# Ravin Narain

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 158 papers | 6,749 citations | 41258 49 h-index | 79541 73 g-index |
| 199 all docs | 199 docs citations | 199 times ranked | 7175 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Zwitterionic Block Copolymer Prodrug Micelles for pH Responsive Drug Delivery and Hypoxia-Specific Chemotherapy. Molecular Pharmaceutics, 2022, 19, 1766-1777. | 2.3 | 11 |
| 2 | Investigation of alkali and salt resistant copolymer of acrylic acid and Nâ€vinylâ€2â€pyrrolidinone for medium viscosity oil recovery. Canadian Journal of Chemical Engineering, 2022, 100, 1427-1438. | 0.9 | 3 |
| 3 | Construction of antibacterial adhesion surfaces based on bioinspired borneol-containing glycopolymers. Biomaterials Science, 2022, 10, 1787-1794. | 2.6 | 6 |
| 4 | Dopamine Assisted Self-Cleaning, Antifouling, and Antibacterial Coating via Dynamic Covalent Interactions. ACS Applied Materials & Interfaces, 2022, 14, 9557-9569. | 4.0 | 37 |
| 5 | Cellular mechanism of action of 2-nitroimidazoles as hypoxia-selective therapeutic agents. Redox Biology, 2022, 52, 102300. | 3.9 | 9 |
| 6 | Glycopolymerâ€“Cell-Penetrating Peptide (CPP) Conjugates for Efficient Epidermal Growth Factor Receptor (EGFR) Silencing. ACS Macro Letters, 2022, 11, 580-587. | 2.3 | 7 |
| 7 | Temperature-Responsive Aldehyde Hydrogels with Injectable, Self-Healing, and Tunable Mechanical Properties. Biomacromolecules, 2022, 23, 2552-2561. | 2.6 | 7 |
| 8 | Synergistic size and charge conversions of functionalized PAMAM dendrimers under the acidic tumor microenvironment. Biomaterials Science, 2022, 10, 4271-4283. | 2.6 | 4 |
| 9 | Dual-Cross-Linked Network Hydrogels with Multiresponsive, Self-Healing, and Shear Strengthening Properties. Biomacromolecules, 2021, 22, 800-810. | 2.6 | 29 |
| 10 | Flocculating and dewatering of kaolin suspensions with different forms of poly(acrylamideâ€coâ€diallyl) Tj ETQq0 0 0 rgBT /Overlock 10 | 0.9 | 7 |
| 11 | Glyco-Nanomedicines and Their Applications in Cancer Treatment. , 2021, , 566-585. | | 1 |
| 12 | Multi-responsive, injectable, and self-healing hydrogels based on benzoxaboroleâ€“tannic acid complexation. Polymer Chemistry, 2021, 12, 5623-5630. | 1.9 | 8 |
| 13 | Three-Dimensional Printed and Biocompatible Conductive Composites Comprised of Polyhydroxybutyrate and Multiwalled Carbon Nanotubes. Industrial & Engineering Chemistry Research, 2021, 60, 885-897. | 1.8 | 12 |
| 14 | Antifouling and Antibacterial Polymer-Coated Surfaces Based on the Combined Effect of Zwitterions and the Natural Borneol. ACS Applied Materials & Interfaces, 2021, 13, 9006-9014. | 4.0 | 65 |
| 15 | Dual Cross-Linked Hydrogels with Injectable, Self-Healing, and Antibacterial Properties Based on the Chemical and Physical Cross-Linking. Biomacromolecules, 2021, 22, 1685-1694. | 2.6 | 35 |
| 16 | Injectable Self-Healing Hydrogel via Biological Environment-Adaptive Supramolecular Assembly for Gastric Perforation Healing. ACS Nano, 2021, 15, 9913-9923. | 7.3 | 57 |
| 17 | A novel approach for drag reduction using polymer coating. Ocean Engineering, 2021, 240, 109895. | 1.9 | 6 |
| 18 | Carbohydrate Biosensors and Applications. , 2021, , 149-167. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Bioinspired dopamine and zwitterionic polymers for non-fouling surface engineering. Chemical Society Reviews, 2021, 50, 11668-11683. | 18.7 | 120 |
