

Theresa M Reineke

List of Publications by Year in descending order

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142
papers

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citations

50170

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docs citations

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times ranked

6457
citing authors

#	ARTICLE	IF	CITATIONS
1	Combinatorial Polycation Synthesis and Causal Machine Learning Reveal Divergent Polymer Design Rules for Effective pDNA and Ribonucleoprotein Delivery. <i>Jacs Au</i> , 2022, 2, 428-442.	3.6	22
2	Defining the Macromolecules of Tomorrow through Synergistic Sustainable Polymer Research. <i>Chemical Reviews</i> , 2022, 122, 6322-6373.	23.0	99
3	Stereoregular functionalized polysaccharides via cationic ring-opening polymerization of biomass-derived levoglucosan. <i>Chemical Science</i> , 2022, 13, 4512-4522.	3.7	13
4	Cation Bulk and pKa Modulate Diblock Polymer Micelle Binding to pDNA. <i>ACS Macro Letters</i> , 2022, 11, 588-594.	2.3	7
5	Optimization of film over nanosphere substrate fabrication for SERS sensing of the allergen soybean agglutinin. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 482-490.	1.2	14
6	Rapid Synthesis of Chemically Recyclable Polycarbonates from Renewable Feedstocks. <i>ACS Macro Letters</i> , 2021, 10, 98-103.	2.3	50
7	Exploring Divergent Green Reaction Media for the Copolymerization of Biobased Monomers in the Teaching Laboratory. <i>Journal of Chemical Education</i> , 2021, 98, 559-566.	1.1	3
8	Sustainable advances in SLA/DLP 3D printing materials and processes. <i>Green Chemistry</i> , 2021, 23, 6863-6897.	4.6	111
9	Bottlebrush Polymer Excipients Enhance Drug Solubility: Influence of End-Group Hydrophilicity and Thermoresponsiveness. <i>ACS Macro Letters</i> , 2021, 10, 375-381.	2.3	28
10	Structural Basis for the Different Mechanical Behaviors of Two Chemically Analogous, Carbohydrate-Derived Thermosets. <i>ACS Macro Letters</i> , 2021, 10, 609-615.	2.3	5
11	Polymeric Delivery of Therapeutic Nucleic Acids. <i>Chemical Reviews</i> , 2021, 121, 11527-11652.	23.0	138
12	Cationic Bottlebrush Polymers Outperform Linear Polycation Analogues for pDNA Delivery and Gene Expression. <i>ACS Macro Letters</i> , 2021, 10, 886-893.	2.3	34
13	Regioregular Polymers from Biobased (<i>ε</i> -1,3-Butylene Carbonate. <i>Macromolecules</i> , 2021, 54, 5974-5984.	2.2	9
14	Synthesis of Isohexide Diyne Polymers and Hydrogenation to Their Saturated Polyethers. <i>ACS Macro Letters</i> , 2021, 10, 1068-1072.	2.3	6
15	Degradable polyanhydride networks derived from itaconic acid. <i>Polymer Chemistry</i> , 2021, 12, 608-617.	1.9	10
16	Facile synthesis of GalNAc monomers and block polycations for hepatocyte gene delivery. <i>Polymer Chemistry</i> , 2021, 12, 4063-4071.	1.9	4
17	Ring opening polymerization of $\hat{\epsilon}$ -acetoxyl-methylvalerolactone, a triacetic acid lactone derivative. <i>Polymer Chemistry</i> , 2021, 12, 6724-6730.	1.9	5
18	Internal Structure of Methylcellulose Fibrils. <i>Macromolecules</i> , 2020, 53, 398-405.	2.2	22

