

# Theresa M Reineke

## 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.

139  
papers

4,770  
citations

40  
h-index

61  
g-index

148  
ext. papers

5,625  
ext. citations

8.3  
avg, IF

6.17  
L-index

#	Paper	IF	Citations
139	Combinatorial Polycation Synthesis and Causal Machine Learning Reveal Divergent Polymer Design Rules for Effective pDNA and Ribonucleoprotein Delivery.. <i>Jacs Au</i> , <b>2022</b> , 2, 428-442		3
138	Cation Bulk and p Modulate Diblock Polymer Micelle Binding to pDNA.. <i>ACS Macro Letters</i> , <b>2022</b> , 11, 5886-5904	6.6	0
137	Ring opening polymerization of $\beta$ -acetoxy- $\gamma$ -methylvalerolactone, a triacetic acid lactone derivative. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 6724-6730	4.9	1
136	Structural Basis for the Different Mechanical Behaviors of Two Chemically Analogous, Carbohydrate-Derived Thermosets.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 609-615	6.6	0
135	Polymeric Delivery of Therapeutic Nucleic Acids. <i>Chemical Reviews</i> , <b>2021</b> , 121, 11527-11652	68.1	30
134	Cationic Bottlebrush Polymers Outperform Linear Polycation Analogues for pDNA Delivery and Gene Expression.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 886-893	6.6	10
133	Regioregular Polymers from Biobased (R)-1,3-Butylene Carbonate. <i>Macromolecules</i> , <b>2021</b> , 54, 5974-5984	5.5	4
132	Optimization of film over nanosphere substrate fabrication for SERS sensing of the allergen soybean agglutinin. <i>Journal of Raman Spectroscopy</i> , <b>2021</b> , 52, 482-490	2.3	7
131	Rapid Synthesis of Chemically Recyclable Polycarbonates from Renewable Feedstocks.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 98-103	6.6	6
130	Exploring Divergent Green Reaction Media for the Copolymerization of Biobased Monomers in the Teaching Laboratory. <i>Journal of Chemical Education</i> , <b>2021</b> , 98, 559-566	2.4	2
129	Sustainable advances in SLA/DLP 3D printing materials and processes. <i>Green Chemistry</i> , <b>2021</b> , 23, 6863-6897	6.6	15
128	Bottlebrush Polymer Excipients Enhance Drug Solubility: Influence of End-Group Hydrophilicity and Thermoresponsiveness.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 375-381	6.6	17
127	Synthesis of Isohexide Diyne Polymers and Hydrogenation to Their Saturated Polyethers.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 1068-1072	6.6	0
126	Degradable polyanhydride networks derived from itaconic acid. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 608-617	4.9	4
125	Facile synthesis of GalNAc monomers and block polycations for hepatocyte gene delivery. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 4063-4071	4.9	2
124	From Order to Disorder: Computational Design of Triblock Amphiphiles with 1 nm Domains. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 9352-9362	16.4	7
123	Block Copolymer Pressure-Sensitive Adhesives Derived from Fatty Acids and Triacetic Acid Lactone. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2719-2728	4.3	11

