

Theresa M Reineke

List of Publications by Citations

Source: <https://exaly.com/author-pdf/966775/theresa-m-reineke-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Hydroxyl stereochemistry and amine number within poly(glycoamidoamine)s affect intracellular DNA delivery. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3004-15	16.4	222
138	Polycationic beta-cyclodextrin "click clusters": monodisperse and versatile scaffolds for nucleic acid delivery. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4618-27	16.4	185
137	Trehalose click polymers inhibit nanoparticle aggregation and promote pDNA delivery in serum. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8176-84	16.4	173
136	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, 7422-3	16.4	126
135	Structural effects of carbohydrate-containing polycations on gene delivery. 1. Carbohydrate size and its distance from charge centers. <i>Bioconjugate Chemistry</i> , 2003 , 14, 247-54	6.3	112
134	Deciphering the role of hydrogen bonding in enhancing pDNA-polycation interactions. <i>Langmuir</i> , 2007 , 23, 9773-84	4	104
133	Structural effects of carbohydrate-containing polycations on gene delivery. 2. Charge center type. <i>Bioconjugate Chemistry</i> , 2003 , 14, 255-61	6.3	97
132	Poly(glycoamidoamine)s for gene delivery. structural effects on cellular internalization, buffering capacity, and gene expression. <i>Bioconjugate Chemistry</i> , 2007 , 18, 19-30	6.3	96
131	Membrane and nuclear permeabilization by polymeric pDNA vehicles: efficient method for gene delivery or mechanism of cytotoxicity?. <i>Molecular Pharmaceutics</i> , 2012 , 9, 523-38	5.6	87
130	Stimuli-Responsive Polymers for Biological Detection and Delivery. <i>ACS Macro Letters</i> , 2016 , 5, 14-18	6.6	83
129	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, 16913-8	11.5	82
128	Poly(glycoamidoamine) vehicles promote pDNA uptake through multiple routes and efficient gene expression via caveolae-mediated endocytosis. <i>Molecular Pharmaceutics</i> , 2010 , 7, 738-50	5.6	79
127	Effects of trehalose click polymer length on pDNA complex stability and delivery efficacy. <i>Biomaterials</i> , 2007 , 28, 2885-98	15.6	78
126	Diblock glycopolymers promote colloidal stability of polyplexes and effective pDNA and siRNA delivery under physiological salt and serum conditions. <i>Biomacromolecules</i> , 2011 , 12, 3015-22	6.9	76
125	Acrylic Triblock Copolymers Incorporating Isosorbide for Pressure Sensitive Adhesives. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3379-3387	8.3	70
124	Nonviral Gene Delivery with Cationic Glycopolymers. <i>Accounts of Chemical Research</i> , 2019 , 52, 1347-1358	4.3	69
123	Isosorbide-based Polymethacrylates. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 662-667	8.3	69

122	Poly(trehalose): sugar-coated nanocomplexes promote stabilization and effective polyplex-mediated siRNA delivery. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15417-24	16.4	66
121	Interaction of poly(ethylenimine)-DNA polyplexes with mitochondria: implications for a mechanism of cytotoxicity. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1709-19	5.6	66
120	Polymeric nucleic acid vehicles exploit active interorganelle trafficking mechanisms. <i>ACS Nano</i> , 2013 , 7, 347-64	16.7	65
119	Versatile supramolecular pDNA vehicles via "click polymerization" of beta-cyclodextrin with oligoethyleneamines. <i>Biomaterials</i> , 2009 , 30, 928-38	15.6	64
118	Poly(glycoamidoamine)s for gene delivery: stability of polyplexes and efficacy with cardiomyoblast cells. <i>Bioconjugate Chemistry</i> , 2006 , 17, 101-8	6.3	64
117	Next-generation polymers: Isosorbide as a renewable alternative. <i>Progress in Polymer Science</i> , 2020 , 101, 101196	29.6	60
116	Predictable Heating and Positive MRI Contrast from a Mesoporous Silica-Coated Iron Oxide Nanoparticle. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2172-83	5.6	59
115	Molecular Affinity Agents for Intrinsic Surface-Enhanced Raman Scattering (SERS) Sensors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31825-31844	9.5	59
114	Advances in Polymer Design for Enhancing Oral Drug Solubility and Delivery. <i>Bioconjugate Chemistry</i> , 2018 , 29, 939-952	6.3	58
113	Glucose-Functionalized, Serum-Stable Polymeric Micelles from the Combination of Anionic and RAFT Polymerizations. <i>Macromolecules</i> , 2012 , 45, 4322-4332	5.5	57
112	Investigating the effects of block versus statistical glycopolyplexes containing primary and tertiary amines for plasmid DNA delivery. <i>Biomacromolecules</i> , 2014 , 15, 2616-28	6.9	56
111	Sustainable near UV-curable acrylates based on natural phenolics for stereolithography 3D printing. <i>Polymer Chemistry</i> , 2019 , 10, 1067-1077	4.9	55
110	Sustainable Polyesters Derived from Glucose and Castor Oil: Building Block Structure Impacts Properties. <i>ACS Macro Letters</i> , 2015 , 4, 284-288	6.6	55
109	Exploring the mechanism of plasmid DNA nuclear internalization with polymer-based vehicles. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2256-67	5.6	54
108	Sustainable glucose-based block copolymers exhibit elastomeric and adhesive behavior. <i>Polymer Chemistry</i> , 2016 , 7, 5233-5240	4.9	47
107	High-Throughput Excipient Discovery Enables Oral Delivery of Poorly Soluble Pharmaceuticals. <i>ACS Central Science</i> , 2016 , 2, 748-755	16.8	47
106	Tuning Cationic Block Copolymer Micelle Size by pH and Ionic Strength. <i>Biomacromolecules</i> , 2016 , 17, 2849-59	6.9	46
105	Glucose-containing diblock polyplexes exhibit molecular weight, charge, and cell-type dependence for pDNA delivery. <i>Biomacromolecules</i> , 2014 , 15, 1716-26	6.9	44

