

Alexander N Zelikin

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7115999/alexander-n-zelikin-publications-by-year.pdf>

Version: 2024-04-18

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.

144
papers

7,457
citations

43
h-index

83
g-index

153
ext. papers

8,056
ext. citations

9.9
avg, IF

6.22
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 144 | Macromolecular Viral Entry Inhibitors as Broad-Spectrum First-Line Antivirals with Activity against SARS-CoV-2.. <i>Advanced Science</i> , 2022 , e2201378 | 13.6 | 0 |
| 143 | Synthetic chemical ligands and cognate antibodies for biorthogonal drug targeting and cell engineering. <i>Advanced Drug Delivery Reviews</i> , 2021 , 170, 281-293 | 18.5 | 3 |
| 142 | Chemical (neo)glycosylation of biological drugs. <i>Advanced Drug Delivery Reviews</i> , 2021 , 171, 62-76 | 18.5 | 2 |
| 141 | Synthetic Artificial Apoptosis-Inducing Receptor for On-Demand Deactivation of Engineered Cells. <i>Advanced Science</i> , 2021 , 8, 2004432 | 13.6 | 0 |
| 140 | Carrageenan-containing over-the-counter nasal and oral sprays inhibit SARS-CoV-2 infection of airway epithelial cultures. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L750-L756 | 5.8 | 19 |
| 139 | Ceria Nanozyme and Phosphate Prodrugs: Drug Synthesis through Enzyme Mimicry. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25685-25693 | 9.5 | 10 |
| 138 | Per-glycosylation of the Surface-Accessible Lysines: One-Pot Aqueous Route to Stabilized Proteins with Native Activity. <i>ChemBioChem</i> , 2021 , 22, 2478-2485 | 3.8 | |
| 137 | Nitric Oxide to Fight Viral Infections. <i>Advanced Science</i> , 2021 , 8, 2003895 | 13.6 | 15 |
| 136 | Broad-Spectrum Antiviral Agents Based on Multivalent Inhibitors of Viral Infectivity. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001433 | 10.1 | 10 |
| 135 | Enzyme Mimics for the Catalytic Generation of Nitric Oxide from Endogenous Prodrugs. <i>Small</i> , 2020 , 16, e1907635 | 11 | 17 |
| 134 | Zinc Oxide Particles Catalytically Generate Nitric Oxide from Endogenous and Exogenous Prodrugs. <i>Small</i> , 2020 , 16, e1906744 | 11 | 14 |
| 133 | S-nitrosothiol-terminated poly(vinyl alcohol): Nitric oxide release and skin blood flow response. <i>Nitric Oxide - Biology and Chemistry</i> , 2020 , 98, 41-49 | 5 | 8 |
| 132 | Remotely Triggered Liquefaction of Hydrogel Materials. <i>ACS Nano</i> , 2020 , 14, 9145-9155 | 16.7 | 14 |
| 131 | Molecular, Macromolecular, and Supramolecular Glucuronide Prodrugs: Lead Identified for Anticancer Prodrug Monotherapy. <i>Angewandte Chemie</i> , 2020 , 132, 7460-7466 | 3.6 | 2 |
| 130 | Molecular, Macromolecular, and Supramolecular Glucuronide Prodrugs: Lead Identified for Anticancer Prodrug Monotherapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7390-7396 | 16.4 | 9 |
| 129 | Inhaled and systemic heparin as a repurposed direct antiviral drug for prevention and treatment of COVID-19. <i>Clinical Medicine</i> , 2020 , 20, e218-e221 | 1.9 | 19 |
| 128 | Unique enzymatic repertoire reveals the tumour. <i>Nature Chemistry</i> , 2020 , 12, 11-12 | 17.6 | 5 |

