Michael R Whittaker

List of Publications by Year
in descending order

164 papers	10,330 citations	23544 58 h-index	37183 96 g-index
166 all docs	166 docs citations	166 times ranked	11217 citing authors

#	Article	IF	Citations
1	Thiol-responsive lyotropic liquid crystals exhibit triggered phase re-arrangement and hydrogen sulfide (H2S) release. Journal of Colloid and Interface Science, 2022, 613, 218-223.	5.0	0
2	Schwann cell endosome CGRP signals elicit periorbital mechanical allodynia in mice. Nature Communications, 2022, 13, 646.	5.8	57
3	Sustained endosomal release of a neurokinin-1 receptor antagonist from nanostars provides long-lasting relief of chronic pain. Biomaterials, 2022, 285, 121536.	5.7	16
4	Trisulfide linked cholesteryl PEG conjugate attenuates intracellular ROS and collagen-1 production in a breast cancer co-culture model. Biomaterials Science, 2021, 9, 835-846.	2.6	11
5	Polymeric micelles with anti-virulence activity against Candida albicans in a single- and dual-species biofilm. Drug Delivery and Translational Research, 2021, 11, 1586-1597.	3.0	10
6	Oxytocin receptor antagonists as a novel pharmacological agent for reducing smooth muscle tone in the human prostate. Scientific Reports, 2021, 11, 6352.	1.6	5
7	Physiological and pharmacological impact of oxytocin on epididymal propulsion during the ejaculatory process in rodents and men. FASEB Journal, 2021, 35, e21639.	0.2	3
8	Nitroxide-functional PEGylated nanostars arrest cellular oxidative stress and exhibit preferential accumulation in co-cultured breast cancer cells. Journal of Materials Chemistry B, 2021, 9, 7805-7820.	2.9	3
9	Delivery of polymeric nanostars for molecular imaging and endoradiotherapy through the enhanced permeability and retention (EPR) effect. Theranostics, 2020, 10, 567-584.	4.6	63
10	Elucidating the effect of sequence and degree of polymerization on antimicrobial properties for block copolymers. Polymer Chemistry, 2020, 11, 84-90.	1.9	31
11	The impact of size and charge on the pulmonary pharmacokinetics and immunological response of the lungs to PLGA nanoparticles after intratracheal administration to rats. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102291.	1.7	22
12	Trisulfide-Bearing PEG Brush Polymers Donate Hydrogen Sulfide and Ameliorate Cellular Oxidative Stress. Biomacromolecules, 2020, 21, 5292-5305.	2.6	8
13	Oxytocin in the Male Reproductive Tract; The Therapeutic Potential of Oxytocin-Agonists and-Antagonists. Frontiers in Endocrinology, 2020, 11, 565731.	1.5	21
14	Lymphatic targeting by albumin-hitchhiking: Applications and optimisation. Journal of Controlled Release, 2020, 327, 117-128.	4.8	55
15	Poly(2-isopropenyl-2-oxazoline) â€“ a structural analogue to poly(vinyl azlactone) with Orthogonal Reactivity. Polymer Chemistry, 2020, 11, 5681-5692.	1.9	14
16	Sulfoxideâ€Containing Polymerâ€Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. Advanced Science, 2020, 7, 2000406.	5.6	43
17	Polymers with Dithiobenzoate End Groups Constitutively Release Hydrogen Sulfide upon Exposure to Cysteine and Homocysteine. ACS Macro Letters, 2020, 9, 553-557.	2.3	11
18	H₂S-Donating trisulfide linkers confer unexpected biological behaviour to poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.9	7

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19	pHâ€Responsive Polymers for Improving the Signalâ€toâ€Noise Ratio of Hypoxia PET Imaging with [18 F]Fluoromisonidazole. Macromolecular Rapid Communications, 2020, 41, 2000061.	2.0	4
