

# Jianjun Cheng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Generalized Model of Cooperative Covalent Polymerization: Connecting the Supramolecular Binding Interactions with the Catalytic Behavior. <i>Macromolecules</i> , <b>2022</b> , 55, 2041-2050	5.5	
218	Recent advances in design of antimicrobial peptides and polypeptides toward clinical translation. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 170, 261-280	18.5	37
217	Near quantitative synthesis of urea macrocycles enabled by bulky N-substituent. <i>Nature Communications</i> , <b>2021</b> , 12, 1572	17.4	4
216	Cancer cell-targeted cisplatin prodrug delivery metabolic labeling and bioorthogonal click reaction. <i>Biomaterials Science</i> , <b>2021</b> , 9, 1301-1312	7.4	4
215	Open-air synthesis of oligo(ethylene glycol)-functionalized polypeptides from non-purified -carboxyanhydrides. <i>Biomaterials Science</i> , <b>2021</b> , 9, 4120-4126	7.4	
214	Accelerated polymerization of N-carboxyanhydrides catalyzed by crown ether. <i>Nature Communications</i> , <b>2021</b> , 12, 732	17.4	11
213	Nanoengineered polypeptides from tetraphenylethylene-functionalized N-carboxyanhydride: Synthesis, self-assembly and intrinsic aggregation-induced emission. <i>Progress in Natural Science: Materials International</i> , <b>2021</b> , 31, 541-545	3.6	0
212	Polypeptide-based drug delivery systems for programmed release. <i>Biomaterials</i> , <b>2021</b> , 275, 120913	15.6	11
211	Efficient synthesis and excellent antimicrobial activity of star-shaped cationic polypeptides with improved biocompatibility. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2721-2731	7.4	7
210	Stabilization of the hindered urea bond through de-tert-butylation. <i>Chemical Communications</i> , <b>2021</b> , 57, 3812-3815	5.8	0
209	Biodegradable Polyanhydrides as Encapsulation Layers for Transient Electronics. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000941	15.6	32
208	Facile Click-Mediated Cell Imaging Strategy of Liposomal Azido Mannosamine Lipids Metabolic or Nonmetabolic Glycoengineering. <i>ACS Omega</i> , <b>2020</b> , 5, 14111-14115	3.9	3
207	Unimolecular Polypeptide Micelles via Ultrafast Polymerization of -Carboxyanhydrides. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8570-8574	16.4	26
206	Manipulating the helix-coil transition profile of synthetic polypeptides by leveraging side-chain molecular interactions. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 1445-1449	4.9	4
205	Targeting infected host cells in vivo via responsive azido-sugar mediated metabolic cell labeling followed by click reaction. <i>Biomaterials</i> , <b>2020</b> , 238, 119843	15.6	3
204	Recyclable, Self-Healable, and Highly Malleable Poly(urethane-urea)s with Improved Thermal and Mechanical Performances. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35403-35414	9.5	23
203	"Metaphilic" Cell-Penetrating Polypeptide-Vancomycin Conjugate Efficiently Eradicates Intracellular Bacteria via a Dual Mechanism. <i>ACS Central Science</i> , <b>2020</b> , 6, 2267-2276	16.8	8

202	Induction of a higher-ordered architecture in glatiramer acetate improves its biological efficiency in an animal model of multiple sclerosis. <i>Biomaterials Science</i> , <b>2020</b> , 8, 5271-5281	7.4	1
201	Streamlined Synthesis of PEG-Polypeptides Directly from Amino Acids. <i>Macromolecules</i> , <b>2020</b> , 53, 6589-6597	5.9	6
200	Potential bleach activators with improved imide hydrolytic stability. <i>International Journal of Industrial Chemistry</i> , <b>2020</b> , 11, 177-185	3.1	1
199	Recent Advances and Future Perspectives of Synthetic Polypeptides from N-Carboxyanhydrides. <i>Macromolecules</i> , <b>2019</b> , 52, 8521-8539	5.5	50
198	Reconfigurable Poly(urea-urethane) Thermoset Based on Hindered Urea Bonds with Triple-Shape-Memory Performance. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1900148	2.6	17
197	Synthesis of polypeptides via bioinspired polymerization of in situ purified -carboxyanhydrides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10658-10663	11.5	52
196	Proximity-Induced Cooperative Polymerization in "Hinged" Helical Polypeptides. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8680-8683	16.4	26
195	Recent progress in nanomaterials for nucleic acid delivery in cancer immunotherapy. <i>Biomaterials Science</i> , <b>2019</b> , 7, 2640-2651	7.4	20
194	Novel Liposomal Azido Mannosamine Lipids on Metabolic Cell Labeling and Imaging via Cu-Free Click Chemistry. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 2317-2322	6.3	13