| 20 | Water soluble polymeric nanofibres for rapid flocculation and enhanced dewatering of mature fine tailings. Canadian Journal of Chemical Engineering, 2020, 98, 96-103. | 0.9 | 6 |
| 21 | Trehalose-Based Polyethers for Cryopreservation and Three-Dimensional Cell Scaffolds. Biomacromolecules, 2020, 21, 1264-1273. | 2.6 | 25 |
| 22 | PEG-PLGA nanospheres loaded with nanoscintillators and photosensitizers for radiation-activated photodynamic therapy. Acta Biomaterialia, 2020, 117, 335-348. | 4.1 | 24 |
| 23 | Oncogenic Epidermal Growth Factor Receptor Silencing in Cervical Carcinoma Mediated by Dynamic Sugar-Benzoxaborole Polyplexes. ACS Macro Letters, 2020, 9, 1464-1470. | 2.3 | 7 |
| 24 | Dynamic Flexible Hydrogel Network with Biological Tissue-like Self-Protective Functions. Chemistry of Materials, 2020, 32, 10545-10555. | 3.2 | 30 |
| 25 | Facile Preparation of Macromolecular Prodrugs for Hypoxia-Specific Chemotherapy. ACS Macro Letters, 2020, 9, 1687-1692. | 2.3 | 9 |
| 26 | Hydrogels. , 2020, , 203-244. | | 25 |
| 27 | Preparation and Characterization of Thermoresponsive PEG-Based Injectable Hydrogels and Their Application for 3D Cell Culture. Biomacromolecules, 2020, 21, 1254-1263. | 2.6 | 18 |
| 28 | Multiresponsive and Self-Healing Hydrogel via Formation of Polymerâ€“Nanogel Interfacial Dynamic Benzoxaborole Esters at Physiological pH. ACS Applied Materials & Interfaces, 2019, 11, 44742-44750. | 4.0 | 35 |
| 29 | In Situ Forming, Dual-Crosslink Network, Self-Healing Hydrogel Enabled by a Bioorthogonal Nopoldiolâ€“Benzoxaborolate Click Reaction with a Wide pH Range. Chemistry of Materials, 2019, 31, 4092-4102. | 3.2 | 64 |
| 30 | Removal of Cryptosporidium surrogates in drinking water direct filtration. Colloids and Surfaces B: Biointerfaces, 2019, 181, 499-505. | 2.5 | 4 |
| 31 | Injectable, Self-Healing Hydrogel with Tunable Optical, Mechanical, and Antimicrobial Properties. Chemistry of Materials, 2019, 31, 2366-2376. | 3.2 | 86 |
| 32 | Hydroxyl-Rich PGMA-Based Cationic Glycopolymers for Intracellular siRNA Delivery: Biocompatibility and Effect of Sugar Decoration Degree. Biomacromolecules, 2019, 20, 2068-2074. | 2.6 | 24 |
| 33 | Rapid Mussel-Inspired Surface Zwitteration for Enhanced Antifouling and Antibacterial Properties. Langmuir, 2019, 35, 1621-1630. | 1.6 | 62 |
| 34 | Injectable, Self-Healing, and Multi-Responsive Hydrogels via Dynamic Covalent Bond Formation between Benzoxaborole and Hydroxyl Groups. Biomacromolecules, 2019, 20, 1028-1035. | 2.6 | 63 |
| 35 | Functionalized polystyrene microspheres as Cryptosporidium surrogates. Colloids and Surfaces B: Biointerfaces, 2019, 175, 680-687. | 2.5 | 8 |
| 36 | Tumor Microenvironment-Regulated Redox Responsive Cationic Galactose-Based Hyperbranched Polymers for siRNA Delivery. Bioconjugate Chemistry, 2019, 30, 405-412. | 1.8 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Physical structure variations of bacterial cellulose produced by different Komagataeibacter xylinus strains and carbon sources in static and agitated conditions. Cellulose, 2018, 25, 1571-1581. | 2.4 | 122 |
| 38 | Injectable Self-Healing Zwitterionic Hydrogels Based on Dynamic Benzoxaboroleâ€“Sugar Interactions with Tunable Mechanical Properties. Biomacromolecules, 2018, 19, 596-605. | 2.6 | 81 |