122	Polyplexes Are Endocytosed by and Trafficked within Filopodia. <i>Biomacromolecules</i> , <b>2020</b> , 21, 1379-1392	6.9	9
121	Mechanism of Initiation Stereocontrol in Polymerization of rac-Lactide by Aluminum Complexes Supported by Indolide-Iminine Ligands. <i>Macromolecules</i> , <b>2020</b> , 53, 1809-1818	5.5	10
120	Quinine copolymer reporters promote efficient intracellular DNA delivery and illuminate a protein-induced unpackaging mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 32919-32928	11.5	7
119	Internal Structure of Methylcellulose Fibrils. <i>Macromolecules</i> , <b>2020</b> , 53, 398-405	5.5	12
118	Next-generation polymers: Isosorbide as a renewable alternative. <i>Progress in Polymer Science</i> , <b>2020</b> , 101, 101196	29.6	60
117	Effects of Hydrophobic Tail Length Variation on Surfactant-Mediated Protein Stabilization. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 4302-4311	5.6	1
116	Hydrogenolysis of Linear Low-Density Polyethylene during Heterogeneous Catalytic Hydrogen-Deuterium Exchange. <i>Macromolecules</i> , <b>2020</b> , 53, 6043-6055	5.5	6
115	Efficient Polymer-Mediated Delivery of Gene-Editing Ribonucleoprotein Payloads through Combinatorial Design, Parallelized Experimentation, and Machine Learning. <i>ACS Nano</i> , <b>2020</b> ,	16.7	22
114	Multiplex surface-enhanced Raman scattering detection of deoxynivalenol and ochratoxin A with a linear polymer affinity agent. <i>Materials Advances</i> , <b>2020</b> , 1, 3256-3266	3.3	2
113	Polycation Architecture and Assembly Direct Successful Gene Delivery: Micelleplexes Outperform Polyplexes via Optimal DNA Packaging. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15804-15817	16.4	40
112	Sustainable near UV-curable acrylates based on natural phenolics for stereolithography 3D printing. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 1067-1077	4.9	55
111	Tuning PNIPAm self-assembly and thermoresponse: roles of hydrophobic end-groups and hydrophilic comonomer. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 3469-3479	4.9	33
110	Cross-linker Chemistry Determines the Uptake Potential of Perfluorinated Alkyl Substances by Cyclodextrin Polymers. <i>Macromolecules</i> , <b>2019</b> , 52, 3747-3752	5.5	38
109	Nonviral Gene Delivery with Cationic Glycopolymers. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1347-1358	24.3	69
108	Architectural Control of Isosorbide-Based Polyethers via Ring-Opening Polymerization. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5107-5111	16.4	34
107	Glycopolycation-DNA Polyplex Formulation N/P Ratio Affects Stability, Hemocompatibility, and in Vivo Biodistribution. <i>Biomacromolecules</i> , <b>2019</b> , 20, 1530-1544	6.9	6
106	Ternary Composite Nanofibers Containing Chondroitin Sulfate Scavenge Inflammatory Chemokines from Solution and Prohibit Squamous Cell Carcinoma Migration.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 619-624	4.7	8
105	Optimizing linear polymer affinity agent properties for surface-enhanced Raman scattering detection of aflatoxin B1. <i>Molecular Systems Design and Engineering</i> , <b>2019</b> , 4, 1019-1031	4.6	9

104	Aggregated Solution Morphology of Poly(acrylic acid)-Poly(styrene) Block Copolymers Improves Drug Supersaturation Maintenance and Caco-2 Cell Membrane Permeation. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 4423-4435	5.6	3
103	Degradable Thermoset Fibers from Carbohydrate-Derived Diols via Thiol-Ene Photopolymerization. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 2933-2942	4.3	6
102	Properties of Chemically Cross-Linked Methylcellulose Gels. <i>Macromolecules</i> , <b>2019</b> , 52, 7740-7748	5.5	6
101	Block Polymer Micelles Enable CRISPR/Cas9 Ribonucleoprotein Delivery: Physicochemical Properties Affect Packaging Mechanisms and Gene Editing Efficiency. <i>Macromolecules</i> , <b>2019</b> , 52, 8197-8206	5.5	28
100	Activation of Cellulose via Cooperative Hydroxyl-Catalyzed Transglycosylation of Glycosidic Bonds. <i>ACS Catalysis</i> , <b>2019</b> , 9, 1943-1955	13.1	22
99	Computational Prediction and Experimental Verification of $\epsilon$ -Caprolactone Ring-Opening Polymerization Activity by an Aluminum Complex of an Indolide/Schiff-Base Ligand. <i>ACS Catalysis</i> , <b>2019</b> , 9, 885-889	13.1	14
98	Molecular Additives Significantly Enhance Glycopolymer-Mediated Transfection of Large Plasmids and Functional CRISPR-Cas9 Transcription Activation Ex Vivo in Primary Human Fibroblasts and Induced Pluripotent Stem Cells. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 418-431	6.3	7
97	Immunological Properties of Protein-Polymer Nanoparticles.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 93-103	4.1	4
96	Facially amphiphilic polyionene biocidal polymers derived from lithocholic acid. <i>Bioactive Materials</i> , <b>2018</b> , 3, 186-193	16.7	20
95	Structures and Protonation States of Hydrophilic-Cationic Diblock Copolymers and Their Binding with Plasmid DNA. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 2449-2461	3.4	10
94	Complexation of DNA with Cationic Copolymer Micelles: Effects of DNA Length and Topology. <i>Macromolecules</i> , <b>2018</b> , 51, 1150-1160	5.5	22
93	Advances in Polymer Design for Enhancing Oral Drug Solubility and Delivery. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 939-952	6.3	58
92	Open-to-Air RAFT Polymerization in Complex Solvents: From Whisky to Fermentation Broth. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 406-411	6.6	37
91	Enhanced Mechanical and Adhesion Properties in Sustainable Triblock Copolymers via Non-covalent Interactions. <i>Macromolecules</i> , <b>2018</b> , 51, 2456-2465	5.5	39
90	Molecular Affinity Agents for Intrinsic Surface-Enhanced Raman Scattering (SERS) Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31825-31844	9.5	59
89	Packaging pDNA by Polymeric ABC Micelles Simultaneously Achieves Colloidal Stability and Structural Control. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11101-11111	16.4	26
88	Multifunctional Cascade Catalysis of Itaconic Acid Hydrodeoxygenation to 3-Methyl-tetrahydrofuran. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 9394-9402	8.3	6
87	Sustainable and Degradable Epoxy Resins from Trehalose, Cyclodextrin, and Soybean Oil Yield Tunable Mechanical Performance and Cell Adhesion. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 14967-14978	8.3	10