193	Azido-galactose outperforms azido-mannose for metabolic labeling and targeting of hepatocellular carcinoma. <i>Biomaterials Science</i> , <b>2019</b> , 7, 4166-4173	7.4	15
192	In vivo cancer targeting via glycopolyester nanoparticle mediated metabolic cell labeling followed by click reaction. <i>Biomaterials</i> , <b>2019</b> , 218, 119305	15.6	22
191	Facile synthesis of helical multiblock copolypeptides: minimal side reactions with accelerated polymerization of -carboxyanhydrides. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1517-1521	6.6	16
190	Enzyme-mimetic self-catalyzed polymerization of polypeptide helices. <i>Nature Communications</i> , <b>2019</b> , 10, 5470	17.4	23
189	Hindered Urea Bond: A Bilaterally Responsive Chemistry to Hydrogen Peroxide. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 728-731	3.2	5
188	Light-triggered release of drug conjugates for an efficient combination of chemotherapy and photodynamic therapy. <i>Biomaterials Science</i> , <b>2018</b> , 6, 997-1001	7.4	27
187	Macrophage-Membrane-Coated Nanoparticles for Tumor-Targeted Chemotherapy. <i>Nano Letters</i> , <b>2018</b> , 18, 1908-1915	11.5	177
186	Albumin as a "Trojan Horse" for polymeric nanoconjugate transendothelial transport across tumor vasculatures for improved cancer targeting. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1189-1200	7.4	14
185	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> , <b>2018</b> , 115, 4903-4908	11.5	153

184	A caged metabolic precursor for DT-diaphorase-responsive cell labeling. <i>Chemical Communications</i> , <b>2018</b> , 54, 4878-4881	5.8	11
183	Dynamic Ureas with Fast and pH-Independent Hydrolytic Kinetics. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 7345-7348	4.8	8
182	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> , <b>2018</b> , 28, 1706710	15.6	74
181	Synthesis of indocyanine green functionalized comblike poly(aspartic acid) derivatives for enhanced cancer cell ablation by targeting the endoplasmic reticulum. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 1206-1215	4.9	15
180	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> , <b>2018</b> , 140, 1235-1238	16.4	166
179	Systemic siRNA delivery to tumors by cell-penetrating helical polypeptide-based metastable nanoparticles. <i>Nanoscale</i> , <b>2018</b> , 10, 15339-15349	7.7	28
178	Enhanced bioreduction-responsive diselenide-based dimeric prodrug nanoparticles for triple negative breast cancer therapy. <i>Theranostics</i> , <b>2018</b> , 8, 4884-4897	12.1	23
177	Dimeric Prodrug Self-Delivery Nanoparticles with Enhanced Drug Loading and Bioreduction Responsiveness for Targeted Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 39455-39467	8.5	27
176	Secondary structures in synthetic polypeptides from N-carboxyanhydrides: design, modulation, association, and material applications. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 7401-7425	58.5	65
175	Bio-nano interface: The impact of biological environment on nanomaterials and their delivery properties. <i>Journal of Controlled Release</i> , <b>2017</b> , 263, 211-222	11.7	42
174	Inhibiting Solid Tumor Growth In Vivo by Non-Tumor-Penetrating Nanomedicine. <i>Small</i> , <b>2017</b> , 13, 1600954	5.4	31
173	Gene delivery into isolated Arabidopsis thaliana protoplasts and intact leaves using cationic, helical polypeptide. <i>Frontiers of Chemical Science and Engineering</i> , <b>2017</b> , 11, 521-528	4.5	14
172	Interactions between Membranes and "Metaphilic" Polypeptide Architectures with Diverse Side-Chain Populations. <i>ACS Nano</i> , <b>2017</b> , 11, 2858-2871	16.7	33
171	Cooperative polymerization of helices induced by macromolecular architecture. <i>Nature Chemistry</i> , <b>2017</b> , 9, 614-622	17.6	79
170	Investigation on the controlled synthesis and post-modification of poly-[(N-2-hydroxyethyl)-aspartamide]-based polymers. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 1872-1877	4.9	10
169	Selective in vivo metabolic cell-labeling-mediated cancer targeting. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 415-424	11.7	188
168	Manipulating the membrane penetration mechanism of helical polypeptides via aromatic modification for efficient gene delivery. <i>Acta Biomaterialia</i> , <b>2017</b> , 58, 146-157	10.8	22
167	Brd4 modulates the innate immune response through Mnk2-eIF4E pathway-dependent translational control of I $\beta$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E3993-E4001	11.5	43