| 39 | Fabrication of antifouling and antibacterial polyethersulfone (PES)/cellulose nanocrystals (CNC) nanocomposite membranes. Journal of Membrane Science, 2018, 549, 350-356. | 4.1 | 135 |
| 40 | Bacterial Cellulose Nanocrystals (BCNC) Preparation and Characterization from Three Bacterial Cellulose Sources and Development of Functionalized BCNCs as Nucleic Acid Delivery Systems. ACS Applied Nano Materials, 2018, 1, 209-221. | 2.4 | 73 |
| 41 | Well-Defined Cationic N-[3-(Dimethylamino)propyl]methacrylamide Hydrochloride-Based (Co)polymers for siRNA Delivery. Biomacromolecules, 2018, 19, 209-221. | 2.6 | 30 |
| 42 | Recent development and biomedical applications of self-healing hydrogels. Expert Opinion on Drug Delivery, 2018, 15, 77-91. | 2.4 | 108 |
| 43 | Rational Design of Self-Healing Tough Hydrogels: A Mini Review. Frontiers in Chemistry, 2018, 6, 497. | 1.8 | 99 |
| 44 | Achieving Safe and Highly Efficient Epidermal Growth Factor Receptor Silencing in Cervical Carcinoma by Cationic Degradable Hyperbranched Polymers. ACS Applied Bio Materials, 2018, 1, 961-966. | 2.3 | 8 |
| 45 | Acid Degradable Cationic Galactose-Based Hyperbranched Polymers as Nanotherapeutic Vehicles for Epidermal Growth Factor Receptor (EGFR) Knockdown in Cervical Carcinoma. Biomacromolecules, 2018, 19, 4052-4058. | 2.6 | 21 |
| 46 | Controlling pre-osteoblastic cell adhesion and spreading on glycopolymer brushes of variable film thickness. Journal of Materials Science: Materials in Medicine, 2018, 29, 98. | 1.7 | 10 |
| 47 | Synthesis of Highly Biocompatible and Temperature-Responsive Physical Gels for Cryopreservation and 3D Cell Culture. ACS Applied Bio Materials, 2018, 1, 356-366. | 2.3 | 33 |
| 48 | Bioinspired Self-Healing Hydrogel Based on Benzoxaborole-Catechol Dynamic Covalent Chemistry for 3D Cell Encapsulation. ACS Macro Letters, 2018, 7, 904-908. | 2.3 | 149 |
| 49 | Rapid and Highly Sensitive Detection of Dopamine Using Conjugated Oxaborole-Based Polymer and Glycopolymer Systems. ACS Applied Materials & Interfaces, 2017, 9, 15225-15231. | 4.0 | 41 |
| 50 | Flocculation and Dewatering of Mature Fine Tailings Using Temperature-Responsive Cationic Polymers. Langmuir, 2017, 33, 5900-5909. | 1.6 | 41 |
| 51 | Filtration of Glycoprotein-Modified Carboxylated Polystyrene Microspheres as Cryptosporidium Oocysts Surrogates: Effects of Flow Rate, Alum, and Humic Acid. Journal of Environmental Engineering, ASCE, 2017, 143, 04017032. | 0.7 | 4 |
| 52 | A nanoparticle-preparation kit using ethylene glycol-based block copolymers with a common temperature-responsive block. Polymer Chemistry, 2017, 8, 7311-7315. | 1.9 | 2 |
| 53 | Effective and Specific Gene Silencing of Epidermal Growth Factor Receptors Mediated by Conjugated Oxaborole and Galactose-Based Polymers. ACS Macro Letters, 2017, 6, 768-774. | 2.3 | 31 |
| 54 | Study of the RAFT homopolymerization and copolymerization of N-[3-(dimethylamino)propyl]methacrylamide hydrochloride and evaluation of the cytotoxicity of the resulting homo- and copolymers. Polymer Chemistry, 2017, 8, 4140-4151. | 1.9 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | A pH-Indicating Colorimetric Tough Hydrogel Patch towards Applications in a Substrate for Smart Wound Dressings. Polymers, 2017, 9, 558. | 2.0 | 59 |
| 56 | Thermo-Responsive Poly(N-Isopropylacrylamide)-Cellulose Nanocrystals Hybrid Hydrogels for Wound Dressing. Polymers, 2017, 9, 119. | 2.0 | 121 |