86	New Insights into Quinine-DNA Binding Using Raman Spectroscopy and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 9840-9851	3.4	13
85	Isothermal Titration Calorimetry for the Screening of Aflatoxin B1 Surface-Enhanced Raman Scattering Sensor Affinity Agents. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 13409-13418	7.8	13
84	Degradable and renewably-sourced poly(ester-thioethers) by photo-initiated thiol-ene polymerization. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 3272-3278	4.9	17
83	2-Hydroxyethylcellulose and Amphiphilic Block Polymer Conjugates Form Mechanically Tunable and Nonswellable Hydrogels. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 145-149	6.6	23
82	Complexation between DNA and Hydrophilic-Cationic Diblock Copolymers. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 2230-2243	3.4	7
81	Direct Observation of Nanostructures during Aqueous Dissolution of Polymer/Drug Particles. <i>Macromolecules</i> , <b>2017</b> , 50, 3143-3152	5.5	22
80	Polymer Day: Outreach Experiments for High School Students. <i>Journal of Chemical Education</i> , <b>2017</b> , 94, 1629-1638	2.4	25
79	Equilibration of Micelle-Polyelectrolyte Complexes: Mechanistic Differences between Static and Annealed Charge Distributions. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 4631-4641	3.4	9
78	Structure/property relationships in copolymers comprising renewable isosorbide, glucarodilactone, and 2,5-bis(hydroxymethyl)furan subunits. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 3746-3754	4.9	39
77	Heparin Enhances Transfection in Concert with a Trehalose-Based Polycation with Challenging Cell Types. <i>Biomacromolecules</i> , <b>2017</b> , 18, 56-67	6.9	13
76	Diblock Terpolymers Are Tunable and pH Responsive Vehicles To Increase Hydrophobic Drug Solubility for Oral Administration. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 4121-4127	5.6	8
75	Lipophilic Polycation Vehicles Display High Plasmid DNA Delivery to Multiple Cell Types. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 2035-2040	6.3	11
74	Cell Penetrating Polymers Containing Guanidinium Trigger Apoptosis in Human Hepatocellular Carcinoma Cells unless Conjugated to a Targeting N-Acetyl-Galactosamine Block. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 2985-2997	6.3	15
73	Complexation of Linear DNA and Poly(styrenesulfonate) with Cationic Copolymer Micelles: Effect of Polyanion Flexibility. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6708-6720	3.4	10
72	Architecture-Dependent Stabilization of Polyelectrolyte Complexes between Polyanions and Cationic Triblock Terpolymer Micelles. <i>Macromolecules</i> , <b>2016</b> , 49, 6644-6654	5.5	17
71	Sustainable glucose-based block copolymers exhibit elastomeric and adhesive behavior. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 5233-5240	4.9	47
70	Epoxy Resin Thermosets Derived from Trehalose and $\beta$ -Cyclodextrin. <i>Macromolecules</i> , <b>2016</b> , 49, 8397-8406	5.5	34
69	Predictable Heating and Positive MRI Contrast from a Mesoporous Silica-Coated Iron Oxide Nanoparticle. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 2172-83	5.6	59