20	Design and preclinical evaluation of nanostars for the passive pretargeting of tumor tissue. Nuclear Medicine and Biology, 2020, 84-85, 63-72.	0.3	16
21	pH-Responsive copolymer micelles to enhance itraconazole efficacy against Candida albicans biofilms. Journal of Materials Chemistry B, 2020, 8, 1672-1681.	2.9	26
22	Controlling Nanomaterial Size and Shape for Biomedical Applications via Polymerizationâ€Induced Selfâ€Assembly. Macromolecular Rapid Communications, 2019, 40, e1800438.	2.0	136
23	A pH-responsive nanoparticle targets the neurokinin 1 receptor in endosomes to prevent chronic pain. Nature Nanotechnology, 2019, 14, 1150-1159.	15.6	103
24	Intra-articular Treatment of Osteoarthritis with Diclofenac-Conjugated Polymer Reduces Inflammation and Pain. ACS Applied Bio Materials, 2019, 2, 2822-2832.	2.3	12
25	Local inflammation alters the lung disposition of a drug loaded pegylated liposome after pulmonary dosing to rats. Journal of Controlled Release, 2019, 307, 32-43.	4.8	26
26	Development of a shapeâ€controlled H 2 S delivery system using epoxideâ€functional nanoparticles. Journal of Polymer Science Part A, 2019, 57, 1982-1993.	2.5	7
27	Rapid Assessment of Nanoparticle Extravasation in a Microfluidic Tumor Model. ACS Applied Nano Materials, 2019, 2, 1844-1856.	2.4	36
28	An optimised Cu(0)-RDRP approach for the synthesis of lipidated oligomeric vinyl azlactone: toward a versatile antimicrobial materials screening platform. Journal of Materials Chemistry B, 2019, 7, 6796-6809.	2.9	11
29	Thiol-Reactive Star Polymers Functionalized with Short Ethoxy-Containing Moieties Exhibit Enhanced Uptake in Acute Lymphoblastic Leukemia Cells . International Journal of Nanomedicine, 2019, Volume 14, 9795-9808.	3.3	8
30	The Applications of 3D Printing in Pulmonary Drug Delivery and Treatment of Respiratory Disorders. Current Pharmaceutical Design, 2019, 24, 5072-5080.	0.9	5
31	Overcoming Surfactant-Induced Morphology Instability of Noncrosslinked Diblock Copolymer Nano-Objects Obtained by RAFT Emulsion Polymerization. ACS Macro Letters, 2018, 7, 159-165.	2.3	38
32	A comparison of the lung clearance kinetics of solid lipid nanoparticles and liposomes by following the 3H-labelled structural lipids after pulmonary delivery in rats. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 125, 1-12.	2.0	42
33	Nano-assemblies of cationic mPEG brush block copolymers with gadolinium polyoxotungstate [Gd(W₅O₁₈)₂]^{9â^’} form stable, high relaxivity MRI contrast agents. Nanoscale, 2018, 10, 7270-7280.	2.8	8
34	The role of algal organic matter in the separation of algae and cyanobacteria using the novel â€œPosiâ€• Dissolved air flotation process. Water Research, 2018, 130, 20-30.	5.3	49
35	Uptake and transcytosis of functionalized superparamagnetic iron oxide nanoparticles in an in vitro blood brain barrier model. Biomaterials Science, 2018, 6, 314-323.	2.6	36
36	Linker chemistry dictates the delivery of a phototoxic organometallic rhenium(<scp>i</scp>) complex to human cervical cancer cells from core crosslinked star polymer nanoparticles. Journal of Materials Chemistry B, 2018, 6, 7805-7810.	2.9	9

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37	Bioconjugation and Fluorescence Labeling of Iron Oxide Nanoparticles Grafted with Bromomaleimide-Terminal Polymers. Biomacromolecules, 2018, 19, 4423-4429.	2.6	32