| 57 | Drag Reduction Using Polysaccharides in a Taylorâ€“Couette Flow. Polymers, 2017, 9, 683. | 2.0 | 4 |
| 58 | Nature-Inspired Polymers. , 2016, , 59-74. | | 0 |
| 59 | Recent Advances in Dual Temperature Responsive Block Copolymers and Their Potential as Biomedical Applications. Polymers, 2016, 8, 380. | 2.0 | 102 |
| 60 | Cationic Galactose-Conjugated Copolymers for Epidermal Growth Factor (EGFR) Knockdown in Cervical Adenocarcinoma. ACS Biomaterials Science and Engineering, 2016, 2, 853-859. | 2.6 | 17 |
| 61 | Self-Healing and Injectable Shear Thinning Hydrogels Based on Dynamic Oxaborole-Diol Covalent Cross-Linking. ACS Biomaterials Science and Engineering, 2016, 2, 2315-2323. | 2.6 | 42 |
| 62 | Thermoâ€responsive polymers for drag reduction in turbulent Taylorâ€“Couette flow. Journal of Applied Polymer Science, 2016, 133, . | 1.3 | 13 |
| 63 | Molecular Weight Dependence of Synthetic Glycopolymers on Flocculation and Dewatering of Fine Particles. Langmuir, 2016, 32, 11615-11622. | 1.6 | 18 |
| 64 | Synthetic Approach to Glycopolymer Base Nanoparticle Gold(I) Conjugate: A New Generation of Therapeutic Agents. Methods in Molecular Biology, 2016, 1367, 157-168. | 0.4 | 1 |
| 65 | Synthetic Approach to Biotinylated Glyco-Functionalized Quantum Dots: A New Fluorescent Probes for Biomedical Applications. Methods in Molecular Biology, 2016, 1367, 109-121. | 0.4 | 0 |
| 66 | Temperature-responsive mixed core nanoparticle properties determined by the composition of statistical and block copolymers in the core. Polymer Chemistry, 2015, 6, 1693-1697. | 1.9 | 16 |
| 67 | Galactose-based Thermosensitive Nanogels for Targeted Drug Delivery of Iodoazomycin Arabinofuranoside (IAZA) for Theranostic Management of Hypoxic Hepatocellular Carcinoma. Biomacromolecules, 2015, 16, 1978-1986. | 2.6 | 57 |
| 68 | Temperature- and pH-Responsive Benzoboroxole-Based Polymers for Flocculation and Enhanced Dewatering of Fine Particle Suspensions. ACS Applied Materials & Interfaces, 2015, 7, 27176-27187. | 4.0 | 30 |
| 69 | Study of Bacterial Adhesion on Biomimetic Temperature Responsive Glycopolymer Surfaces. ACS Applied Materials & Interfaces, 2015, 7, 1652-1661. | 4.0 | 41 |
| 70 | Carbohydrate-based materials for targeted delivery of drugs and genes to the liver. Nanomedicine, 2015, 10, 2263-2288. | 1.7 | 41 |
| 71 | Asialoglycoprotein Receptor-Mediated Gene Delivery to Hepatocytes Using Galactosylated Polymers. Biomacromolecules, 2015, 16, 3008-3020. | 2.6 | 63 |
| 72 | Blood Components Interactions to Ionic and Nonionic Glyconanogels. Biomacromolecules, 2015, 16, 2990-2997. | 2.6 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | pH and glucose responsive nanofibers for the reversible capture and release of lectins. Biomaterials Science, 2015, 3, 152-162. | 2.6 | 27 |
| 74 | Spatiotemporal Control of Synergistic Gel Disintegration Consisting of Boroxole- and Glyco-Based Polymers via Photoinduced Proton Transfer. Journal of Physical Chemistry B, 2015, 119, 2323-2329. | 1.2 | 28 |
| 75 | Shape-Memory Materials. NIMS Monographs, 2014, , 285-373. | 0.1 | 1 |
| 76 | Smart Biomaterials. NIMS Monographs, 2014, , . | 0.1 | 57 |
| 77 | Smart Hydrogels. NIMS Monographs, 2014, , 9-65. | 0.1 | 50 |
| 78 | Calcium mediated formation of phosphorylcholine-based polyplexes for efficient knockdown of epidermal growth factor receptors (EGFR) in HeLa cells. Chemical Communications, 2014, 50, 2943-2946. | 2.2 | 9 |