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19	Next-generation polymers: Isosorbide as a renewable alternative. <i>Progress in Polymer Science</i> , 2020, 101, 101196.	11.8	140
20	Effects of Hydrophobic Tail Length Variation on Surfactant-Mediated Protein Stabilization. <i>Molecular Pharmaceutics</i> , 2020, 17, 4302-4311.	2.3	10
21	Hydrogenolysis of Linear Low-Density Polyethylene during Heterogeneous Catalytic Hydrogen-Deuterium Exchange. <i>Macromolecules</i> , 2020, 53, 6043-6055.	2.2	27
22	Efficient Polymer-Mediated Delivery of Gene-Editing Ribonucleoprotein Payloads through Combinatorial Design, Parallelized Experimentation, and Machine Learning. <i>ACS Nano</i> , 2020, 14, 17626-17639.	7.3	58
23	Multiplex surface-enhanced Raman scattering detection of deoxynivalenol and ochratoxin A with a linear polymer affinity agent. <i>Materials Advances</i> , 2020, 1, 3256-3266.	2.6	10
24	From Order to Disorder: Computational Design of Triblock Amphiphiles with 1 nm Domains. <i>Journal of the American Chemical Society</i> , 2020, 142, 9352-9362.	6.6	9
25	Block Copolymer Pressure-Sensitive Adhesives Derived from Fatty Acids and Triacetic Acid Lactone. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2719-2728.	2.0	19
26	Polyplexes Are Endocytosed by and Trafficked within Filopodia. <i>Biomacromolecules</i> , 2020, 21, 1379-1392.	2.6	13
27	Mechanism of Initiation Stereocontrol in Polymerization of <i>rac</i> -Lactide by Aluminum Complexes Supported by Indolide-Imine Ligands. <i>Macromolecules</i> , 2020, 53, 1809-1818.	2.2	13
28	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> , 2020, 117, 32919-32928.	3.3	20
29	Optimizing linear polymer affinity agent properties for surface-enhanced Raman scattering detection of aflatoxin B1. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 1019-1031.	1.7	17
30	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> , 2019, 16, 4423-4435.	2.3	3
31	Degradable Thermoset Fibers from Carbohydrate-Derived Diols via Thiol-Ene Photopolymerization. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2933-2942.	2.0	17
32	Properties of Chemically Cross-Linked Methylcellulose Gels. <i>Macromolecules</i> , 2019, 52, 7740-7748.	2.2	15
33	Block Polymer Micelles Enable CRISPR/Cas9 Ribonucleoprotein Delivery: Physicochemical Properties Affect Packaging Mechanisms and Gene Editing Efficiency. <i>Macromolecules</i> , 2019, 52, 8197-8206.	2.2	48
34	Polycation Architecture and Assembly Direct Successful Gene Delivery: Micelleplexes Outperform Polyplexes via Optimal DNA Packaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 15804-15817.	6.6	77
35	Sustainable near UV-curable acrylates based on natural phenolics for stereolithography 3D printing. <i>Polymer Chemistry</i> , 2019, 10, 1067-1077.	1.9	94
36	Tuning PNIPAm self-assembly and thermoresponse: roles of hydrophobic end-groups and hydrophilic comonomer. <i>Polymer Chemistry</i> , 2019, 10, 3469-3479.	1.9	56