38	Exploiting Macromolecular Design To Optimize the Antibacterial Activity of Alkylated Cationic Oligomers. Biomacromolecules, 2018, 19, 4629-4640.	2.6	14
39	Suggested Procedures for the Reproducible Synthesis of Poly(d,l-lactideco-glycolide) Nanoparticles Using the Emulsification Solvent Diffusion Platform. Current Nanoscience, 2018, 14, 448-453.	0.7	25
40	Elucidating the Influences of Size, Surface Chemistry, and Dynamic Flow on Cellular Association of Nanoparticles Made by Polymerizationâ€Induced Selfâ€Assembly. Small, 2018, 14, e1801702.	5.2	67
41	Recent advances in the delivery of hydrogen sulfide via a macromolecular approach. Polymer Chemistry, 2018, 9, 4431-4439.	1.9	39
42	A tunable one-pot three-component synthesis of an¹²⁵I and Gd-labelled star polymer nanoparticle for hybrid imaging with MRI and nuclear medicine. Polymer Chemistry, 2018, 9, 3528-3535.	1.9	8
43	Recent Advances in Magnetic Nanoparticle-based Molecular Probes for Hepatocellular Carcinoma Diagnosis and Therapy. Current Pharmaceutical Design, 2018, 24, 2432-2437.	0.9	13
44	Surfactant-free RAFT emulsion polymerization using a novel biocompatible thermoresponsive polymer. Polymer Chemistry, 2017, 8, 1353-1363.	1.9	62
45	Brushed Polyethylene Glycol and Phosphorylcholine as Promising Grafting Agents against Protein Binding. Biophysical Journal, 2017, 112, 350a.	0.2	0
46	A traceless reversible polymeric colistin prodrug to combat multidrug-resistant (MDR) gram-negative bacteria. Journal of Controlled Release, 2017, 259, 83-91.	4.8	15
47	Engineered Hydrogen-Bonded Glycopolymer Capsules and Their Interactions with Antigen Presenting Cells. ACS Applied Materials & Interfaces, 2017, 9, 6444-6452.	4.0	15
48	Thiol-Reactive Star Polymers Display Enhanced Association with Distinct Human Blood Components. ACS Applied Materials & Interfaces, 2017, 9, 12182-12194.	4.0	24
49	Cationic acrylate oligomers comprising amino acid mimic moieties demonstrate improved antibacterial killing efficiency. Journal of Materials Chemistry B, 2017, 5, 531-536.	2.9	38
50	Polymers with acyl-protected perthiol chain termini as convenient building blocks for doubly responsive H₂S-donating nanoparticles. Polymer Chemistry, 2017, 8, 6362-6367.	1.9	18
51	Star Polymers Reduce Islet Amyloid Polypeptide Toxicity via Accelerated Amyloid Aggregation. Biomacromolecules, 2017, 18, 4249-4260.	2.6	65
52	Lipidated polymers for the stabilization of cubosomes: nanostructured drug delivery vehicles. Chemical Communications, 2017, 53, 10552-10555.	2.2	13
53	Polymerization-Induced Self-Assembly: The Effect of End Group and Initiator Concentration on Morphology of Nanoparticles Prepared via RAFT Aqueous Emulsion Polymerization. ACS Macro Letters, 2017, 6, 1013-1019.	2.3	89
54	Synthesis of Star Polymers by RAFT Polymerization as Versatile Nanoparticles for Biomedical Applications. Australian Journal of Chemistry, 2017, 70, 1161.	0.5	27

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55	Influence of Size and Shape on the Biodistribution of Nanoparticles Prepared by Polymerization-Induced Self-Assembly. Biomacromolecules, 2017, 18, 3963-3970.	2.6	87
56	Modular photo-induced RAFT polymerised hydrogels via thiolâ€“ene click chemistry for 3D cell culturing. Polymer Chemistry, 2017, 8, 6123-6133.	1.9	18
57	Effect of increased surface hydrophobicity via drug conjugation on the clearance of inhaled PEGylated polylysine dendrimers. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 119, 408-418.	2.0	28