| 79 | Dual-temperature and pH responsive (ethylene glycol)-based nanogels via structural design. Polymer Chemistry, 2014, 5, 3061-3070. | 1.9 | 28 |
| 80 | Synthesis and Evaluation of Glycopolymeric Decorated Gold Nanoparticles Functionalized with Gold-Triphenyl Phosphine as Anti-Cancer Agents. Biomacromolecules, 2014, 15, 3802-3810. | 2.6 | 48 |
| 81 | Study of Bacterial Adhesion on Different Glycopolymer Surfaces by Quartz Crystal Microbalance with Dissipation. Langmuir, 2014, 30, 7377-7387. | 1.6 | 49 |
| 82 | Temperature-Responsive Hyperbranched Amine-Based Polymers for Solidâ€“Liquid Separation. Langmuir, 2014, 30, 2360-2368. | 1.6 | 40 |
| 83 | Therapeutic potential of carbohydrate-based polymeric and nanoparticle systems. Expert Opinion on Drug Delivery, 2014, 11, 867-884. | 2.4 | 43 |
| 84 | Introductory Guide to Smart Biomaterials. NIMS Monographs, 2014, , 1-7. | 0.1 | 2 |
| 85 | Smart Nanoassemblies and Nanoparticles. NIMS Monographs, 2014, , 67-113. | 0.1 | 1 |
| 86 | Smart Bioconjugates. NIMS Monographs, 2014, , 237-284. | 0.1 | 1 |
| 87 | Smart Surfaces. NIMS Monographs, 2014, , 115-188. | 0.1 | 0 |
| 88 | Smart Nanofibers. NIMS Monographs, 2014, , 189-235. | 0.1 | 0 |
| 89 | Fabrication of FITCâ€doped silica nanoparticles and study of their cellular uptake in the presence of lectins. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2090-2096. | 2.1 | 22 |
| 90 | Construction of â€˜smartâ€™ surfaces with polymer functionalized silica nanoparticles. Polymer Chemistry, 2013, 4, 1038-1047. | 1.9 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Synthesis and Evaluation of Polymeric Gold Glyco-Conjugates as Anti-Cancer Agents. Bioconjugate Chemistry, 2013, 24, 979-986. | 1.8 | 38 |
| 92 | Poly(N-vinyl-2-pyrrolidone-co-vinyl alcohol), a Versatile Amphiphilic Polymeric Scaffold for Multivalent Probes. Organic Letters, 2013, 15, 5190-5193. | 2.4 | 12 |
| 93 | Cell line dependent uptake and transfection efficiencies of PEIâ€"anionic glycopolymer systems. Biomaterials, 2013, 34, 4368-4376. | 5.7 | 36 |
| 94 | Glycopolymers and Glycoâ€nanoparticles in Biomolecular Recognition Processes and Vaccine Development. Macromolecular Bioscience, 2013, 13, 9-27. | 2.1 | 75 |
| 95 | Progress of RAFT based polymers in gene delivery. Progress in Polymer Science, 2013, 38, 767-790. | 11.8 | 137 |
| 96 | Cationic glyco-nanogels for epidermal growth factor receptor (EGFR) specific siRNA delivery in ovarian cancer cells. Polymer Chemistry, 2013, 4, 3829. | 1.9 | 42 |
| 97 | Linear and hyperbranched phosphorylcholine based homopolymers for blood biocompatibility. Polymer Chemistry, 2013, 4, 3140. | 1.9 | 25 |
| 98 | Temperature, pH, and Glucose Responsive Gels via Simple Mixing of Boroxole- and Glyco-Based Polymers. ACS Macro Letters, 2013, 2, 260-264. | 2.3 | 113 |
| 99 | Simple Coating with pH-Responsive Polymer-Functionalized Silica Nanoparticles of Mixed Sizes for Controlled Surface Properties. ACS Applied Materials & Interfaces, 2013, 5, 10004-10010. | 4.0 | 16 |
| 100 | Recent advances in the preparation of glycopolymer bioconjugates. European Polymer Journal, 2013, 49, 3010-3033. | 2.6 | 51 |
| 101 | Intracellular Delivery of DNA and Enzyme in Active Form Using Degradable Carbohydrate-Based Nanogels. Molecular Pharmaceutics, 2012, 9, 3160-3170. | 2.3 | 50 |
| 102 | Glyconanoparticles for Gene Delivery. ACS Symposium Series, 2012, , 81-105. | 0.5 | 2 |