68	N-Acetylgalactosamine Block-co-Polycations Form Stable Polyplexes with Plasmids and Promote Liver-Targeted Delivery. <i>Biomacromolecules</i> , <b>2016</b> , 17, 830-40	6.9	37
67	Trehalose-Based Block Copolycations Promote Polyplex Stabilization for Lyophilization and in Vivo pDNA Delivery. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 43-55	5.5	34
66	Stimuli-Responsive Polymers for Biological Detection and Delivery. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 14-18	6.6	83
65	SERS Detection of Ricin B-Chain via N-Acetyl-Galactosamine Glycopolymers. <i>ACS Sensors</i> , <b>2016</b> , 1, 842-846	6.2	26
64	Fast, Efficient, and Gentle Transfection of Human Adherent Cells in Suspension. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8870-4	9.5	7
63	Acrylic Triblock Copolymers Incorporating Isosorbide for Pressure Sensitive Adhesives. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3379-3387	8.3	70
62	High-Throughput Excipient Discovery Enables Oral Delivery of Poorly Soluble Pharmaceuticals. <i>ACS Central Science</i> , <b>2016</b> , 2, 748-755	16.8	47
61	Tuning Cationic Block Copolymer Micelle Size by pH and Ionic Strength. <i>Biomacromolecules</i> , <b>2016</b> , 17, 2849-59	6.9	46
60	Dissolution and Solubility Enhancement of the Highly Lipophilic Drug Phenytoin via Interaction with Poly(N-isopropylacrylamide-co-vinylpyrrolidone) Excipients. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 2537-43	5.6	23
59	pH- and Ionic-Strength-Induced Contraction of Polybasic Micelles in Buffered Aqueous Solutions. <i>Macromolecules</i> , <b>2015</b> , 48, 2677-2685	5.5	31
58	Isosorbide-based Polymethacrylates. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 662-667	8.3	69
57	A theranostic polycation containing trehalose and lanthanide chelate domains for siRNA delivery and monitoring. <i>RSC Advances</i> , <b>2015</b> , 5, 74102-74106	3.7	5
56	Deconstructing HPMCAS: Excipient Design to Tailor Polymer-Drug Interactions for Oral Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , <b>2015</b> , 1, 978-990	5.5	35
55	Interpolyelectrolyte Complexes of Polycationic Micelles and Linear Polyanions: Structural Stability and Temporal Evolution. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 15919-28	3.4	28
54	Sustainable Polyesters Derived from Glucose and Castor Oil: Building Block Structure Impacts Properties. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 284-288	6.6	55
53	Diffusion of Drug Delivery Nanoparticles into Biogels Using Time-Resolved MicroMRI. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3825-30	6.4	14
52	Glucose-containing diblock polycations exhibit molecular weight, charge, and cell-type dependence for pDNA delivery. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1716-26	6.9	44
51	Trehalose-functionalized block copolymers form serum-stable micelles. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 5160-5167	5	5