58	Precise control of drug loading and release of an NSAIDâ€“polymer conjugate for long term osteoarthritis intra-articular drug delivery. Journal of Materials Chemistry B, 2017, 5, 6221-6226.	2.9	12
59	Garlic-inspired trisulfide linkers for thiol-stimulated H₂S release. Chemical Communications, 2017, 53, 8030-8033.	2.2	27
60	Hydrolyzable Poly[Poly(Ethylene Glycol) Methyl Ether Acrylate]â€“Colistin Prodrugs through Copper-Mediated Photoinduced Living Radical Polymerization. Bioconjugate Chemistry, 2017, 28, 1916-1924.	1.8	11
61	Sequence-controlled methacrylic multiblock copolymers via sulfur-free RAFT emulsion polymerization. Nature Chemistry, 2017, 9, 171-178.	6.6	287
62	Comb Poly(Oligo(2â€Ethylâ€2â€Oxazoline)Methacrylate)â€Peptide Conjugates Prepared by Aqueous Cu(0)â€Mediated Polymerization and Reductive Amination. Macromolecular Rapid Communications, 2017, 38, 1600534.	2.0	22
63	Glutathione responsive polymers and their application in drug delivery systems. Polymer Chemistry, 2017, 8, 97-126.	1.9	226
64	A Hydrogelâ€Based Localized Release of Colistin for Antimicrobial Treatment of Burn Wound Infection. Macromolecular Bioscience, 2017, 17, 1600320.	2.1	51
65	Nitric oxide-sensing actuators for modulating structure in lipid-based liquid crystalline drug delivery systems. Journal of Colloid and Interface Science, 2017, 508, 517-524.	5.0	12
66	Brushed polyethylene glycol and phosphorylcholine for grafting nanoparticles against protein binding. Polymer Chemistry, 2016, 7, 6875-6879.	1.9	20
67	Stability Enhancing N-Terminal PEGylation of Oxytocin Exploiting Different Polymer Architectures and Conjugation Approaches. Biomacromolecules, 2016, 17, 2755-2766.	2.6	13
68	Gadolinium-functionalized nanoparticles for application as magnetic resonance imaging contrast agents via polymerization-induced self-assembly. Polymer Chemistry, 2016, 7, 7325-7337.	1.9	56
69	Polymeric filomicelles and nanoworms: two decades of synthesis and application. Polymer Chemistry, 2016, 7, 4295-4312.	1.9	110
70	Antibacterial low molecular weight cationic polymers: dissecting the contribution of hydrophobicity, chain length and charge to activity. RSC Advances, 2016, 6, 15469-15477.	1.7	58
71	Facile production of nanoaggregates with tuneable morphologies from thermoresponsive P(DEGMA-co-HPMA). Polymer Chemistry, 2016, 7, 430-440.	1.9	74
72	Nitric Oxide (NO) Endows Arylamine-Containing Block Copolymers with Unique Photoresponsive and Switchable LCST Properties. Macromolecules, 2016, 49, 2741-2749.	2.2	16

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73	Disposition and safety of inhaled biodegradable nanomedicines: Opportunities and challenges. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1703-1724.	1.7	67
74	Synthesis and in vitro properties of iron oxide nanoparticles grafted with brushed phosphorylcholine and polyethylene glycol. Polymer Chemistry, 2016, 7, 1931-1944.	1.9	32
75	The Pharmacokinetics and Biodistribution of a 64 kDa PolyPEG Star Polymer After Subcutaneous and Pulmonary Administration to Rats. Journal of Pharmaceutical Sciences, 2016, 105, 293-300.	1.6	17
76	Facile access to thermoresponsive filomicelles with tuneable cores. Chemical Communications, 2016, 52, 4497-4500.	2.2	51
77	Macromolecular Hydrogen Sulfide Donors Trigger Spatiotemporally Confined Changes in Cell Signaling. Biomacromolecules, 2016, 17, 371-383.	2.6	32
78	Cu(0)-Mediated Living Radical Polymerization: A Versatile Tool for Materials Synthesis. Chemical Reviews, 2016, 116, 835-877.	23.0	373