| 103 | Degradable Thermoresponsive Nanogels for Protein Encapsulation and Controlled Release. Bioconjugate Chemistry, 2012, 23, 75-83. | 1.8 | 91 |
| 104 | Hyperbranched Glycopolymers for Blood Biocompatibility. Bioconjugate Chemistry, 2012, 23, 1050-1058. | 1.8 | 67 |
| 105 | Impact of the nature, size and chain topologies of carbohydrateâ€"phosphorylcholine polymeric gene delivery systems. Biomaterials, 2012, 33, 7858-7870. | 5.7 | 58 |
| 106 | Biodegradable and Nontoxic Nanogels as Nonviral Gene Delivery Systems. Bioconjugate Chemistry, 2012, 23, 1925-1933. | 1.8 | 49 |
| 107 | A â€˜smartâ€™ approach towards the formation of multifunctional nano-assemblies by simple mixing of block copolymers having a common temperature sensitive segment. Polymer Chemistry, 2012, 3, 1150. | 1.9 | 27 |
| 108 | Novel temperature-responsive polymer brushes with carbohydrate residues facilitate selective adhesion and collection of hepatocytes. Science and Technology of Advanced Materials, 2012, 13, 064206. | 2.8 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Synthesis of cationic magnetic nanoparticles and evaluation of their gene delivery efficacy in Hep G2 cells. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2342-2347. | 2.1 | 7 |
| 110 | Fabrication of doubly responsive polymer functionalized silica nanoparticles via a simple thiolâ€“ene click chemistry. Polymer Chemistry, 2012, 3, 2545. | 1.9 | 49 |
| 111 | The effect of molecular weight, compositions and lectin type on the properties of hyperbranched glycopolymers as non-viral gene delivery systems. Biomaterials, 2012, 33, 3990-4001. | 5.7 | 97 |
| 112 | Rho kinases (ROCKs) in sepsis-induced acute lung injury. Journal of Thoracic Disease, 2012, 4, 12-4. | 0.6 | 1 |
| 113 | Well-Controlled Cationic Water-Soluble Phospholipid Polymerâ^'DNA Nanocomplexes for Gene Delivery. Bioconjugate Chemistry, 2011, 22, 1228-1238. | 1.8 | 47 |
| 114 | Detailed study of the reversible additionâ€“fragmentation chain transfer polymerization and co-polymerization of 2-methacryloyloxyethyl phosphorylcholine. Polymer Chemistry, 2011, 2, 632-639. | 1.9 | 48 |
| 115 | Photochemical Approach toward Deposition of Gold Nanoparticles on Functionalized Carbon Nanotubes. Langmuir, 2011, 27, 12642-12649. | 1.6 | 19 |
| 116 | Septic sera induces apoptosis and DNA fragmentation factor 40 activation in fibroblasts. Biochemical and Biophysical Research Communications, 2011, 412, 260-265. | 1.0 | 11 |
| 117 | Construction of Polymerâ€“Protein Bioconjugates with Varying Chain Topologies: Polymer Molecular Weight and Steric Hindrance Effects. Chemistry - an Asian Journal, 2011, 6, 2835-2845. | 1.7 | 11 |
| 118 | The effect of polymer architecture, composition, and molecular weight on the properties of glycopolymer-based non-viral gene delivery systems. Biomaterials, 2011, 32, 5279-5290. | 5.7 | 125 |
| 119 | Impact of the Nature and Size of the Polymeric Backbone on the Ability of Heterobifunctional Ligands to Mediate Shiga Toxin and Serum Amyloid P Component Ternary Complex Formation. Toxins, 2011, 3, 1065-1088. | 1.5 | 12 |
| 120 | Rapid Synthesis of Gold Nanorods Using a One-Step Photochemical Strategy. Langmuir, 2010, 26, 18392-18399. | 1.6 | 26 |
| 121 | Synthesis of Biotinylated Î±-d-Mannoside or N-Acetyl Î²-d-Glucosaminoside Decorated Gold Nanoparticles: Study of Their Biomolecular Recognition with Con A and WGA Lectins. Bioconjugate Chemistry, 2010, 21, 521-530. | 1.8 | 57 |