50	Investigating the effects of block versus statistical glycopolyocations containing primary and tertiary amines for plasmid DNA delivery. <i>Biomacromolecules</i> , <b>2014</b> , 15, 2616-28	6.9	56
49	Degradable Thermosets from Sugar-Derived Dilactones. <i>Macromolecules</i> , <b>2014</b> , 47, 498-505	5.5	30
48	Design of Tunable Multicomponent Polymers as Modular Vehicles To Solubilize Highly Lipophilic Drugs. <i>Macromolecules</i> , <b>2014</b> , 47, 6554-6565	5.5	30
47	Solution-state polymer assemblies influence BCS class II drug dissolution and supersaturation maintenance. <i>Biomacromolecules</i> , <b>2014</b> , 15, 500-11	6.9	29
46	Polymeric nanocylinders by combining block copolymer self-assembly and nanoskiving. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16283-8	9.5	12
45	Lanthanide-containing polycations for monitoring polyplex dynamics via lanthanide resonance energy transfer. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1612-24	6.9	12
44	Highlighting the role of polymer length, carbohydrate size, and nucleic acid type in potency of glycopolyocation agents for pDNA and siRNA delivery. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3903-15	6.9	25
43	Poly(trehalose): sugar-coated nanocomplexes promote stabilization and effective polyplex-mediated siRNA delivery. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15417-24	16.4	66
42	Quantitation of Complexed versus Free Polymers in Interpolyelectrolyte Polyplex Formulations.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 1038-1041	6.6	14
41	Spatiotemporal cellular imaging of polymer-pDNA nanocomplexes affords in situ morphology and trafficking trends. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 4120-35	5.6	15
40	Precise Compositional Control and Systematic Preparation of Multimonomeric Statistical Copolymers. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 770-774	6.6	40
39	Polymeric nucleic acid vehicles exploit active interorganelle trafficking mechanisms. <i>ACS Nano</i> , <b>2013</b> , 7, 347-64	16.7	65
38	Poly(2 deoxy 2 methacrylamido glucopyranose) Poly(methacrylate amine)s: Optimization of Diblock Glycopolyocations for Nucleic Acid Delivery. <i>ACS Macro Letters</i> , <b>2013</b> , 2,	6.6	39
37	Advancing polymeric delivery systems amidst a nucleic acid therapy renaissance. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 928-934	6.6	28
36	Cationic glycopolymers for the delivery of pDNA to human dermal fibroblasts and rat mesenchymal stem cells. <i>Biomaterials</i> , <b>2012</b> , 33, 1851-62	15.6	42
35	Glucose-Based Poly(ester amines): Synthesis, Degradation, and Biological Delivery. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 1388-1392	6.6	17
34	Membrane and nuclear permeabilization by polymeric pDNA vehicles: efficient method for gene delivery or mechanism of cytotoxicity?. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 523-38	5.6	87
33	Exploring the mechanism of plasmid DNA nuclear internalization with polymer-based vehicles. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 2256-67	5.6	54

32	Effects of trehalose polycation end-group functionalization on plasmid DNA uptake and transfection. <i>Biomacromolecules</i> , <b>2012</b> , 13, 2229-39	6.9	18
31	In vivo delivery of nucleic acids via glycopolymer vehicles affords therapeutic infarct size reduction in vivo. <i>Molecular Therapy</i> , <b>2012</b> , 20, 601-8	11.7	32
30	Glucose-Functionalized, Serum-Stable Polymeric Micelles from the Combination of Anionic and RAFT Polymerizations. <i>Macromolecules</i> , <b>2012</b> , 45, 4322-4332	5.5	57
29	MAG versus PEG: Incorporating a Poly(MAG) Layer to Promote Colloidal Stability of Nucleic Acid/Click Cluster Complexes. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 609-613	6.6	27
28	Interaction of poly(ethylenimine)-DNA polyplexes with mitochondria: implications for a mechanism of cytotoxicity. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 1709-19	5.6	66
27	Structure-activity examination of poly(glycoamidoguanidine)s: glycopolyplexes containing guanidine units for nucleic acid delivery. <i>Biomacromolecules</i> , <b>2011</b> , 12, 2055-63	6.9	17
26	Poly(glycoamidoamine)s: a broad class of carbohydrate-containing polycations for nucleic acid delivery. <i>Trends in Biotechnology</i> , <b>2011</b> , 29, 443-53	15.1	28
25	Diblock glycopolymers promote colloidal stability of polyplexes and effective pDNA and siRNA delivery under physiological salt and serum conditions. <i>Biomacromolecules</i> , <b>2011</b> , 12, 3015-22	6.9	76
24	Interaction of poly(glycoamidoamine) DNA delivery vehicles with cell-surface glycosaminoglycans leads to polyplex internalization in a manner not solely dependent on charge. <i>Molecular Pharmaceutics</i> , <b>2010</b> , 7, 1757-68	5.6	30
23	Poly(glycoamidoamine) vehicles promote pDNA uptake through multiple routes and efficient gene expression via caveolae-mediated endocytosis. <i>Molecular Pharmaceutics</i> , <b>2010</b> , 7, 738-50	5.6	79
22	Carbohydrate polymers for nonviral nucleic acid delivery. <i>Topics in Current Chemistry</i> , <b>2010</b> , 296, 131-90		43
21	Degradation of poly(glycoamidoamine) DNA delivery vehicles: polyamide hydrolysis at physiological conditions promotes DNA release. <i>Biomacromolecules</i> , <b>2010</b> , 11, 316-25	6.9	42
20	Amide spacing influences pDNA binding of poly(amidoamine)s. <i>Biomacromolecules</i> , <b>2010</b> , 11, 326-32	6.9	32
19	A polycation scaffold presenting tunable "click" sites: conjugation to carbohydrate ligands and examination of hepatocyte-targeted pDNA delivery. <i>Macromolecular Bioscience</i> , <b>2010</b> , 10, 585-98	5.5	8
18	Versatile supramolecular pDNA vehicles via "click polymerization" of beta-cyclodextrin with oligoethyleneamines. <i>Biomaterials</i> , <b>2009</b> , 30, 928-38	15.6	64
17	Polymer beacons for luminescence and magnetic resonance imaging of DNA delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 16913-8	11.5	82
16	Polycationic beta-cyclodextrin "click clusters": monodisperse and versatile scaffolds for nucleic acid delivery. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4618-27	16.4	185
15	Correlation of amine number and pDNA binding mechanism for trehalose-based polycations. <i>Langmuir</i> , <b>2008</b> , 24, 8090-101	4	42



