptamer-functionalized doxorubicin-poly lactide nanoconjugates for enhanced cancer therapy. <i>ACS Nano</i> , 2015 , 9, 5072-81	16.7	58
141	Targeted Ultrasound-Assisted Cancer-Selective Chemical Labeling and Subsequent Cancer Imaging using Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5452-6	16.4	58
140	Controlled synthesis of camptothecin-poly lactide conjugates and nanoconjugates. <i>Bioconjugate Chemistry</i> , 2010 , 21, 111-21	6.3	55
139	Pamidronate functionalized nanoconjugates for targeted therapy of focal skeletal malignant osteolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4601-9	11.5	53
138	The use of charge-coupled polymeric microparticles and micromagnets for modulating the bioavailability of orally delivered macromolecules. <i>Biomaterials</i> , 2008 , 29, 1216-23	15.6	53
137	Synthesis of polypeptides via bioinspired polymerization of in situ purified α -carboxyanhydrides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10658-10663	11.5	52
136	New frontiers for encapsulation in the chemical industry. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6359-68	9.5	52
135	A cell-penetrating helical polymer for siRNA delivery to mammalian cells. <i>Molecular Therapy</i> , 2012 , 20, 1599-609	11.7	52
134	Targeted Delivery of Immunomodulators to Lymph Nodes. <i>Cell Reports</i> , 2016 , 15, 1202-13	10.6	52
133	Drug-Initiated, Controlled Ring-Opening Polymerization for the Synthesis of Polymer-Drug Conjugates. <i>Macromolecules</i> , 2012 , 45, 2225-2232	5.5	51
132	Recent Advances and Future Perspectives of Synthetic Polypeptides from N-Carboxyanhydrides. <i>Macromolecules</i> , 2019 , 52, 8521-8539	5.5	50
131	Trigger chemistries for better industrial formulations. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6369-82	9.5	50

130	Synthesis of water-soluble poly(β-hydroxy acids) from living ring-opening polymerization of O-benzyl-L-serine carboxyanhydrides. <i>ACS Macro Letters</i> , 2012 , 1, 441-444	6.6	48
129	Nucleation-controlled polymerization of nanoparticles into supramolecular structures. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11417-20	16.4	48
128	Nanopolymeric Therapeutics. <i>MRS Bulletin</i> , 2009 , 34, 422-431	3.2	48
127	Supramolecular polymerization from polypeptide-grafted comb polymers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12906-9	16.4	47
126	Ring-Opening Polymerization of ε-(4-Vinylbenzyl)-(L)-Glutamate N-Carboxyanhydride for the Synthesis of Functional Polypeptides. <i>Macromolecules</i> , 2011 , 44, 6237-6240	5.5	46
125	Photoinduced Metal-Free Atom Transfer Radical Polymerization of Biomass-Based Monomers. <i>Macromolecules</i> , 2016 , 49, 7709-7717	5.5	46
124	Controlled polymerization of beta-lactams using metal-amido complexes: synthesis of block copoly(beta-peptides). <i>Journal of the American Chemical Society</i> , 2001 , 123, 9457-8	16.4	45
123	Non-invasive, real-time reporting drug release in vitro and in vivo. <i>Chemical Communications</i> , 2015 , 51, 6948-51	5.8	44
122	Brd4 modulates the innate immune response through Mnk2-eIF4E pathway-dependent translational control of IRP1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E3993-E4001	11.5	43
121	Controlled Ring-Opening Polymerization of O-Carboxyanhydrides Using a Diiminate Zinc Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13010-13014	16.4	43
120	Maximizing gene delivery efficiencies of cationic helical polypeptides via balanced membrane penetration and cellular targeting. <i>Biomaterials</i> , 2014 , 35, 1302-14	15.6	43
119	Redox-responsive, reversibly-crosslinked thiolated cationic helical polypeptides for efficient siRNA encapsulation and delivery. <i>Journal of Controlled Release</i> , 2015 , 205, 231-9	11.7	43
118	Water-soluble poly(L-serine)s with elongated and charged side-chains: synthesis, conformations, and cell-penetrating properties. <i>Biomacromolecules</i> , 2012 , 13, 2609-15	6.9	43
117	Bio-nano interface: The impact of biological environment on nanomaterials and their delivery properties. <i>Journal of Controlled Release</i> , 2017 , 263, 211-222	11.7	42