| | | |
|-----|---|----------|
| 127 | Nanozymes and Glucuronides: Glucuronidase, Esterase, and/or Transferase Activity. <i>Small</i> , 2020 , 16, e2004280 | 5 |
| 126 | Chemical Artificial Internalizing Receptors for Primary T Cells. <i>Advanced Science</i> , 2020 , 7, 2001395 | 13.6 3 |
| 125 | Innate glycosidic activity in metallic implants for localized synthesis of antibacterial drugs. <i>Chemical Communications</i> , 2019 , 55, 443-446 | 5.8 6 |
| 124 | Antifouling properties of layer by layer DNA coatings. <i>Biofouling</i> , 2019 , 35, 75-88 | 3.3 6 |
| 123 | Nucleic Acids as a Nature-Inspired Scaffold for Macromolecular Prodrugs of Nucleoside Analogues. <i>Advanced Science</i> , 2019 , 6, 1802095 | 13.6 3 |
| 122 | Potent Lymphatic Translocation and Spatial Control Over Innate Immune Activation by Polymer-Lipid Amphiphile Conjugates of Small-Molecule TLR7/8 Agonists. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15390-15395 | 16.4 23 |
| 121 | Amphiphile Polymer-Lipidkonjugate zur potenten lymphatischen Anreicherung von TLR7/8-Agonisten ermöglichen eine lokal begrenzte Aktivierung des angeborenen Immunsystems. <i>Angewandte Chemie</i> , 2019 , 131, 15535-15541 | 3.6 5 |
| 120 | Extended scaffold glucuronides: en route to the universal synthesis of O-aryl glucuronide prodrugs. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 6970-6974 | 3.9 8 |
| 119 | Non-covalent hitchhiking on endogenous carriers as a protraction mechanism for antiviral macromolecular prodrugs. <i>Journal of Controlled Release</i> , 2019 , 294, 298-310 | 11.7 9 |
| 118 | Identification and Directed Development of Non-Organic Catalysts with Apparent Pan-Enzymatic Mimicry into Nanozymes for Efficient Prodrug Conversion. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 278-282 | 16.4 39 |
| 117 | Identification and Directed Development of Non-Organic Catalysts with Apparent Pan-Enzymatic Mimicry into Nanozymes for Efficient Prodrug Conversion. <i>Angewandte Chemie</i> , 2019 , 131, 284-288 | 3.6 2 |
| 116 | Progress and Promise of Nitric Oxide-Releasing Platforms. <i>Advanced Science</i> , 2018 , 5, 1701043 | 13.6 106 |
| 115 | Macromolecular prodrugs of ribavirin: Polymer backbone defines blood safety, drug release, and efficacy of anti-inflammatory effects. <i>Journal of Controlled Release</i> , 2018 , 275, 53-66 | 11.7 9 |
| 114 | The molecular tweezer CLR01 inhibits Ebola and Zika virus infection. <i>Antiviral Research</i> , 2018 , 152, 26-35 | 10.8 24 |
| 113 | Long-Acting, Potent Delivery of Combination Antiretroviral Therapy. <i>ACS Macro Letters</i> , 2018 , 7, 587-591 | 16.6 11 |
| 112 | Enzyme Prodrug Therapy Achieves Site-Specific, Personalized Physiological Responses to the Locally Produced Nitric Oxide. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10741-10751 | 9.5 23 |
| 111 | Combatting implant-associated biofilms through localized drug synthesis. <i>Journal of Controlled Release</i> , 2018 , 287, 94-102 | 11.7 10 |
| 110 | Bi-Enzymatic Embolization Beads for Two-Armed Enzyme-Prodrug Therapy. <i>Advanced Therapeutics</i> , 2018 , 1, 1800023 | 4.9 10 |