14	General structure-activity relationship for poly(glycoamidoamine)s: the effect of amine density on cytotoxicity and DNA delivery efficiency. <i>Bioconjugate Chemistry</i> , <b>2008</b> , 19, 428-40	6.3	44
13	Peptide-functionalized poly(ethylene glycol) star polymers: DNA delivery vehicles with multivalent molecular architecture. <i>Bioconjugate Chemistry</i> , <b>2008</b> , 19, 76-88	6.3	39
12	Non-viral delivery of therapeutic nucleic acids to investigate the role of transcriptional networks in the ischemic heart. <i>FASEB Journal</i> , <b>2008</b> , 22, 1130.11	0.9	
11	Effects of trehalose click polymer length on pDNA complex stability and delivery efficacy. <i>Biomaterials</i> , <b>2007</b> , 28, 2885-98	15.6	78
10	Deciphering the role of hydrogen bonding in enhancing pDNA-polycation interactions. <i>Langmuir</i> , <b>2007</b> , 23, 9773-84	4	104
9	Poly(glycoamidoamine)s for gene delivery. structural effects on cellular internalization, buffering capacity, and gene expression. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 19-30	6.3	96
8	Trehalose click polymers inhibit nanoparticle aggregation and promote pDNA delivery in serum. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 8176-84	16.4	173
7	Poly(glycoamidoamine)s for gene delivery: stability of polyplexes and efficacy with cardiomyoblast cells. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 101-8	6.3	64
6	Poly(glycoamidoamine)s: Cationic glycopolymers for DNA delivery. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 6895-6908	2.5	33
5	Gene Delivery with Novel Poly(l-tartaramidoamine)s. <i>ACS Symposium Series</i> , <b>2006</b> , 217-227	0.4	12
4	Hydroxyl stereochemistry and amine number within poly(glycoamidoamine)s affect intracellular DNA delivery. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 3004-15	16.4	222
3	New poly(d-glucaramidoamine)s induce DNA nanoparticle formation and efficient gene delivery into mammalian cells. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 7422-3	16.4	126
2	Structural effects of carbohydrate-containing polycations on gene delivery. 2. Charge center type. <i>Bioconjugate Chemistry</i> , <b>2003</b> , 14, 255-61	6.3	97
1	Structural effects of carbohydrate-containing polycations on gene delivery. 1. Carbohydrate size and its distance from charge centers. <i>Bioconjugate Chemistry</i> , <b>2003</b> , 14, 247-54	6.3	112