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37	Cross-linker Chemistry Determines the Uptake Potential of Perfluorinated Alkyl Substances by β -Cyclodextrin Polymers. <i>Macromolecules</i> , 2019, 52, 3747-3752.	2.2	64
38	Nonviral Gene Delivery with Cationic Glycopolymers. <i>Accounts of Chemical Research</i> , 2019, 52, 1347-1358.	7.6	116
39	Architectural Control of Isosorbide-Based Polyethers via Ring-Opening Polymerization. <i>Journal of the American Chemical Society</i> , 2019, 141, 5107-5111.	6.6	62
40	Glycopolycationâ€“DNA Polyplex Formulation N/P Ratio Affects Stability, Hemocompatibility, and in Vivo Biodistribution. <i>Biomacromolecules</i> , 2019, 20, 1530-1544.	2.6	14
41	Ternary Composite Nanofibers Containing Chondroitin Sulfate Scavenge Inflammatory Chemokines from Solution and Prohibit Squamous Cell Carcinoma Migration. <i>ACS Applied Bio Materials</i> , 2019, 2, 619-624.	2.3	11
42	Delivery of Proteins and Nucleic Acids: Achievements and Challenges. <i>Bioconjugate Chemistry</i> , 2019, 30, 261-262.	1.8	18
43	Activation of Cellulose via Cooperative Hydroxyl-Catalyzed Transglycosylation of Glycosidic Bonds. <i>ACS Catalysis</i> , 2019, 9, 1943-1955.	5.5	32
44	Computational Prediction and Experimental Verification of ϵ -Caprolactone Ring-Opening Polymerization Activity by an Aluminum Complex of an Indolide/Schiff-Base Ligand. <i>ACS Catalysis</i> , 2019, 9, 885-889.	5.5	20
45	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> , 2019, 30, 418-431.	1.8	11
46	Immunological Properties of Proteinâ€“Polymer Nanoparticles. <i>ACS Applied Bio Materials</i> , 2019, 2, 93-103.	2.3	12
47	Facially amphiphilic polyionene biocidal polymers derived from lithocholic acid. <i>Bioactive Materials</i> , 2018, 3, 186-193.	8.6	27
48	Structures and Protonation States of Hydrophilicâ€“Cationic Diblock Copolymers and Their Binding with Plasmid DNA. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2449-2461.	1.2	12
49	Complexation of DNA with Cationic Copolymer Micelles: Effects of DNA Length and Topology. <i>Macromolecules</i> , 2018, 51, 1150-1160.	2.2	31
50	Advances in Polymer Design for Enhancing Oral Drug Solubility and Delivery. <i>Bioconjugate Chemistry</i> , 2018, 29, 939-952.	1.8	97
51	Open-to-Air RAFT Polymerization in Complex Solvents: From Whisky to Fermentation Broth. <i>ACS Macro Letters</i> , 2018, 7, 406-411.	2.3	48
52	Enhanced Mechanical and Adhesion Properties in Sustainable Triblock Copolymers via Non-covalent Interactions. <i>Macromolecules</i> , 2018, 51, 2456-2465.	2.2	46
53	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> , 2018, 6, 14967-14978.	3.2	19
54	New Insights into Quinineâ€“DNA Binding Using Raman Spectroscopy and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9840-9851.	1.2	25

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55	Isothermal Titration Calorimetry for the Screening of Aflatoxin B1 Surface-Enhanced Raman Scattering Sensor Affinity Agents. <i>Analytical Chemistry</i> , 2018, 90, 13409-13418.	3.2	18
56	Degradable and renewably-sourced poly(ester-thioethers) by photo-initiated thiol-ene polymerization. <i>Polymer Chemistry</i> , 2018, 9, 3272-3278.	1.9	26
57	Molecular Affinity Agents for Intrinsic Surface-Enhanced Raman Scattering (SERS) Sensors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31825-31844.	4.0	85
58	Packaging pDNA by Polymeric ABC Micelles Simultaneously Achieves Colloidal Stability and Structural Control. <i>Journal of the American Chemical Society</i> , 2018, 140, 11101-11111.	6.6	49
59	Multifunctional Cascade Catalysis of Itaconic Acid Hydrodeoxygenation to 3-Methyl-tetrahydrofuran. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9394-9402.	3.2	11
60	2-Hydroxyethylcellulose and Amphiphilic Block Polymer Conjugates Form Mechanically Tunable and Nonswellable Hydrogels. <i>ACS Macro Letters</i> , 2017, 6, 145-149.	2.3	35
61	Complexation between DNA and Hydrophilic-Cationic Diblock Copolymers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2230-2243.	1.2	12
62	Direct Observation of Nanostructures during Aqueous Dissolution of Polymer/Drug Particles. <i>Macromolecules</i> , 2017, 50, 3143-3152.	2.2	26
63	Polymer Day: Outreach Experiments for High School Students. <i>Journal of Chemical Education</i> , 2017, 94, 1629-1638.	1.1	31
64	Equilibration of Micelle-Polyelectrolyte Complexes: Mechanistic Differences between Static and Annealed Charge Distributions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4631-4641.	1.2	12
65	Structure/property relationships in copolymers comprising renewable isosorbide, glucarodilactone, and 2,5-bis(hydroxymethyl)furan subunits. <i>Polymer Chemistry</i> , 2017, 8, 3746-3754.	1.9	53
66	Heparin Enhances Transfection in Concert with a Trehalose-Based Polycation with Challenging Cell Types. <i>Biomacromolecules</i> , 2017, 18, 56-67.	2.6	16
67	Diblock Terpolymers Are Tunable and pH Responsive Vehicles To Increase Hydrophobic Drug Solubility for Oral Administration. <i>Molecular Pharmaceutics</i> , 2017, 14, 4121-4127.	2.3	9
68	Lipophilic Polycation Vehicles Display High Plasmid DNA Delivery to Multiple Cell Types. <i>Bioconjugate Chemistry</i> , 2017, 28, 2035-2040.	1.8	11
69	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> , 2017, 28, 2985-2997.	1.8	21
70	Complexation of Linear DNA and Poly(styrenesulfonate) with Cationic Copolymer Micelles: Effect of Polyanion Flexibility. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6708-6720.	1.2	15
71	SERS Detection of Ricin B-Chain via N-Acetyl-Galactosamine Glycopolymers. <i>ACS Sensors</i> , 2016, 1, 842-846.	4.0	32
72	Fast, Efficient, and Gentle Transfection of Human Adherent Cells in Suspension. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8870-8874.	4.0	9