| | | | |
|-----|--|------|-----|
| 109 | Localized and Controlled Delivery of Nitric Oxide to the Conventional Outflow Pathway via Enzyme Biocatalysis: Toward Therapy for Glaucoma. <i>Advanced Materials</i> , 2017 , 29, 1604932 | 24 | 69 |
| 108 | Substrate mediated enzyme prodrug therapy. <i>Advanced Drug Delivery Reviews</i> , 2017 , 118, 24-34 | 18.5 | 23 |
| 107 | Preparation, Single-Molecule Manipulation, and Energy Transfer Investigation of a Polyfluorene-graft-DNA polymer. <i>Chemistry - A European Journal</i> , 2017 , 23, 10511-10515 | 4.8 | 19 |
| 106 | Macromolecular Antiviral Agents against Zika, Ebola, SARS, and Other Pathogenic Viruses. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700748 | 10.1 | 23 |
| 105 | Enzyme Prodrug Therapy Engineered into Electrospun Fibers with Embedded Liposomes for Controlled, Localized Synthesis of Therapeutics. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700385 | 10.1 | 29 |
| 104 | Synthetic Polymer with a Structure-Driven Hepatic Deposition and Curative Pharmacological Activity in Hepatic Cells. <i>ACS Macro Letters</i> , 2017 , 6, 935-940 | 6.6 | 4 |
| 103 | Recent advances in macromolecular prodrugs. <i>Current Opinion in Colloid and Interface Science</i> , 2017 , 31, 1-9 | 7.6 | 23 |
| 102 | Prodrugs in medicinal chemistry and enzyme prodrug therapies. <i>Advanced Drug Delivery Reviews</i> , 2017 , 118, 65-77 | 18.5 | 124 |
| 101 | Macromolecular Prodrugs of Ribavirin: Structure-Function Correlation as Inhibitors of Influenza Infectivity. <i>Molecular Pharmaceutics</i> , 2017 , 14, 234-241 | 5.6 | 11 |
| 100 | AlbuminPolymerDrug Conjugates: Long Circulating, High Payload Drug Delivery Vehicles. <i>ACS Macro Letters</i> , 2016 , 5, 1089-1094 | 6.6 | 25 |
| 99 | Materials and methods for delivery of biological drugs. <i>Nature Chemistry</i> , 2016 , 8, 997-1007 | 17.6 | 191 |
| 98 | Triple Activity of Lamivudine Releasing Sulfonated Polymers against HIV-1. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2397-410 | 5.6 | 17 |
| 97 | Tools of gene transfer applied to the intracellular delivery of non-nucleic acid polyanionic drugs. <i>Chemical Communications</i> , 2016 , 52, 889-91 | 5.8 | 5 |
| 96 | HIV anti-latency treatment mediated by macromolecular prodrugs of histone deacetylase inhibitor, panobinostat. <i>Chemical Science</i> , 2016 , 7, 2353-2358 | 9.4 | 15 |
| 95 | Polyanionic Macromolecular Prodrugs of Ribavirin: Antiviral Agents with a Broad Spectrum of Activity. <i>Advanced Healthcare Materials</i> , 2016 , 5, 534-40 | 10.1 | 10 |
| 94 | Poly(vinyl alcohol) Physical Hydrogels: Matrix-Mediated Drug Delivery Using Spontaneously Eroding Substrate. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5916-26 | 3.4 | 32 |
| 93 | Routing of individual polymers in designed patterns. <i>Nature Nanotechnology</i> , 2015 , 10, 892-8 | 28.7 | 142 |
| 92 | Highly active macromolecular prodrugs inhibit expression of the hepatitis C virus genome in the host cells. <i>Advanced Healthcare Materials</i> , 2015 , 4, 65-8 | 10.1 | 25 |