104	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, 428-40	6.3	44
103	Carbohydrate polymers for nonviral nucleic acid delivery. <i>Topics in Current Chemistry</i> , 2010 , 296, 131-90		43
102	Cationic glycopolymers for the delivery of pDNA to human dermal fibroblasts and rat mesenchymal stem cells. <i>Biomaterials</i> , 2012 , 33, 1851-62	15.6	42
101	Degradation of poly(glycoamidoamine) DNA delivery vehicles: polyamide hydrolysis at physiological conditions promotes DNA release. <i>Biomacromolecules</i> , 2010 , 11, 316-25	6.9	42
100	Correlation of amine number and pDNA binding mechanism for trehalose-based polycations. <i>Langmuir</i> , 2008 , 24, 8090-101	4	42
99	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	16.4	40
98	Precise Compositional Control and Systematic Preparation of Multimonomeric Statistical Copolymers. <i>ACS Macro Letters</i> , 2013 , 2, 770-774	6.6	40
97	Structure/property relationships in copolymers comprising renewable isosorbide, glucarodilactone, and 2,5-bis(hydroxymethyl)furan subunits. <i>Polymer Chemistry</i> , 2017 , 8, 3746-3754	4.9	39
96	Enhanced Mechanical and Adhesion Properties in Sustainable Triblock Copolymers via Non-covalent Interactions. <i>Macromolecules</i> , 2018 , 51, 2456-2465	5.5	39
95	Poly(2 deoxy 2 methacrylamido glucopyranose) Poly(methacrylate amine)s: Optimization of Diblock Glycopolycations for Nucleic Acid Delivery. <i>ACS Macro Letters</i> , 2013 , 2,	6.6	39
94	Peptide-functionalized poly(ethylene glycol) star polymers: DNA delivery vehicles with multivalent molecular architecture. <i>Bioconjugate Chemistry</i> , 2008 , 19, 76-88	6.3	39
93	Cross-linker Chemistry Determines the Uptake Potential of Perfluorinated Alkyl Substances by β Cyclodextrin Polymers. <i>Macromolecules</i> , 2019 , 52, 3747-3752	5.5	38
92	Open-to-Air RAFT Polymerization in Complex Solvents: From Whisky to Fermentation Broth. <i>ACS Macro Letters</i> , 2018 , 7, 406-411	6.6	37
91	N-Acetylgalactosamine Block-co-Polycations Form Stable Polyplexes with Plasmids and Promote Liver-Targeted Delivery. <i>Biomacromolecules</i> , 2016 , 17, 830-40	6.9	37
90	Deconstructing HPMCAS: Excipient Design to Tailor Polymer-Drug Interactions for Oral Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 978-990	5.5	35
89	Architectural Control of Isosorbide-Based Polyethers via Ring-Opening Polymerization. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5107-5111	16.4	34
88	Epoxy Resin Thermosets Derived from Trehalose and β Cyclodextrin. <i>Macromolecules</i> , 2016 , 49, 8397-8406	6.5	34
87	Trehalose-Based Block Copolycations Promote Polyplex Stabilization for Lyophilization and in Vivo pDNA Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 43-55	5.5	34