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73	Acrylic Triblock Copolymers Incorporating Isosorbide for Pressure Sensitive Adhesives. ACS Sustainable Chemistry and Engineering, 2016, 4, 3379-3387.	3.2	102
74	High-Throughput Excipient Discovery Enables Oral Delivery of Poorly Soluble Pharmaceuticals. ACS Central Science, 2016, 2, 748-755.	5.3	62
75	Tuning Cationic Block Copolymer Micelle Size by pH and Ionic Strength. Biomacromolecules, 2016, 17, 2849-2859.	2.6	63
76	Architecture-Dependent Stabilization of Polyelectrolyte Complexes between Polyanions and Cationic Triblock Terpolymer Micelles. Macromolecules, 2016, 49, 6644-6654.	2.2	21
77	Sustainable glucose-based block copolymers exhibit elastomeric and adhesive behavior. Polymer Chemistry, 2016, 7, 5233-5240.	1.9	56
78	Epoxy Resin Thermosets Derived from Trehalose and β -Cyclodextrin. Macromolecules, 2016, 49, 8397-8406.	2.2	51
79	Predictable Heating and Positive MRI Contrast from a Mesoporous Silica-Coated Iron Oxide Nanoparticle. Molecular Pharmaceutics, 2016, 13, 2172-2183.	2.3	75
80	<i>N</i> -Acetylgalactosamine Block- <i>co</i> -Polycations Form Stable Polyplexes with Plasmids and Promote Liver-Targeted Delivery. Biomacromolecules, 2016, 17, 830-840.	2.6	42
81	Trehalose-Based Block Copolycations Promote Polyplex Stabilization for Lyophilization and in Vivo pDNA Delivery. ACS Biomaterials Science and Engineering, 2016, 2, 43-55.	2.6	42
82	Stimuli-Responsive Polymers for Biological Detection and Delivery. ACS Macro Letters, 2016, 5, 14-18.	2.3	95
83	Interpolyelectrolyte Complexes of Polycationic Micelles and Linear Polyanions: Structural Stability and Temporal Evolution. Journal of Physical Chemistry B, 2015, 119, 15919-15928.	1.2	35
84	Sustainable Polyesters Derived from Glucose and Castor Oil: Building Block Structure Impacts Properties. ACS Macro Letters, 2015, 4, 284-288.	2.3	69
85	Dissolution and Solubility Enhancement of the Highly Lipophilic Drug Phenytoin via Interaction with Poly(<i>N</i> -isopropylacrylamide- <i>co</i> -vinylpyrrolidone) Excipients. Molecular Pharmaceutics, 2015, 12, 2537-2543.	2.3	25
86	pH- and Ionic-Strength-Induced Contraction of Polybasic Micelles in Buffered Aqueous Solutions. Macromolecules, 2015, 48, 2677-2685.	2.2	47
87	Isosorbide-based Polymethacrylates. ACS Sustainable Chemistry and Engineering, 2015, 3, 662-667.	3.2	89
88	A theranostic polycation containing trehalose and lanthanide chelate domains for siRNA delivery and monitoring. RSC Advances, 2015, 5, 74102-74106.	1.7	6
89	Deconstructing HPMCAS: Excipient Design to Tailor Polymer-Drug Interactions for Oral Drug Delivery. ACS Biomaterials Science and Engineering, 2015, 1, 978-990.	2.6	42
90	Diffusion of Drug Delivery Nanoparticles into Biogels Using Time-Resolved MicroMRI. Journal of Physical Chemistry Letters, 2014, 5, 3825-3830.	2.1	17