| | | | |
|----|---|------|----|
| 91 | Phospholipid-polymer amphiphile hybrid assemblies and their interaction with macrophages. <i>Biomicrofluidics</i> , 2015 , 9, 052610 | 3.2 | 13 |
| 90 | Self-Immolative Linkers Literally Bridge Disulfide Chemistry and the Realm of Thiol-Free Drugs. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1887-90 | 10.1 | 56 |
| 89 | Macromolecular prodrugs of ribavirin: towards a treatment for co-infection with HIV and HCV. <i>Chemical Science</i> , 2015 , 6, 264-269 | 9.4 | 23 |
| 88 | Polymers fight HIV: potent (pro)drugs identified through parallel automated synthesis. <i>Advanced Healthcare Materials</i> , 2015 , 4, 46-50 | 10.1 | 17 |
| 87 | Micro-structured, spontaneously eroding hydrogels accelerate endothelialization through presentation of conjugated growth factors. <i>Biomaterials</i> , 2015 , 49, 113-24 | 15.6 | 14 |
| 86 | Biocatalytic polymer thin films: optimization of the multilayered architecture towards in situ synthesis of anti-proliferative drugs. <i>Nanoscale</i> , 2014 , 6, 4131-40 | 7.7 | 14 |
| 85 | Cholesterol modification of (Bio)polymers using UV-Vis traceable chemistry in aqueous solutions. <i>Macromolecular Bioscience</i> , 2014 , 14, 33-44 | 5.5 | 8 |
| 84 | Macromolecular (pro)drugs in antiviral research. <i>Polymer Chemistry</i> , 2014 , 5, 6407-6425 | 4.9 | 26 |
| 83 | Disulfide reshuffling triggers the release of a thiol-free anti-HIV agent to make up fast-acting, potent macromolecular prodrugs. <i>Chemical Communications</i> , 2014 , 50, 14498-500 | 5.8 | 27 |
| 82 | Macromolecular (pro)drugs with concurrent direct activity against the hepatitis C virus and inflammation. <i>Journal of Controlled Release</i> , 2014 , 196, 197-207 | 11.7 | 15 |
| 81 | Enzyme Prodrug Therapy Engineered into Biomaterials. <i>Advanced Functional Materials</i> , 2014 , 24, 5202-5210 | 11.6 | 21 |
| 80 | Drug Delivery: Macromolecular Prodrugs of Ribavirin: Concerted Efforts of the Carrier and the Drug (Adv. Healthcare Mater. 9/2014). <i>Advanced Healthcare Materials</i> , 2014 , 3, 1520-1520 | 10.1 | 1 |
| 79 | Biocatalytic polymer coatings: on-demand drug synthesis and localized therapeutic effect under dynamic cell culture conditions. <i>Small</i> , 2014 , 10, 1314-24 | 11 | 17 |
| 78 | Macromolecular prodrugs of ribavirin: concerted efforts of the carrier and the drug. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1404-7 | 10.1 | 21 |
| 77 | Macromolecular prodrugs for controlled delivery of ribavirin. <i>Macromolecular Bioscience</i> , 2014 , 14, 173-855 | 9.5 | 18 |
| 76 | Lipogels: surface-adherent composite hydrogels assembled from poly(vinyl alcohol) and liposomes. <i>Nanoscale</i> , 2013 , 5, 6758-66 | 7.7 | 29 |
| 75 | Macromolecular prodrugs of ribavirin combat side effects and toxicity with no loss of activity of the drug. <i>Chemical Communications</i> , 2013 , 49, 2643-5 | 5.8 | 29 |
| 74 | Liposomes as drug deposits in multilayered polymer films. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2967-75 | 9.5 | 42 |

| | | | |
|----|---|------|----|
| 73 | Narrow therapeutic window of ribavirin as an inhibitor of nitric oxide synthesis is broadened by macromolecular prodrugs. <i>Biomacromolecules</i> , 2013 , 14, 3916-26 | 6.9 | 20 |
| 72 | Surface grafted glycopolymer brushes to enhance selective adhesion of HepG2 cells. <i>Journal of Colloid and Interface Science</i> , 2013 , 404, 207-14 | 9.3 | 27 |
| 71 | Liposomal Templating, Association with Mammalian Cells, and Cytotoxicity of Poly(vinyl alcohol) Physical Hydrogel Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 514-522 | 3.1 | 6 |
| 70 | Poly(vinyl alcohol) physical hydrogel nanoparticles, not polymer solutions, exert inhibition of nitric oxide synthesis in cultured macrophages. <i>Biomacromolecules</i> , 2013 , 14, 1687-95 | 6.9 | 14 |
| 69 | Bioresorbable surface-adhered enzymatic microreactors based on physical hydrogels of poly(vinyl alcohol). <i>Langmuir</i> , 2013 , 29, 344-54 | 4 | 27 |
| 68 | Hydrogels: Liposomal Templating, Association with Mammalian Cells, and Cytotoxicity of Poly(vinyl alcohol) Physical Hydrogel Nanoparticles (Part. Part. Syst. Charact. 6/2013). <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 566-566 | 3.1 | |
| 67 | Microstructured, functional PVA hydrogels through bioconjugation with oligopeptides under physiological conditions. <i>Small</i> , 2013 , 9, 942-50 | 11 | 43 |
| 66 | Macromolecule functionalization of disulfide-bonded polymer hydrogel capsules and cancer cell targeting. <i>ACS Nano</i> , 2012 , 6, 1463-72 | 16.7 | 70 |
| 65 | Biodistribution of polymer hydrogel capsules for the delivery of therapeutics. <i>Acta Biomaterialia</i> , 2012 , 8, 3251-60 | 10.8 | 10 |
| 64 | Surface adhered poly(vinyl alcohol) physical hydrogels as tools for rational design of intelligent biointerfaces. <i>Soft Matter</i> , 2012 , 8, 4625 | 3.6 | 25 |
| 63 | Engineering surface adhered poly(vinyl alcohol) physical hydrogels as enzymatic microreactors. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4981-90 | 9.5 | 21 |
| 62 | Surface-adhered composite poly(vinyl alcohol) physical hydrogels: polymersome-aided delivery of therapeutic small molecules. <i>Advanced Healthcare Materials</i> , 2012 , 1, 791-5 | 10.1 | 34 |
| 61 | Macromolecular design of poly(vinyl alcohol) by RAFT polymerization. <i>Polymer Chemistry</i> , 2012 , 3, 85-88 | 4.9 | 33 |
| 60 | Drug Delivery: Surface-Adhered Composite Poly(Vinyl Alcohol) Physical Hydrogels: Polymersome-Aided Delivery of Therapeutic Small Molecules (Adv. Healthcare Mater. 6/2012). <i>Advanced Healthcare Materials</i> , 2012 , 1, 790-790 | 10.1 | 2 |
| 59 | Intelligent Polymer Thin Films and Coatings for Drug Delivery 2012 , 243-290 | | 2 |
| 58 | Substrate mediated enzyme prodrug therapy. <i>PLoS ONE</i> , 2012 , 7, e49619 | 3.7 | 20 |
| 57 | Redox-active polymer microcapsules for the delivery of a survivin-specific siRNA in prostate cancer cells. <i>ACS Nano</i> , 2011 , 5, 1335-44 | 16.7 | 90 |
| 56 | Poly(vinyl alcohol) physical hydrogels: noncryogenic stabilization allows nano- and microscale materials design. <i>Langmuir</i> , 2011 , 27, 10216-23 | 4 | 39 |