79	Biomimetic polymers responsive to a biological signaling molecule: Nitric oxide (NO) triggered reversible self-assembly of single macromolecular chains into nanoparticles. Journal of Controlled Release, 2015, 213, e55-e56.	4.8	7
80	Delivering nitric oxide with nanoparticles. Journal of Controlled Release, 2015, 205, 190-205.	4.8	133
81	Application of Heterocyclic Polymers in the Ratiometric Spectrophotometric Determination of Fluoride. ACS Macro Letters, 2015, 4, 236-241.	2.3	15
82	The use of endogenous gaseous molecules (NO and CO₂) to regulate the self-assembly of a dual-responsive triblock copolymer. Polymer Chemistry, 2015, 6, 2407-2415.	1.9	22
83	Synthesis of Well-Defined Poly(acrylates) in Ionic Liquids via Copper(II)-Mediated Photoinduced Living Radical Polymerization. Macromolecules, 2015, 48, 5140-5147.	2.2	56
84	Cholesterol Modified Self-Assemblies and Their Application to Nanomedicine. Biomacromolecules, 2015, 16, 1886-1914.	2.6	80
85	Rapid synthesis of ultrahigh molecular weight and low polydispersity polystyrene diblock copolymers by RAFT-mediated emulsion polymerization. Polymer Chemistry, 2015, 6, 3865-3874.	1.9	154
86	Organic Arsenicals As Efficient and Highly Specific Linkers for Protein/Peptideâ€“Polymer Conjugation. Journal of the American Chemical Society, 2015, 137, 4215-4222.	6.6	71
87	Reproducible Access to Tunable Morphologies via the Self-Assembly of an Amphiphilic Diblock Copolymer in Water. ACS Macro Letters, 2015, 4, 381-386.	2.3	46
88	In Situ Conjugation of Dithiophenol Maleimide Polymers and Oxytocin for Stable and Reversible Polymerâ€“Peptide Conjugates. Bioconjugate Chemistry, 2015, 26, 633-638.	1.8	47
89	Nitric Oxide (NO) Cleavable Biomimetic Thermoresponsive Double Hydrophilic Diblock Copolymer with Tunable LCST. Macromolecules, 2015, 48, 3817-3824.	2.2	27
90	Molecular weight (hydrodynamic volume) dictates the systemic pharmacokinetics and tumour disposition of PolyPEG star polymers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 2099-2108.	1.7	17

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91	Transformation of RAFT Polymer End Groups into Nitric Oxide Donor Moieties: En Route to Biochemically Active Nanostructures. ACS Macro Letters, 2015, 4, 1278-1282.	2.3	19
92	The importance of nanoparticle shape in cancer drug delivery. Expert Opinion on Drug Delivery, 2015, 12, 129-142.	2.4	455
93	Cu(0)-Mediated Controlled/Living Radical Polymerization: A Tool for Precise Multiblock Copolymer Synthesis. ACS Symposium Series, 2014, , 201-212.	0.5	0
94	Biomimetic Polymers Responsive to a Biological Signaling Molecule: Nitric Oxide Triggered Reversible Selfâ€assembly of Single Macromolecular Chains into Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 7779-7784.	7.2	60
95	Photoinduced sequence-control via one pot living radical polymerization of acrylates. Chemical Science, 2014, 5, 3536-3542.	3.7	151
96	Synthesis of complex macromolecules using iterative copper(0)-mediated radical polymerization. Journal of Polymer Science Part A, 2014, 52, 2083-2098.	2.5	27
97	Magnetic nanoparticles with diblock glycopolymer shells give lectin concentration-dependent MRI signals and selective cell uptake. Chemical Science, 2014, 5, 715-726.	3.7	111
98	Nano-sized graphene oxide as sole surfactant in miniemulsion polymerization for nanocomposite synthesis: Effect of pH and ionic strength. Polymer, 2014, 55, 3490-3497.	1.8	49