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91	Glucose-Containing Diblock Polycations Exhibit Molecular Weight, Charge, and Cell-Type Dependence for pDNA Delivery. <i>Biomacromolecules</i> , 2014, 15, 1716-1726.	2.6	51
92	Trehalose-functionalized block copolymers form serum-stable micelles. <i>Polymer Chemistry</i> , 2014, 5, 5160-5167.	1.9	6
93	Investigating the Effects of Block versus Statistical Glycopolycations Containing Primary and Tertiary Amines for Plasmid DNA Delivery. <i>Biomacromolecules</i> , 2014, 15, 2616-2628.	2.6	71
94	Degradable Thermosets from Sugar-Derived Dilactones. <i>Macromolecules</i> , 2014, 47, 498-505.	2.2	38
95	Design of Tunable Multicomponent Polymers as Modular Vehicles To Solubilize Highly Lipophilic Drugs. <i>Macromolecules</i> , 2014, 47, 6554-6565.	2.2	33
96	Solution-State Polymer Assemblies Influence BCS Class II Drug Dissolution and Supersaturation Maintenance. <i>Biomacromolecules</i> , 2014, 15, 500-511.	2.6	31
97	Polymeric Nanocylinders by Combining Block Copolymer Self-Assembly and Nanoskiving. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16283-16288.	4.0	12
98	Lanthanide-Containing Polycations for Monitoring Polyplex Dynamics via Lanthanide Resonance Energy Transfer. <i>Biomacromolecules</i> , 2014, 15, 1612-1624.	2.6	12
99	Highlighting the Role of Polymer Length, Carbohydrate Size, and Nucleic Acid Type in Potency of Glycopolycation Agents for pDNA and siRNA Delivery. <i>Biomacromolecules</i> , 2013, 14, 3903-3915.	2.6	28
100	Poly(trehalose): Sugar-Coated Nanocomplexes Promote Stabilization and Effective Polyplex-Mediated siRNA Delivery. <i>Journal of the American Chemical Society</i> , 2013, 135, 15417-15424.	6.6	82
101	Quantitation of Complexed versus Free Polymers in Interpolyelectrolyte Polyplex Formulations. <i>ACS Macro Letters</i> , 2013, 2, 1038-1041.	2.3	15
102	Spatiotemporal Cellular Imaging of Polymer-pDNA Nanocomplexes Affords in Situ Morphology and Trafficking Trends. <i>Molecular Pharmaceutics</i> , 2013, 10, 4120-4135.	2.3	17
103	Precise Compositional Control and Systematic Preparation of Multimonomeric Statistical Copolymers. <i>ACS Macro Letters</i> , 2013, 2, 770-774.	2.3	46
104	Polymeric Nucleic Acid Vehicles Exploit Active Interorganellar Trafficking Mechanisms. <i>ACS Nano</i> , 2013, 7, 347-364.	7.3	76
105	Poly(2-deoxy-2-methacrylamido glucopyranose)- <i>b</i> -Poly(methacrylate amine)s: Optimization of Diblock Glycopolycations for Nucleic Acid Delivery. <i>ACS Macro Letters</i> , 2013, 2, 230-235.	2.3	43
106	Advancing Polymeric Delivery Systems Amidst a Nucleic Acid Therapy Renaissance. <i>ACS Macro Letters</i> , 2013, 2, 928-934.	2.3	31
107	Glucose-Based Poly(ester amines): Synthesis, Degradation, and Biological Delivery. <i>ACS Macro Letters</i> , 2012, 1, 1388-1392.	2.3	20
108	Membrane and Nuclear Permeabilization by Polymeric pDNA Vehicles: Efficient Method for Gene Delivery or Mechanism of Cytotoxicity?. <i>Molecular Pharmaceutics</i> , 2012, 9, 523-538.	2.3	98