| | | | |
|----|--|------|-----|
| 55 | Degradation of liposomal subcompartments in PEGylated capsosomes. <i>Soft Matter</i> , 2011 , 7, 9638 | 3.6 | 25 |
| 54 | Tuning the permeability of polymer hydrogel capsules: an investigation of cross-linking density, membrane thickness, and cross-linkers. <i>Langmuir</i> , 2011 , 27, 1724-30 | 4 | 52 |
| 53 | Exploiting fluorescent polymers to probe the self-assembly of virus-like particles. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 2386-91 | 3.4 | 65 |
| 52 | Poly(vinyl alcohol) physical hydrogels: new vista on a long serving biomaterial. <i>Macromolecular Bioscience</i> , 2011 , 11, 1293-313 | 5.5 | 164 |
| 51 | A Critical Look at Multilayered Polymer Capsules in Biomedicine: Drug Carriers, Artificial Organelles, and Cell Mimics. <i>Advanced Functional Materials</i> , 2011 , 21, 14-28 | 15.6 | 112 |
| 50 | Drug releasing polymer thin films: new era of surface-mediated drug delivery. <i>ACS Nano</i> , 2010 , 4, 2494-509.7 | 20.7 | 244 |
| 49 | Cytotoxicity and internalization of polymer hydrogel capsules by mammalian cells. <i>Biomacromolecules</i> , 2010 , 11, 2123-9 | 6.9 | 38 |
| 48 | A biomolecular "ship-in-a-bottle": continuous RNA synthesis within hollow polymer hydrogel assemblies. <i>Advanced Materials</i> , 2010 , 22, 720-3 | 24 | 50 |
| 47 | Poly(L-lysine) nanostructured particles for gene delivery and hormone stimulation. <i>Biomaterials</i> , 2010 , 31, 1699-706 | 15.6 | 71 |
| 46 | Subcompartmentalized polymer hydrogel capsules with selectively degradable carriers and subunits. <i>Small</i> , 2010 , 6, 1558-64 | 11 | 46 |
| 45 | Poly(methacrylic acid) polymer hydrogel capsules: drug carriers, sub-compartmentalized microreactors, artificial organelles. <i>Small</i> , 2010 , 6, 2201-7 | 11 | 48 |
| 44 | Degradable, Surfactant-Free, Monodisperse Polymer-Encapsulated Emulsions as Anticancer Drug Carriers. <i>Advanced Materials</i> , 2009 , 21, 1820-1824 | 24 | 167 |
| 43 | Triggered enzymatic degradation of DNA within selectively permeable polymer capsule microreactors. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 329-32 | 16.4 | 94 |
| 42 | A microreactor with thousands of subcompartments: enzyme-loaded liposomes within polymer capsules. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4359-62 | 16.4 | 187 |
| 41 | A paradigm for peptide vaccine delivery using viral epitopes encapsulated in degradable polymer hydrogel capsules. <i>Biomaterials</i> , 2009 , 30, 5178-86 | 15.6 | 114 |
| 40 | Stabilization of polymer-hydrogel capsules via thiol-disulfide exchange. <i>Small</i> , 2009 , 5, 2601-10 | 11 | 87 |
| 39 | Cholesterol-mediated anchoring of enzyme-loaded liposomes within disulfide-stabilized polymer carrier capsules. <i>Biomaterials</i> , 2009 , 30, 5988-98 | 15.6 | 96 |
| 38 | Tuning the formation and degradation of layer-by-layer assembled polymer hydrogel microcapsules. <i>Langmuir</i> , 2009 , 25, 14079-85 | 4 | 112 |