116	Reduction-responsive dithiomaleimide-based nanomedicine with high drug loading and FRET-indicated drug release. <i>Chemical Communications</i> , 2015 , 51, 4807-10	5.8	42
115	Trigger-Responsive Poly(β-amino ester) Hydrogels.. <i>ACS Macro Letters</i> , 2014 , 3, 693-697	6.6	40
114	Polymeric Nanomedicines Based on Poly(lactide) and Poly(lactide-co-glycolide). <i>Current Opinion in Solid State and Materials Science</i> , 2012 , 16, 323-332	12	40
113	Trigger-responsive chain-shattering polymers. <i>Polymer Chemistry</i> , 2013 , 4, 224-228	4.9	38

112	Multiplexed supramolecular self-assembly for non-viral gene delivery. <i>Biomaterials</i> , 2010 , 31, 9117-27	15.6	38
111	Recent advances in design of antimicrobial peptides and polypeptides toward clinical translation. <i>Advanced Drug Delivery Reviews</i> , 2021 , 170, 261-280	18.5	37
110	Reversible Cell-Specific Drug Delivery with Aptamer-Functionalized Liposomes. <i>Angewandte Chemie</i> , 2009 , 121, 6616-6620	3.6	36
109	Paclitaxel-Initiated, Controlled Polymerization of Lactide for the Formulation of Polymeric Nanoparticulate Delivery Vehicles. <i>Angewandte Chemie</i> , 2008 , 120, 4908-4912	3.6	36
108	Interactions between Membranes and "Metaphilic" Polypeptide Architectures with Diverse Side-Chain Populations. <i>ACS Nano</i> , 2017 , 11, 2858-2871	16.7	33
107	Modulation of polypeptide conformation through donor-acceptor transformation of side-chain hydrogen bonding ligands. <i>Nature Communications</i> , 2017 , 8, 92	17.4	33
106	Immunosuppressive Activity of Size-Controlled PEG-PLGA Nanoparticles Containing Encapsulated Cyclosporine A. <i>Journal of Transplantation</i> , 2012 , 2012, 896141	2.3	33
105	Poly lactide nanoparticles containing stably incorporated cyanine dyes for in vitro and in vivo imaging applications. <i>Microscopy Research and Technique</i> , 2010 , 73, 901-9	2.8	33
104	Biodegradable Polyanhydrides as Encapsulation Layers for Transient Electronics. <i>Advanced Functional Materials</i> , 2020 , 30, 2000941	15.6	32
103	Inhibiting Solid Tumor Growth In Vivo by Non-Tumor-Penetrating Nanomedicine. <i>Small</i> , 2017 , 13, 1600954		31
102	Polypeptide vesicles with densely packed multilayer membranes. <i>Soft Matter</i> , 2015 , 11, 4091-8	3.6	31
101	Functional polyesters derived from alternating copolymerization of norbornene anhydride and epoxides. <i>Polymer Chemistry</i> , 2015 , 6, 3586-3590	4.9	30
100	Redox-Responsive Self-Assembled Chain-Shattering Polymeric Therapeutics. <i>Biomaterials Science</i> , 2015 , 3, 1061-5	7.4	30
99	Biodegradable micelles capable of mannose-mediated targeted drug delivery to cancer cells. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 483-9	4.8	30
98	In Vivo Targeting of Metabolically Labeled Cancers with Ultra-Small Silica Nanoconjugates. <i>Theranostics</i> , 2016 , 6, 1467-76	12.1	30
97	PEG-Polypeptide Dual Brush Block Copolymers: Synthesis and Application in Nanoparticle Surface PEGylation. <i>ACS Macro Letters</i> , 2013 , 2, 809-813	6.6	29
96	Crosslinked dendronized polyols as a general approach to brighter and more stable fluorophores. <i>Chemical Communications</i> , 2016 , 52, 3781-4	5.8	28
95	Systemic siRNA delivery to tumors by cell-penetrating helical polypeptide-based metastable nanoparticles. <i>Nanoscale</i> , 2018 , 10, 15339-15349	7.7	28

94	Cationic, helical polypeptide-based gene delivery for IMR-90 fibroblasts and human embryonic stem cells. <i>Biomaterials Science</i> , 2013 , 1, 719-727	7.4	28
93	Synthesis and Conformational Analysis of Optically Active Poly(β-peptides). <i>Macromolecules</i> , 2001 , 34, 5169-5174	5.5	28
92	Light-triggered release of drug conjugates for an efficient combination of chemotherapy and photodynamic therapy. <i>Biomaterials Science</i> , 2018 , 6, 997-1001	7.4	27
91	Bioorthogonal Oxime Ligation Mediated Cancer Targeting. <i>Chemical Science</i> , 2015 , 6, 2182-2186	9.4	27
90	Reactive and Bioactive Cationic Helical Polypeptide Template for Nonviral Gene Delivery. <i>Angewandte Chemie</i> , 2012 , 124, 1169-1173	3.6	27
89	Nanoscale liposomal formulation of a SYK P-site inhibitor against B-precursor leukemia. <i>Blood</i> , 2013 , 121, 4348-54	2.2	27