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109	Exploring the Mechanism of Plasmid DNA Nuclear Internalization with Polymer-Based Vehicles. <i>Molecular Pharmaceutics</i> , 2012, 9, 2256-2267.	2.3	60
110	Effects of Trehalose Polycation End-Group Functionalization on Plasmid DNA Uptake and Transfection. <i>Biomacromolecules</i> , 2012, 13, 2229-2239.	2.6	20
111	In Vivo Delivery of Nucleic Acids via Glycopolymer Vehicles Affords Therapeutic Infarct Size Reduction In Vivo. <i>Molecular Therapy</i> , 2012, 20, 601-608.	3.7	41
112	Glucose-Functionalized, Serum-Stable Polymeric Micelles from the Combination of Anionic and RAFT Polymerizations. <i>Macromolecules</i> , 2012, 45, 4322-4332.	2.2	60
113	MAG versus PEG: Incorporating a Poly(MAG) Layer to Promote Colloidal Stability of Nucleic Acid/Click Cluster-Complexes. <i>ACS Macro Letters</i> , 2012, 1, 609-613.	2.3	29
114	Cationic glycopolymers for the delivery of pDNA to human dermal fibroblasts and rat mesenchymal stem cells. <i>Biomaterials</i> , 2012, 33, 1851-1862.	5.7	44
115	Diblock Glycopolymers Promote Colloidal Stability of Polyplexes and Effective pDNA and siRNA Delivery under Physiological Salt and Serum Conditions. <i>Biomacromolecules</i> , 2011, 12, 3015-3022.	2.6	85
116	Interaction of Poly(ethylenimine)-DNA Polyplexes with Mitochondria: Implications for a Mechanism of Cytotoxicity. <i>Molecular Pharmaceutics</i> , 2011, 8, 1709-1719.	2.3	76
117	Structure-Activity Examination of Poly(glycoamidoguanidine)s: Glycopolycations Containing Guanidine Units for Nucleic Acid Delivery. <i>Biomacromolecules</i> , 2011, 12, 2055-2063.	2.6	20
118	Poly(glycoamidoamine)s: a broad class of carbohydrate-containing polycations for nucleic acid delivery. <i>Trends in Biotechnology</i> , 2011, 29, 443-453.	4.9	30
119	A Polycation Scaffold Presenting Tunable Click-Sites: Conjugation to Carbohydrate Ligands and Examination of Hepatocyte-Targeted pDNA Delivery. <i>Macromolecular Bioscience</i> , 2010, 10, 585-598.	2.1	11
120	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> , 2010, 7, 1757-1768.	2.3	33
121	Poly(glycoamidoamine) Vehicles Promote pDNA Uptake through Multiple Routes and Efficient Gene Expression via Caveolae-Mediated Endocytosis. <i>Molecular Pharmaceutics</i> , 2010, 7, 738-750.	2.3	87
122	Carbohydrate Polymers for Nonviral Nucleic Acid Delivery. <i>Topics in Current Chemistry</i> , 2010, 296, 131-190.	4.0	45
123	Degradation of Poly(glycoamidoamine) DNA Delivery Vehicles: Polyamide Hydrolysis at Physiological Conditions Promotes DNA Release. <i>Biomacromolecules</i> , 2010, 11, 316-325.	2.6	47
124	Amide Spacing Influences pDNA Binding of Poly(amidoamine)s. <i>Biomacromolecules</i> , 2010, 11, 326-332.	2.6	34
125	Versatile supramolecular pDNA vehicles via click polymerization of β -cyclodextrin with oligoethyleneamines. <i>Biomaterials</i> , 2009, 30, 928-938.	5.7	66
126	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> , 2009, 106, 16913-16918.	3.3	90