166	Singlet oxygen-responsive micelles for enhanced photodynamic therapy. <i>Journal of Controlled Release</i> , <b>2017</b> , 260, 12-21	11.7	72
165	Sequentially Responsive Shell-Stacked Nanoparticles for Deep Penetration into Solid Tumors. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701170	24	279
164	Degradable and biocompatible hydrogels bearing a hindered urea bond. <i>Biomaterials Science</i> , <b>2017</b> , 5, 2398-2402	7.4	12
163	Synthetic polypeptides: from polymer design to supramolecular assembly and biomedical application. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 6570-6599	58.5	193
162	Revisiting the Helical Cooperativity of Synthetic Polypeptides in Solution. <i>Biomacromolecules</i> , <b>2017</b> , 18, 2324-2332	6.9	7
161	Modulation of polypeptide conformation through donor-acceptor transformation of side-chain hydrogen bonding ligands. <i>Nature Communications</i> , <b>2017</b> , 8, 92	17.4	33
160	Bacteria-Assisted Activation of Antimicrobial Polypeptides by a Random-Coil to Helix Transition. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10966-10969	3.6	6
159	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> , <b>2017</b> , 139, 11106-11116	16.4	17
158	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> , <b>2017</b> , 114, 12675-12680	11.5	73
157	Folding Cooperativity of Synthetic Polypeptides with or without Tertiary Interactions. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 733-737	6.6	4
156	Bacteria-Assisted Activation of Antimicrobial Polypeptides by a Random-Coil to Helix Transition. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10826-10829	16.4	77
155	Synthesis of controlled, high-molecular weight poly(l-glutamic acid) brush polymers. <i>Biomaterials Science</i> , <b>2017</b> , 5, 1836-1844	7.4	24
154	Nanoparticle delivery of chemotherapy combination regimen improves the therapeutic efficacy in mouse models of lung cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 1301-1307	6	15
153	Anticancer Agents: Polymeric Nanomedicines <b>2017</b> , 58-82		
152	Controlled Ring-Opening Polymerization of O-Carboxyanhydrides Using a Diiminate Zinc Catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13010-13014	16.4	43
151	Controlled Ring-Opening Polymerization of O-Carboxyanhydrides Using a Diiminate Zinc Catalyst. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13204-13208	3.6	8
150	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> , <b>2016</b> , 113, E4601-9	11.5	53
149	Malleable and Recyclable Poly(urea-urethane) Thermosets bearing Hindered Urea Bonds. <i>Advanced Materials</i> , <b>2016</b> , 28, 7646-51	24	230

148	Preparation of Surfactant-Resistant Polymersomes with Ultrathick Membranes through RAFT Dispersion Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17033-7	9.5	12
147	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> , <b>2016</b> , 138, 9498-507	16.4	23
146	Targeted Ultrasound-Assisted Cancer-Selective Chemical Labeling and Subsequent Cancer Imaging using Click Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5452-6	16.4	58
145	Bioresorbable silicon electronic sensors for the brain. <i>Nature</i> , <b>2016</b> , 530, 71-6	50.4	582
144	CD44 Mediated Nonviral Gene Delivery into Human Embryonic Stem Cells via Hyaluronic-Acid-Coated Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 326-335	5.5	26
143	Crosslinked dendronized polyols as a general approach to brighter and more stable fluorophores. <i>Chemical Communications</i> , <b>2016</b> , 52, 3781-4	5.8	28
142	Suppression of Hepatic Inflammation via Systemic siRNA Delivery by Membrane-Disruptive and Endosomolytic Helical Polypeptide Hybrid Nanoparticles. <i>ACS Nano</i> , <b>2016</b> , 10, 1859-70	16.7	82
141	Highly Efficient siRNA Delivery Mediated by Cationic Helical Polypeptides and Polypeptide-Based Nanosystems. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1364, 37-47	1.4	5
140	In Vivo Targeting of Metabolically Labeled Cancers with Ultra-Small Silica Nanoconjugates. <i>Theranostics</i> , <b>2016</b> , 6, 1467-76	12.1	30
139	Targeted Ultrasound-Assisted Cancer-Selective Chemical Labeling and Subsequent Cancer Imaging using Click Chemistry. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5542-5546	3.6	14
138	The Effects of Spacer Length and Composition on Aptamer-Mediated Cell-Specific Targeting with Nanoscale PEGylated Liposomal Doxorubicin. <i>ChemBioChem</i> , <b>2016</b> , 17, 1111-7	3.8	27
137	Gene Delivery Method Using Photo-Responsive Poly( $\alpha$ -Amino Ester) as Vectors. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1445, 259-67	1.4	