| | | | |
|----|---|------|-----|
| 37 | Self-Polymerization of Dopamine as a Versatile and Robust Technique to Prepare Polymer Capsules. <i>Chemistry of Materials</i> , 2009 , 21, 3042-3044 | 9.6 | 404 |
| 36 | Stabilization and Functionalization of Polymer Multilayers and Capsules via Thiol-Ene Click Chemistry. <i>Chemistry of Materials</i> , 2009 , 21, 576-578 | 9.6 | 105 |
| 35 | A protective vaccine delivery system for in vivo T cell stimulation using nanoengineered polymer hydrogel capsules. <i>ACS Nano</i> , 2009 , 3, 3391-400 | 16.7 | 162 |
| 34 | Polymer hydrogel capsules: en route toward synthetic cellular systems. <i>Nanoscale</i> , 2009 , 1, 68-73 | 7.7 | 161 |
| 33 | Templated synthesis of single-component polymer capsules and their application in drug delivery. <i>Nano Letters</i> , 2008 , 8, 1741-5 | 11.5 | 232 |
| 32 | Disulfide-Stabilized Poly(methacrylic acid) Capsules: Formation, Cross-Linking, and Degradation Behavior. <i>Chemistry of Materials</i> , 2008 , 20, 2655-2661 | 9.6 | 185 |
| 31 | Microfluidic polymer multilayer adsorption on liquid crystal droplets for microcapsule synthesis. <i>Lab on A Chip</i> , 2008 , 8, 2182-7 | 7.2 | 101 |
| 30 | Characterization of the growth of polyelectrolyte multilayers formed at interfaces between aqueous phases and thermotropic liquid crystals. <i>Langmuir</i> , 2008 , 24, 5534-42 | 4 | 16 |
| 29 | Binding, Internalization, and Antigen Presentation of Vaccine-Loaded Nanoengineered Capsules in Blood. <i>Advanced Materials</i> , 2008 , 20, 4698-4703 | 24 | 146 |
| 28 | Poly(vinylpyrrolidone) for bioconjugation and surface ligand immobilization. <i>Biomacromolecules</i> , 2007 , 8, 2950-3 | 6.9 | 87 |
| 27 | Next generation, sequentially assembled ultrathin films: beyond electrostatics. <i>Chemical Society Reviews</i> , 2007 , 36, 707-18 | 58.5 | 405 |
| 26 | A general approach for DNA encapsulation in degradable polymer microcapsules. <i>ACS Nano</i> , 2007 , 1, 63-9 | 16.7 | 184 |
| 25 | Degradable polyelectrolyte capsules filled with oligonucleotide sequences. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7743-5 | 16.4 | 197 |
| 24 | Degradable Polyelectrolyte Capsules Filled with Oligonucleotide Sequences. <i>Angewandte Chemie</i> , 2006 , 118, 7907-7909 | 3.6 | 29 |
| 23 | Approaches to quantifying and visualizing polyelectrolyte multilayer film formation on particles. <i>Analytical Chemistry</i> , 2006 , 78, 5913-9 | 7.8 | 53 |
| 22 | A functionalizable biomaterial based on dihydroxyacetone, an intermediate of glucose metabolism. <i>Biomacromolecules</i> , 2006 , 7, 3239-44 | 6.9 | 40 |
| 21 | Disulfide cross-linked polymer capsules: en route to biodeconstructible systems. <i>Biomacromolecules</i> , 2006 , 7, 27-30 | 6.9 | 304 |
| 20 | Diblock copolymers based on dihydroxyacetone and ethylene glycol: synthesis, characterization, and nanoparticle formulation. <i>Biomacromolecules</i> , 2006 , 7, 3245-51 | 6.9 | 30 |