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127	Polycationic β -Cyclodextrin "Click Clusters" Monodisperse and Versatile Scaffolds for Nucleic Acid Delivery. <i>Journal of the American Chemical Society</i> , 2008, 130, 4618-4627.	6.6	204
128	Correlation of Amine Number and pDNA Binding Mechanism for Trehalose-Based Polycations. <i>Langmuir</i> , 2008, 24, 8090-8101.	1.6	49
129	General Structure-Activity Relationship for Poly(glycoamidoamine)s: The Effect of Amine Density on Cytotoxicity and DNA Delivery Efficiency. <i>Bioconjugate Chemistry</i> , 2008, 19, 428-440.	1.8	48
130	Peptide-Functionalized Poly(ethylene glycol) Star Polymers: DNA Delivery Vehicles with Multivalent Molecular Architecture. <i>Bioconjugate Chemistry</i> , 2008, 19, 76-88.	1.8	43
131	Non-viral delivery of therapeutic nucleic acids to investigate the role of transcriptional networks in the ischemic heart. <i>FASEB Journal</i> , 2008, 22, 1130.11.	0.2	0
132	Deciphering the Role of Hydrogen Bonding in Enhancing pDNA~Polycation Interactions. <i>Langmuir</i> , 2007, 23, 9773-9784.	1.6	114
133	Poly(glycoamidoamine)s for Gene Delivery. Structural Effects on Cellular Internalization, Buffering Capacity, and Gene Expression. <i>Bioconjugate Chemistry</i> , 2007, 18, 19-30.	1.8	99
134	Effects of trehalose click polymer length on pDNA complex stability and delivery efficacy. <i>Biomaterials</i> , 2007, 28, 2885-2898.	5.7	85
135	Trehalose Click Polymers Inhibit Nanoparticle Aggregation and Promote pDNA Delivery in Serum. <i>Journal of the American Chemical Society</i> , 2006, 128, 8176-8184.	6.6	191
136	Poly(glycoamidoamine)s for Gene Delivery: Stability of Polyplexes and Efficacy with Cardiomyoblast Cells. <i>Bioconjugate Chemistry</i> , 2006, 17, 101-108.	1.8	67
137	Poly(glycoamidoamine)s: Cationic glycopolymers for DNA delivery. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6895-6908.	2.5	36
138	Gene Delivery with Novel Poly(l-tartaramidoamine)s. <i>ACS Symposium Series</i> , 2006, , 217-227.	0.5	13
139	Hydroxyl Stereochemistry and Amine Number within Poly(glycoamidoamine)s Affect Intracellular DNA Delivery. <i>Journal of the American Chemical Society</i> , 2005, 127, 3004-3015.	6.6	234
140	New Poly(d-glucaramidoamine)s Induce DNA Nanoparticle Formation and Efficient Gene Delivery into Mammalian Cells. <i>Journal of the American Chemical Society</i> , 2004, 126, 7422-7423.	6.6	133
141	Structural Effects of Carbohydrate-Containing Polycations on Gene Delivery. 2. Charge Center Type. <i>Bioconjugate Chemistry</i> , 2003, 14, 255-261.	1.8	104
142	Structural Effects of Carbohydrate-Containing Polycations on Gene Delivery. 1. Carbohydrate Size and Its Distance from Charge Centers. <i>Bioconjugate Chemistry</i> , 2003, 14, 247-254.	1.8	122