136	Targeted Delivery of Immunomodulators to Lymph Nodes. <i>Cell Reports</i> , <b>2016</b> , 15, 1202-13	10.6	52
135	Photoinduced Metal-Free Atom Transfer Radical Polymerization of Biomass-Based Monomers. <i>Macromolecules</i> , <b>2016</b> , 49, 7709-7717	5.5	46
134	A delayed curing ROMP based thermosetting resin. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 5093-5098	4.9	4
133	UV-responsive degradable polymers derived from 1-(4-aminophenyl) ethane-1,2-diol. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 1161-1168	2.5	13
132	Design of Albumin-Coated Microbubbles Loaded With Polylactide Nanoparticles. <i>Journal of Ultrasound in Medicine</i> , <b>2015</b> , 34, 1363-72	2.9	2
131	Synthesis and biomedical applications of functional poly( $\beta$ -hydroxy acids) via ring-opening polymerization of O-carboxyanhydrides. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 1777-87	24.3	70

130	Functional polyesters derived from alternating copolymerization of norbornene anhydride and epoxides. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 3586-3590	4.9	30
129	Leveraging Structure-Based Rational Drug Design and Nanotechnology to Destroy Leukemic Stem Cells <b>2015</b> , 449-463		
128	Dimeric drug polymeric nanoparticles with exceptionally high drug loading and quantitative loading efficiency. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3458-61	16.4	240
127	Non-invasive, real-time reporting drug release in vitro and in vivo. <i>Chemical Communications</i> , <b>2015</b> , 51, 6948-51	5.8	44
126	New frontiers for encapsulation in the chemical industry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6359-68	9.5	52
125	Targeting tumor vasculature with aptamer-functionalized doxorubicin-poly lactide nanoconjugates for enhanced cancer therapy. <i>ACS Nano</i> , <b>2015</b> , 9, 5072-81	16.7	58
124	Targeting leukemic stem cells with multifunctional bioactive polypeptide nanoparticles. <i>Future Oncology</i> , <b>2015</b> , 11, 1149-52	3.6	3
123	Polypeptide vesicles with densely packed multilayer membranes. <i>Soft Matter</i> , <b>2015</b> , 11, 4091-8	3.6	31
122	In vitro selection of a sodium-specific DNAzyme and its application in intracellular sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5903-8	11.5	226
121	CD22 as a molecular target for RNAi therapy. <i>British Journal of Haematology</i> , <b>2015</b> , 169, 401-14	4.5	10
120	Trigger chemistries for better industrial formulations. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6369-82	9.5	50
119	Helical antimicrobial polypeptides with radial amphiphilicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 13155-60	11.5	120
118	Liposomal Nanoparticles of a Spleen Tyrosine Kinase P-Site Inhibitor Amplify the Potency of Low Dose Total Body Irradiation Against Aggressive B-Precursor Leukemia and Yield Superior Survival Outcomes in Mice. <i>EBioMedicine</i> , <b>2015</b> , 2, 554-62	8.8	7
117	Dual Stimuli-Responsive Poly(ε-amino ester) Nanoparticles for On-Demand Burst Release. <i>Macromolecular Bioscience</i> , <b>2015</b> , 15, 1314-22	5.5	11
116	Self-Assembly of Helical Polypeptides Driven by Complex Coacervation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11280-11284	3.6	21
115	Nanogel-Incorporated Physical and Chemical Hybrid Gels for Highly Effective ChemoProtein Combination Therapy. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6744-6755	15.6	77
114	Self-assembly of helical polypeptides driven by complex coacervation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11128-32	16.4	68
113	Ionic helical polypeptides toward nonviral gene delivery. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2015</b> , 7, 98-110	9.2	13

112	Bioorthogonal Oxime Ligation Mediated Cancer Targeting. <i>Chemical Science</i> , <b>2015</b> , 6, 2182-2186	9.4	27
111	Redox-Responsive Self-Assembled Chain-Shattering Polymeric Therapeutics. <i>Biomaterials Science</i> , <b>2015</b> , 3, 1061-5	7.4	30
110	Development of Polypeptide-based Nanoparticles for Non-viral Delivery of CD22 RNA Trans-splicing Molecule as a New Precision Medicine Candidate Against B-lineage ALL. <i>EBioMedicine</i> , <b>2015</b> , 2, 649-59	8.8	6
109	Biodegradable micelles capable of mannose-mediated targeted drug delivery to cancer cells. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 483-9	4.8	30
108	Redox-responsive, reversibly-crosslinked thiolated cationic helical polypeptides for efficient siRNA encapsulation and delivery. <i>Journal of Controlled Release</i> , <b>2015</b> , 205, 231-9	11.7	43