| | | | |
|----|--|------|-----|
| 19 | Poly(carbonate- β -cetal)s from the Dimer Form of Dihydroxyacetone. <i>Macromolecules</i> , 2005 , 38, 5532-5537 | 5.5 | 27 |
| 18 | Recognition and selective binding of DNA by ionenes of different charge density. <i>Biomacromolecules</i> , 2005 , 6, 3198-201 | 6.9 | 31 |
| 17 | Structure-function relationships of gene delivery vectors in a limited polycation library. <i>Journal of Controlled Release</i> , 2005 , 103, 273-83 | 11.7 | 62 |
| 16 | Conformation of Polyelectrolyte Chains in Dilute Aqueous Solutions Investigated by Conductometry. 4. Influence of Molecular Mass and Charge Density of the Chains on Conformation of Symmetrical Aliphatic Ionene Bromides. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 490-495 | 3.4 | 19 |
| 15 | Polyhistidine-PEG:DNA nanocomposites for gene delivery. <i>Biomaterials</i> , 2003 , 24, 4425-33 | 15.6 | 108 |
| 14 | Competitive reactions in solutions of poly-L-histidine, calf thymus DNA, and synthetic polyanions: determining the binding constants of polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13693-9 | 16.4 | 53 |
| 13 | Interpolyelectrolyte Reactions in Solutions of Polycarboxybetaines. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7982-7986 | 3.4 | 20 |
| 12 | Conformational Changes of Aliphatic Ionenes in Water-Salt Solutions as a Factor Controlling Stability of Their Complexes with Calf Thymus DNA. <i>Macromolecules</i> , 2003 , 36, 2066-2071 | 5.5 | 25 |
| 11 | Erodible Conducting Polymers for Potential Biomedical Applications. <i>Angewandte Chemie</i> , 2002 , 114, 149-152 | 3.6 | 9 |
| 10 | Erodible conducting polymers for potential biomedical applications. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 141-4 | 16.4 | 145 |
| 9 | Conformation of Polyelectrolyte Chains in Dilute Aqueous Solutions Investigated by Conductometry, 3. Influence of Charge Density on the Conformation of Partly Alkylated Poly(N-ethyl-4-vinylpyridinium) Cations and Ionenes. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 837-844 | 2.6 | 2 |
| 8 | Polyelectrolyte Complexes Formed by Calf Thymus DNA and Aliphatic Ionenes: Unexpected Change in Stability upon Variation of Chain Length of Ionenes of Different Charge Density. <i>Macromolecular Bioscience</i> , 2002 , 2, 78-81 | 5.5 | 18 |
| 7 | Aliphatic ionenes as gene delivery agents: elucidation of structure-function relationship through modification of charge density and polymer length. <i>Bioconjugate Chemistry</i> , 2002 , 13, 548-53 | 6.3 | 74 |
| 6 | Conformation of Polyelectrolyte Chains in Dilute Aqueous Solutions Investigated by Conductometry, 1. Influence of the Degree of Polymerization on the Conformation of Flexible Vinylic Polyanions and Rigid Native DNA. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 1361-1367 | 2.6 | 5 |
| 5 | Conformation of Polyelectrolyte Chains in Dilute Aqueous Solutions Investigated by Conductometry, 2. Influence of Temperature, Chain Length and N-Alkyl Substituents on the Conformation of Exhaustively Alkylated Poly(N-alkyl-4-vinylpyridinium) Cations. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 1368-1373 | 2.6 | 8 |
| 4 | Modified Aliphatic Ionenes. Influence of Charge Density and Length of the Chains on Complex Formation with Poly(methacrylic acid). <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 3018-3026 | 2.6 | 32 |
| 3 | Bioerodible Polypyrrole. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 711, 1 | | 1 |
| 2 | Facile Synthesis of 3-Alkylpyrroles. <i>Journal of Organic Chemistry</i> , 1999 , 64, 3379-3380 | 4.2 | 43 |

1 Green self-immolative polymer: molecular antenna to collect and propagate the signal for zymogen activation 1