88	The Effects of Spacer Length and Composition on Aptamer-Mediated Cell-Specific Targeting with Nanoscale PEGylated Liposomal Doxorubicin. <i>ChemBioChem</i> , 2016 , 17, 1111-7	3.8	27
87	Dimeric Prodrug Self-Delivery Nanoparticles with Enhanced Drug Loading and Bioreduction Responsiveness for Targeted Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39455-39467	8.5	27
86	Proximity-Induced Cooperative Polymerization in "Hinged" Helical Polypeptides. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8680-8683	16.4	26
85	Unimolecular Polypeptide Micelles via Ultrafast Polymerization of -Carboxyanhydrides. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8570-8574	16.4	26
84	CD44 Mediated Nonviral Gene Delivery into Human Embryonic Stem Cells via Hyaluronic-Acid-Coated Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 326-335	5.5	26
83	Interrupted Helical Structure of Grafted Polypeptides in Brush-Like Macromolecules. <i>Macromolecules</i> , 2011 , 44, 8699-8708	5.5	26
82	Synthesis of controlled, high-molecular weight poly(l-glutamic acid) brush polymers. <i>Biomaterials Science</i> , 2017 , 5, 1836-1844	7.4	24
81	Aptamer-Functionalized, Ultra-Small, Monodisperse Silica Nanoconjugates for Targeted Dual-Modal Imaging of Lymph Nodes with Metastatic Tumors. <i>Angewandte Chemie</i> , 2012 , 124, 12893-12898	3.6	24
80	Integrating Display and Delivery Functionality with a Cell Penetrating Peptide Mimic as a Scaffold for Intracellular Multivalent Multitargeting. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9498-507	16.4	23
79	Chain-Shattering Polymeric Therapeutics with On-Demand Drug-Release Capability. <i>Angewandte Chemie</i> , 2013 , 125, 6563-6567	3.6	23
78	Recyclable, Self-Healable, and Highly Malleable Poly(urethane-urea)s with Improved Thermal and Mechanical Performances. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 35403-35414	9.5	23
77	Enzyme-mimetic self-catalyzed polymerization of polypeptide helices. <i>Nature Communications</i> , 2019 , 10, 5470	17.4	23

76	Enhanced bioreduction-responsive diselenide-based dimeric prodrug nanoparticles for triple negative breast cancer therapy. <i>Theranostics</i> , 2018 , 8, 4884-4897	12.1	23
75	Manipulating the membrane penetration mechanism of helical polypeptides via aromatic modification for efficient gene delivery. <i>Acta Biomaterialia</i> , 2017 , 58, 146-157	10.8	22
74	In vivo cancer targeting via glycopolyester nanoparticle mediated metabolic cell labeling followed by click reaction. <i>Biomaterials</i> , 2019 , 218, 119305	15.6	22
73	Polypeptides with quaternary phosphonium side chains: synthesis, characterization, and cell-penetrating properties. <i>Biomacromolecules</i> , 2014 , 15, 1491-7	6.9	22
72	Long-term kinetics of DNA interacting with polycations. <i>Polymer</i> , 2014 , 55, 2464-2471	3.9	21
71	Self-Assembly of Helical Polypeptides Driven by Complex Coacervation. <i>Angewandte Chemie</i> , 2015 , 127, 11280-11284	3.6	21
70	Screening of Optically Active Nickel Initiators for Enantioasymmetric Polymerization of Benzyl Glutamate-N-Carboxyanhydride. <i>Macromolecules</i> , 1999 , 32, 4745-4747	5.5	21
69	Recent progress in nanomaterials for nucleic acid delivery in cancer immunotherapy. <i>Biomaterials Science</i> , 2019 , 7, 2640-2651	7.4	20
68	Light-Responsive Helical Polypeptides Capable of Reducing Toxicity and Unpacking DNA: Toward Nonviral Gene Delivery. <i>Angewandte Chemie</i> , 2013 , 125, 9352-9356	3.6	19
67	Lymphatic Biodistribution of Polylactide Nanoparticles. <i>Molecular Imaging</i> , 2010 , 9, 7290.2010.00012	3.7	19
66	Anticancer Camptothecin-Poly(lactic acid) Nanoconjugates with Facile Hydrolysable Linker. <i>Polymer Chemistry</i> , 2014 , 5, 1581-1585	4.9	18
65	Reconfigurable Poly(urea-urethane) Thermoset Based on Hindered Urea Bonds with Triple-Shape-Memory Performance. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900148	2.6	17
64	Supramolecular Assembly of Comb-like Macromolecules Induced by Chemical Reactions that Modulate the Macromolecular Interactions In Situ. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11106-11116	16.4	17
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