107	Reduction-responsive dithiomaleimide-based nanomedicine with high drug loading and FRET-indicated drug release. <i>Chemical Communications</i> , <b>2015</b> , 51, 4807-10	5.8	42
106	Materials, designs, and operational characteristics for fully biodegradable primary batteries. <i>Advanced Materials</i> , <b>2014</b> , 26, 3879-84	24	211
105	High-efficiency motor neuron differentiation from human pluripotent stem cells and the function of Islet-1. <i>Nature Communications</i> , <b>2014</b> , 5, 3449	17.4	82
104	Recent advances in amino acid N-carboxyanhydrides and synthetic polypeptides: chemistry, self-assembly and biological applications. <i>Chemical Communications</i> , <b>2014</b> , 50, 139-55	5.8	224
103	Anticancer Camptothecin--Poly(lactic acid) Nanoconjugates with Facile Hydrolysable Linker. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 1581-1585	4.9	18
102	Dynamic urea bond for the design of reversible and self-healing polymers. <i>Nature Communications</i> , <b>2014</b> , 5, 3218	17.4	560
101	CD19-antigen specific nanoscale liposomal formulation of a SYK P-site inhibitor causes apoptotic destruction of human B-precursor leukemia cells. <i>Integrative Biology (United Kingdom)</i> , <b>2014</b> , 6, 766-80	3.7	10
100	Polypeptides with quaternary phosphonium side chains: synthesis, characterization, and cell-penetrating properties. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1491-7	6.9	22
99	Investigating the optimal size of anticancer nanomedicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 15344-9	11.5	406
98	Trigger-Responsive Poly(β-amino ester) Hydrogels.. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 693-697	6.6	40
97	Smart chemistry in polymeric nanomedicine. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 6982-7012	58.5	155
96	The effect of side-chain functionality and hydrophobicity on the gene delivery capabilities of cationic helical polypeptides. <i>Biomaterials</i> , <b>2014</b> , 35, 3443-54	15.6	71
95	Trigger-responsive, fast-degradable poly(β-amino ester)s for enhanced DNA unpackaging and reduced toxicity. <i>Biomaterials</i> , <b>2014</b> , 35, 5006-15	15.6	81



94	Maximizing gene delivery efficiencies of cationic helical polypeptides via balanced membrane penetration and cellular targeting. <i>Biomaterials</i> , <b>2014</b> , 35, 1302-14	15.6	43
93	Long-term kinetics of DNA interacting with polycations. <i>Polymer</i> , <b>2014</b> , 55, 2464-2471	3.9	21
92	A rationally designed nanoparticle for RNA interference therapy in B-lineage lymphoid malignancies. <i>EBioMedicine</i> , <b>2014</b> , 1, 141-155	8.8	13
91	Enhanced Non-Viral Gene Delivery to Human Embryonic Stem Cells via Small Molecule-Mediated Transient Alteration of Cell Structure. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 8098-8105	7.3	10
90	Hydrolyzable polyureas bearing hindered urea bonds. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16974-7	16.4	96
89	Novel delivery system for T-oligo using a nanocomplex formed with an alpha helical peptide for melanoma therapy. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 43-53	7.3	9
88	Helical Poly(arginine) Mimics with Superior Cell-Penetrating and Molecular Transporting Properties. <i>Chemical Science</i> , <b>2013</b> , 4, 3839-3844	9.4	119
87	Non-viral gene delivery via membrane-penetrating, mannose-targeting supramolecular self-assembled nanocomplexes. <i>Advanced Materials</i> , <b>2013</b> , 25, 3063-70	24	113
86	Selective Delivery of an Anticancer Drug with Aptamer-Functionalized Liposomes to Breast Cancer Cells and. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5288-5297	7.3	139
85	Nonporous Silica Nanoparticles for Nanomedicine Application. <i>Nano Today</i> , <b>2013</b> , 8, 290-312	17.9	323
84	PEG-Polypeptide Dual Brush Block Copolymers: Synthesis and Application in Nanoparticle Surface PEGylation. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 809-813	6.6	29
83	Poly(iohexol) nanoparticles as contrast agents for in vivo X-ray computed tomography imaging. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13620-3	16.4	77
82	Light-responsive helical polypeptides capable of reducing toxicity and unpacking DNA: toward nonviral gene delivery. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9182-9186	16.4	135
81	Drug-initiated ring-opening polymerization of O-carboxyanhydrides for the preparation of anticancer drug-poly(O-carboxyanhydride) nanoconjugates. <i>Biomacromolecules</i> , <b>2013</b> , 14, 920-9	6.9	60
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