| 122 | Copper-Catalyzed Bimolecular Coupling of Î±,Ï‰-Dibromide-Functionalized Poly(Î³-caprolactone). Macromolecules, 2010, 43, 3228-3232. | 2.2 | 16 |
| 123 | Novel wellâ€defined glycopolymers synthesized via the reversible addition fragmentation chain transfer process in aqueous media. Journal of Polymer Science Part A, 2009, 47, 614-627. | 2.5 | 82 |
| 124 | Protein encapsulation and release from degradable sugar based hydrogels. European Polymer Journal, 2009, 45, 1689-1697. | 2.6 | 21 |
| 125 | Synthesis and characterization of biocompatible magnetic glyconanoparticles. Journal of Magnetism and Magnetic Materials, 2009, 321, 1393-1396. | 1.0 | 30 |
| 126 | Probing temperature-sensitive behavior of pNIPAAm-coated iron oxide nanoparticles using frequency-dependent magnetic measurements. Journal of Magnetism and Magnetic Materials, 2009, 321, 1377-1380. | 1.0 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Fabrication of Two Types of Shell-Cross-Linked Micelles with â€œInvertedâ€•Structures in Aqueous Solution from Schizophrenic Water-Soluble ABC Triblock Copolymer via Click Chemistry. Langmuir, 2009, 25, 2046-2054. | 1.6 | 78 |
| 128 | Fabrication of SWNT/Silica Composites by the Solâˆ’Gel Process. ACS Applied Materials & Interfaces, 2009, 1, 181-186. | 4.0 | 30 |
| 129 | Study of Transfection Efficiencies of Cationic Glyconanoparticles of Different Sizes in Human Cell Line. ACS Applied Materials & Interfaces, 2009, 1, 1980-1987. | 4.0 | 46 |
| 130 | Well-Defined Galactose-Containing Multi-Functional Copolymers and Glyconanoparticles for Biomolecular Recognition Processes. Macromolecules, 2009, 42, 6393-6405. | 2.2 | 84 |
| 131 | Cationic Glyco-Functionalized Single-Walled Carbon Nanotubes as Efficient Gene Delivery Vehicles. Bioconjugate Chemistry, 2009, 20, 2017-2022. | 1.8 | 90 |
| 132 | Synthesis and characterization of novel glycosurfaces by ATRP. Soft Matter, 2009, 5, 1621. | 1.2 | 47 |
| 133 | Covalently stabilized temperature and pH responsive four-layer nanoparticles fabricated from surface â€˜clickableâ€™ shell cross-linked micelles. Soft Matter, 2009, 5, 1530. | 1.2 | 40 |
| 134 | Biotinylated Glyco-Functionalized Quantum Dots: Synthesis, Characterization, and Cytotoxicity Studies. Bioconjugate Chemistry, 2009, 20, 994-1001. | 1.8 | 99 |
| 135 | Cationic Glyconanoparticles: Their Complexation with DNA, Cellular Uptake, and Transfection Efficiencies. Bioconjugate Chemistry, 2009, 20, 2169-2176. | 1.8 | 63 |
| 136 | Degradable Thermoresponsive Core Cross-Linked Micelles: Fabrication, Surface Functionalization, and Biorecognition. Langmuir, 2009, 25, 13344-13350. | 1.6 | 65 |
| 137 | Water-Assisted Atom Transfer Radical Polymerization of N-Isopropylacrylamide: Nature of Solvent and Temperature. Journal of Physical Chemistry B, 2009, 113, 676-681. | 1.2 | 79 |
| 138 | Characterization of human septic sera induced gene expression modulation in human myocytes. International Journal of Clinical and Experimental Medicine, 2009, 2, 131-48. | 1.3 | 7 |
| 139 | Facile synthesis of controlledâ€structure primary amineâ€based methacrylamide polymers via the reversible additionâ€fragmentation chain transfer process. Journal of Polymer Science Part A, 2008, 46, 4984-4996. | 2.5 | 85 |