86	Tuning PNIPAm self-assembly and thermoresponse: roles of hydrophobic end-groups and hydrophilic comonomer. <i>Polymer Chemistry</i> , 2019 , 10, 3469-3479	4.9	33
85	Poly(glycoamidoamine)s: Cationic glycopolymers for DNA delivery. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 6895-6908	2.5	33
84	In vivo delivery of nucleic acids via glycopolymer vehicles affords therapeutic infarct size reduction in vivo. <i>Molecular Therapy</i> , 2012 , 20, 601-8	11.7	32
83	Amide spacing influences pDNA binding of poly(amidoamine)s. <i>Biomacromolecules</i> , 2010 , 11, 326-32	6.9	32
82	pH- and Ionic-Strength-Induced Contraction of Polybasic Micelles in Buffered Aqueous Solutions. <i>Macromolecules</i> , 2015 , 48, 2677-2685	5.5	31
81	Degradable Thermosets from Sugar-Derived Dilactones. <i>Macromolecules</i> , 2014 , 47, 498-505	5.5	30
80	Design of Tunable Multicomponent Polymers as Modular Vehicles To Solubilize Highly Lipophilic Drugs. <i>Macromolecules</i> , 2014 , 47, 6554-6565	5.5	30
79	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, 1757-68	5.6	30
78	Polymeric Delivery of Therapeutic Nucleic Acids. <i>Chemical Reviews</i> , 2021 , 121, 11527-11652	68.1	30
77	Solution-state polymer assemblies influence BCS class II drug dissolution and supersaturation maintenance. <i>Biomacromolecules</i> , 2014 , 15, 500-11	6.9	29
76	Block Polymer Micelles Enable CRISPR/Cas9 Ribonucleoprotein Delivery: Physicochemical Properties Affect Packaging Mechanisms and Gene Editing Efficiency. <i>Macromolecules</i> , 2019 , 52, 8197-8206	5.5	28
75	Interpolyelectrolyte Complexes of Polycationic Micelles and Linear Polyanions: Structural Stability and Temporal Evolution. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15919-28	3.4	28
74	Advancing polymeric delivery systems amidst a nucleic acid therapy renaissance. <i>ACS Macro Letters</i> , 2013 , 2, 928-934	6.6	28
73	Poly(glycoamidoamine)s: a broad class of carbohydrate-containing polycations for nucleic acid delivery. <i>Trends in Biotechnology</i> , 2011 , 29, 443-53	15.1	28
72	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	6.6	27
71	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	16.4	26
70	SERS Detection of Ricin B-Chain via N-Acetyl-Galactosamine Glycopolymers. <i>ACS Sensors</i> , 2016 , 1, 842-846	4.2	26
69	Polymer Day: Outreach Experiments for High School Students. <i>Journal of Chemical Education</i> , 2017 , 94, 1629-1638	2.4	25