99	Hydrophobically-associating cationic polymers as micro-bubble surface modifiers in dissolved air flotation for cyanobacteria cell separation. Water Research, 2014, 61, 253-262.	5.3	73
100	Grafting of P(OEGA) Onto Magnetic Nanoparticles Using Cu(0) Mediated Polymerization: Comparing Grafting â€œfromâ€•and â€œtoâ€•Approaches in the Search for the Optimal Material Design of Nanoparticle MRI Contrast Agents. Macromolecules, 2013, 46, 6038-6047.	2.2	68
101	Functional Iron Oxide Magnetic Nanoparticles with Hyperthermiaâ€Induced Drug Release Ability by Using a Combination of Orthogonal Click Reactions. Angewandte Chemie - International Edition, 2013, 52, 14152-14156.	7.2	133
102	Micron-size metal-binding hydrogel particles improve germination and radicle elongation of Australian metallophyte grasses in mine waste rock and tailings. Journal of Hazardous Materials, 2013, 248-249, 442-450.	6.5	5
103	Metal-binding hydrogel particles alleviate soil toxicity and facilitate healthy plant establishment of the native metallophyte grass Astrebla lappacea in mine waste rock and tailings. Journal of Hazardous Materials, 2013, 248-249, 424-434.	6.5	7
104	Soft ionization mass spectroscopy: Insights into the polymerization mechanism. Journal of Polymer Science Part A, 2013, 51, 1475-1505.	2.5	25
105	Copper(0)-mediated radical polymerisation in a self-generating biphasic system. Polymer Chemistry, 2013, 4, 106-112.	1.9	75
106	High Molecular Weight Block Copolymers by Sequential Monomer Addition via Cu(0)-Mediated Living Radical Polymerization (SET-LRP): An Optimized Approach. ACS Macro Letters, 2013, 2, 896-900.	2.3	124
107	Synthesis of polystyrene nanoparticles â€œarmouredâ€•with nanodimensional graphene oxide sheets by miniemulsion polymerization. Journal of Polymer Science Part A, 2013, 51, 47-58.	2.5	77
108	Influence of monomer type on miniemulsion polymerization systems stabilized by graphene oxide as sole surfactant. Journal of Polymer Science Part A, 2013, 51, 5153-5162.	2.5	53

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109	Optimising dissolved air flotation/filtration treatment of algae-laden lagoon effluent using surface charge: a Bolivar treatment plant case study. Water Science and Technology, 2012, 66, 1684-1690.	1.2	6
110	Synthesis of multi-block copolymer stars using a simple iterative Cu(0)-mediated radical polymerization technique. Polymer Chemistry, 2012, 3, 117-123.	1.9	116
111	Adsorption behaviour of sulfur containing polymers to gold surfaces using QCM-D. Soft Matter, 2012, 8, 118-128.	1.2	65
112	Effect of TiO2 nanoparticle surface functionalization on protein adsorption, cellular uptake and cytotoxicity: the attachment of PEG comb polymers using catalytic chain transfer and thiolâ€“ene chemistry. Polymer Chemistry, 2012, 3, 2743.	1.9	43
113	A detailed surface analytical study of degradation processes in (meth)acrylic polymers. Journal of Polymer Science Part A, 2012, 50, 1801-1811.	2.5	22
114	Modification of graphene/graphene oxide with polymer brushes using controlled/living radical polymerization. Journal of Polymer Science Part A, 2012, 50, 2981-2992.	2.5	88
115	Synthesis of Functional Core, Star Polymers via RAFT Polymerization for Drug Delivery Applications. Macromolecular Rapid Communications, 2012, 33, 760-766.	2.0	136
116	Synthesis of block copolymers via atom transfer radical polymerization and â€˜click chemistryâ€™ grafted from pre-functionalized polypropylene surfaces using gamma irradiation. Polymer Chemistry, 2012, 3, 2102.	1.9	12