| 140 | pHâ€Switchable Complexation between Double Hydrophilic Heteroarm Star Copolymers and a Cationic Block Polyelectrolyte. Macromolecular Chemistry and Physics, 2008, 209, 754-763. | 1.1 | 15 |
| 141 | Synthesis and characterization of novel (amideâ€“imide)-silica composites by the solâ€“gel process. Composites Science and Technology, 2008, 68, 617-624. | 3.8 | 40 |
| 142 | Monodisperse Protein Stabilized Gold Nanoparticles via a Simple Photochemical Process. Journal of Physical Chemistry C, 2008, 112, 12282-12290. | 1.5 | 69 |
| 143 | Reversible Additionâˆ’Fragmentation Chain Transfer Polymerization of N-Isopropylacrylamide:â€‰ A Comparison between a Conventional and a Fast Initiator. Journal of Physical Chemistry B, 2007, 111, 11120-11126. | 1.2 | 21 |
| 144 | Preparation of Biotinylated Glyconanoparticles via a Photochemical Process and Study of Their Bioconjugation to Streptavidin. Langmuir, 2007, 23, 12835-12841. | 1.6 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Facile Preparation of Glyconanoparticles and Their Bioconjugation to Streptavidin. Langmuir, 2007, 23, 5056-5061. | 1.6 | 85 |
| 146 | Aqueous solution behavior of p(N-isopropyl acrylamide) in the presence of water-soluble macromolecular species. European Polymer Journal, 2007, 43, 4344-4354. | 2.6 | 28 |
| 147 | Syntheses and micellar properties of well-defined amphiphilic AB2 and A2B Y-shaped miktoarm star copolymers of É›-caprolactone and 2-(dimethylamino)ethyl methacrylate. Journal of Polymer Science Part A, 2007, 45, 1446-1462. | 2.5 | 55 |
| 148 | Synthesis of Monodisperse Biotinylated p(NIPAAm)-Coated Iron Oxide Magnetic Nanoparticles and their Bioconjugation to Streptavidin. Langmuir, 2007, 23, 6299-6304. | 1.6 | 133 |
| 149 | Modification of carboxyl-functionalized single-walled carbon nanotubes with biocompatible, water-soluble phosphorylcholine and sugar-based polymers: Bioinspired nanorods. Journal of Polymer Science Part A, 2006, 44, 6558-6568. | 2.5 | 50 |
| 150 | Tailor-made proteinâ€“glycopolymer bioconjugates. Reactive and Functional Polymers, 2006, 66, 1589-1595. | 2.0 | 36 |
| 151 | Biomimetic Stimulus-Responsive Star Diblock Gelators. Langmuir, 2005, 21, 9946-9954. | 1.6 | 76 |
| 152 | Biomimetic thermo-responsive star diblock gelators. Chemical Communications, 2004, , 2746. | 2.2 | 18 |
| 153 | Direct Synthesis and Aqueous Solution Properties of Well-Defined Cyclic Sugar Methacrylate Polymers. Macromolecules, 2003, 36, 4675-4678. | 2.2 | 109 |
| 154 | Synthesis and Aqueous Solution Properties of Novel Sugar Methacrylate-Based Homopolymers and Block Copolymers. Biomacromolecules, 2003, 4, 1746-1758. | 2.6 | 237 |
| 155 | Synthesis of low polydispersity, controlled-structure sugar methacrylate polymers under mild conditions without protecting group chemistryElectronic supplementary information (ESI) available: experimental protocols, spectroscopic characterization and rates of polymerization. See http://www.rsc.org/suppdata/cc/b2/b208654a/. Chemical Communications, 2002, , 2776-2777. | 2.2 | 100 |
| 156 | Synthesis and characterization of novel polymers derived from gluconolactone. Polymer International, 2002, 51, 85-91. | 1.6 | 11 |
| 157 | Synthesis and characterization of polymers containing linear sugar moieties as side groups. European Polymer Journal, 2002, 38, 273-280. | 2.6 | 36 |
| 158 | Schiff base complexes of ruthenium(II) and their use as catalytic oxidants. Polyhedron, 1998, 18, 341-345. | 1.0 | 64 |