68	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, 3903-15	6.9	25
67	2-Hydroxyethylcellulose and Amphiphilic Block Polymer Conjugates Form Mechanically Tunable and Nonswellable Hydrogels. <i>ACS Macro Letters</i> , 2017 , 6, 145-149	6.6	23
66	Dissolution and Solubility Enhancement of the Highly Lipophilic Drug Phenytoin via Interaction with Poly(N-isopropylacrylamide-co-vinylpyrrolidone) Excipients. <i>Molecular Pharmaceutics</i> , 2015 , 12, 2537-43	5.6	23
65	Direct Observation of Nanostructures during Aqueous Dissolution of Polymer/Drug Particles. <i>Macromolecules</i> , 2017 , 50, 3143-3152	5.5	22
64	Complexation of DNA with Cationic Copolymer Micelles: Effects of DNA Length and Topology. <i>Macromolecules</i> , 2018 , 51, 1150-1160	5.5	22
63	Efficient Polymer-Mediated Delivery of Gene-Editing Ribonucleoprotein Payloads through Combinatorial Design, Parallelized Experimentation, and Machine Learning. <i>ACS Nano</i> , 2020 ,	16.7	22
62	Activation of Cellulose via Cooperative Hydroxyl-Catalyzed Transglycosylation of Glycosidic Bonds. <i>ACS Catalysis</i> , 2019 , 9, 1943-1955	13.1	22
61	Facially amphiphilic polyionene biocidal polymers derived from lithocholic acid. <i>Bioactive Materials</i> , 2018 , 3, 186-193	16.7	20
60	Effects of trehalose polycation end-group functionalization on plasmid DNA uptake and transfection. <i>Biomacromolecules</i> , 2012 , 13, 2229-39	6.9	18
59	Architecture-Dependent Stabilization of Polyelectrolyte Complexes between Polyanions and Cationic Triblock Terpolymer Micelles. <i>Macromolecules</i> , 2016 , 49, 6644-6654	5.5	17
58	Glucose-Based Poly(ester amines): Synthesis, Degradation, and Biological Delivery. <i>ACS Macro Letters</i> , 2012 , 1, 1388-1392	6.6	17
57	Structure-activity examination of poly(glycoamidoguanidine)s: glycopolycations containing guanidine units for nucleic acid delivery. <i>Biomacromolecules</i> , 2011 , 12, 2055-63	6.9	17
56	Bottlebrush Polymer Excipients Enhance Drug Solubility: Influence of End-Group Hydrophilicity and Thermoresponsiveness. <i>ACS Macro Letters</i> , 2021 , 10, 375-381	6.6	17
55	Degradable and renewably-sourced poly(ester-thioethers) by photo-initiated thiol-ene polymerization. <i>Polymer Chemistry</i> , 2018 , 9, 3272-3278	4.9	17
54	Spatiotemporal cellular imaging of polymer-pDNA nanocomplexes affords in situ morphology and trafficking trends. <i>Molecular Pharmaceutics</i> , 2013 , 10, 4120-35	5.6	15
53	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	6.3	15
52	Sustainable advances in SLA/DLP 3D printing materials and processes. <i>Green Chemistry</i> , 2021 , 23, 6863-6897	6.9	15
51	Diffusion of Drug Delivery Nanoparticles into Biogels Using Time-Resolved MicroMRI. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3825-30	6.4	14

50	Quantitation of Complexed versus Free Polymers in Interpolyelectrolyte Polyplex Formulations.. <i>ACS Macro Letters</i> , 2013 , 2, 1038-1041	6.6	14
49	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	13.1	14
48	Heparin Enhances Transfection in Concert with a Trehalose-Based Polycation with Challenging Cell Types. <i>Biomacromolecules</i> , 2017 , 18, 56-67	6.9	13
47	New Insights into Quinine-DNA Binding Using Raman Spectroscopy and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9840-9851	3.4	13
46	Isothermal Titration Calorimetry for the Screening of Aflatoxin B1 Surface-Enhanced Raman Scattering Sensor Affinity Agents. <i>Analytical Chemistry</i> , 2018 , 90, 13409-13418	7.8	13
45	Polymeric nanocylinders by combining block copolymer self-assembly and nanoskiving. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16283-8	9.5	12
44	Lanthanide-containing polycations for monitoring polyplex dynamics via lanthanide resonance energy transfer. <i>Biomacromolecules</i> , 2014 , 15, 1612-24	6.9	12
43	Gene Delivery with Novel Poly(l-tartaramidoamine)s. <i>ACS Symposium Series</i> , 2006 , 217-227	0.4	12
42	Internal Structure of Methylcellulose Fibrils. <i>Macromolecules</i> , 2020 , 53, 398-405	5.5	12
41	Block Copolymer Pressure-Sensitive Adhesives Derived from Fatty Acids and Triacetic Acid Lactone. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2719-2728	4.3	11
40	Lipophilic Polycation Vehicles Display High Plasmid DNA Delivery to Multiple Cell Types. <i>Bioconjugate Chemistry</i> , 2017 , 28, 2035-2040	6.3	11
39	Structures and Protonation States of Hydrophilic-Cationic Diblock Copolymers and Their Binding with Plasmid DNA. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 2449-2461	3.4	10
38	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	3.4	10
37	Mechanism of Initiation Stereocontrol in Polymerization of rac-Lactide by Aluminum Complexes Supported by IndolideImine Ligands. <i>Macromolecules</i> , 2020 , 53, 1809-1818	5.5	10
36	Cationic Bottlebrush Polymers Outperform Linear Polycation Analogues for pDNA Delivery and Gene Expression.. <i>ACS Macro Letters</i> , 2021 , 10, 886-893	6.6	10
35	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	8.3	10
34	Equilibration of Micelle-Polyelectrolyte Complexes: Mechanistic Differences between Static and Annealed Charge Distributions. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 4631-4641	3.4	9
33	Polyplexes Are Endocytosed by and Trafficked within Filopodia. <i>Biomacromolecules</i> , 2020 , 21, 1379-1392	6.9	9

32	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	4.6	9
31	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	4.1	8
30	Diblock Terpolymers Are Tunable and pH Responsive Vehicles To Increase Hydrophobic Drug Solubility for Oral Administration. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4121-4127	5.6	8
29	A polycation scaffold presenting tunable "click" sites: conjugation to carbohydrate ligands and examination of hepatocyte-targeted pDNA delivery. <i>Macromolecular Bioscience</i> , 2010 , 10, 585-98	5.5	8
28	Complexation between DNA and Hydrophilic-Cationic Diblock Copolymers. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 2230-2243	3.4	7
27	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	16.4	7
26	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	11.5	7
25	Fast, Efficient, and Gentle Transfection of Human Adherent Cells in Suspension. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8870-4	9.5	7
24	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	6.3	7
23	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	2.3	7
22	Glycopolycation-DNA Polyplex Formulation N/P Ratio Affects Stability, Hemocompatibility, and in Vivo Biodistribution. <i>Biomacromolecules</i> , 2019 , 20, 1530-1544	6.9	6
21	Multifunctional Cascade Catalysis of Itaconic Acid Hydrodeoxygenation to 3-Methyl-tetrahydrofuran. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9394-9402	8.3	6
20	Degradable Thermoset Fibers from Carbohydrate-Derived Diols via Thiol-Ene Photopolymerization. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2933-2942	4.3	6
19	Properties of Chemically Cross-Linked Methylcellulose Gels. <i>Macromolecules</i> , 2019 , 52, 7740-7748	5.5	6
18	Hydrogenolysis of Linear Low-Density Polyethylene during Heterogeneous Catalytic Hydrogen-Deuterium Exchange. <i>Macromolecules</i> , 2020 , 53, 6043-6055	5.5	6
17	Rapid Synthesis of Chemically Recyclable Polycarbonates from Renewable Feedstocks.. <i>ACS Macro Letters</i> , 2021 , 10, 98-103	6.6	6
16	A theranostic polycation containing trehalose and lanthanide chelate domains for siRNA delivery and monitoring. <i>RSC Advances</i> , 2015 , 5, 74102-74106	3.7	5
15	Trehalose-functionalized block copolymers form serum-stable micelles. <i>Polymer Chemistry</i> , 2014 , 5, 5160-5167	4.5	5

14	Regioregular Polymers from Biobased (R)-1,3-Butylene Carbonate. <i>Macromolecules</i> , 2021 , 54, 5974-5984	5.5	4
13	Immunological Properties of Protein-Polymer Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 93-103	4.1	4
12	Degradable polyanhydride networks derived from itaconic acid. <i>Polymer Chemistry</i> , 2021 , 12, 608-617	4.9	4
11	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	5.6	3
10	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
9	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	3.3	2
8	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	2.4	2
7	Facile synthesis of GalNAc monomers and block polycations for hepatocyte gene delivery. <i>Polymer Chemistry</i> , 2021 , 12, 4063-4071	4.9	2
6	Ring opening polymerization of ϵ -acetoxy- ϵ -methylvalerolactone, a triacetic acid lactone derivative. <i>Polymer Chemistry</i> , 2021 , 12, 6724-6730	4.9	1
5	Effects of Hydrophobic Tail Length Variation on Surfactant-Mediated Protein Stabilization. <i>Molecular Pharmaceutics</i> , 2020 , 17, 4302-4311	5.6	1
4	Structural Basis for the Different Mechanical Behaviors of Two Chemically Analogous, Carbohydrate-Derived Thermosets.. <i>ACS Macro Letters</i> , 2021 , 10, 609-615	6.6	0
3	Synthesis of Isohexide Diyne Polymers and Hydrogenation to Their Saturated Polyethers.. <i>ACS Macro Letters</i> , 2021 , 10, 1068-1072	6.6	0
2	Cation Bulk and p Modulate Diblock Polymer Micelle Binding to pDNA.. <i>ACS Macro Letters</i> , 2022 , 11, 5886-5894	6.4	0
1	Non-viral delivery of therapeutic nucleic acids to investigate the role of transcriptional networks in the ischemic heart. <i>FASEB Journal</i> , 2008 , 22, 1130-1131	0.9	