117	Synthesis of Complex Multiblock Copolymers via a Simple Iterative Cu(0)-Mediated Radical Polymerization Approach. Macromolecules, 2011, 44, 8028-8033.	2.2	172
118	High-Order Multiblock Copolymers via Iterative Cu(0)-Mediated Radical Polymerizations (SET-LRP): Toward Biological Precision. Journal of the American Chemical Society, 2011, 133, 11128-11131.	6.6	308
119	An overview of proteinâ€“polymer particles. Soft Matter, 2011, 7, 1599-1614.	1.2	89
120	Phosphorylation of Alginate: Synthesis, Characterization, and Evaluation of in Vitro Mineralization Capacity. Biomacromolecules, 2011, 12, 889-897.	2.6	95
121	Synthesis and modification of thermoresponsive poly(oligo(ethylene glycol) methacrylate) via catalytic chain transfer polymerization and thiolâ€“ene Michael addition. Polymer Chemistry, 2011, 2, 815.	1.9	93
122	Functional, star polymeric molecular carriers, built from biodegradable microgel/nanogel cores. Chemical Communications, 2011, 47, 1449-1451.	2.2	110
123	Acid Degradable and Biocompatible Polymeric Nanoparticles for the Potential Codelivery of Therapeutic Agents. Macromolecules, 2011, 44, 8008-8019.	2.2	101
124	Post-functionalization of ATRPpolymers using both thiol/ene and thiol/disulfide exchange chemistry. Chemical Communications, 2011, 47, 1318-1320.	2.2	55
125	Optimizing the generation of narrow polydispersity â€˜arm-firstâ€™ star polymers made using RAFT polymerization. Polymer Chemistry, 2011, 2, 1671.	1.9	111
126	Degradation of poly(butyl methacrylate) model compounds studied via highâ€resolution electrospray ionization mass spectrometry. Journal of Polymer Science Part A, 2011, 49, 848-861.	2.5	12

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127	Synthesis and postfunctionalization of wellâ€defined star polymers via â€œdoubleâ€click chemistry. Journal of Polymer Science Part A, 2011, 49, 5245-5256.	2.5	26
128	Endâ€group fidelity of copper(0)â€mediated radical polymerization at high monomer conversion: an ESIâ€MS investigation. Journal of Polymer Science Part A, 2011, 49, 5313-5321.	2.5	84
129	Metal-binding particles alleviate lead and zinc toxicity during seed germination of metallophyte grass Astrebla lappacea. Journal of Hazardous Materials, 2011, 190, 772-779.	6.5	7
130	High fidelity vinyl terminated polymers by combining RAFT and cobalt catalytic chain transfer (CCT) polymerization methods. Chemical Communications, 2010, 46, 6338.	2.2	36
131	Modulation of the Surface Charge on Polymer-Stabilized Gold Nanoparticles by the Application of an External Stimulus. Langmuir, 2010, 26, 2721-2730.	1.6	63
132	Waterâ€soluble, thermoresponsive, hyperbranched copolymers based on PEGâ€methacrylates: Synthesis, characterization, and LCST behavior. Journal of Polymer Science Part A, 2010, 48, 2783-2792.	2.5	156
133	PEGylated Gold Nanoparticles Functionalized with Î²-Cyclodextrin Inclusion Complexes: Towards Metal Nanoparticle - Polymer - Carbohydrate Cluster Biohybrid Materials. Australian Journal of Chemistry, 2010, 63, 1245.	0.5	43
134	Glycopolymer Decoration of Gold Nanoparticles Using a LbL Approach. Macromolecules, 2010, 43, 3775-3784.	2.2	69
135	Cellular Uptake of Densely Packed Polymer Coatings on Gold Nanoparticles. ACS Nano, 2010, 4, 403-413.	7.3	171
136	The design and utility of polymer-stabilized iron-oxide nanoparticles for nanomedicine applications. NPG Asia Materials, 2010, 2, 23-30.	3.8	408
137	Biomimetic Surface Modification of Honeycomb Films via a â€œGrafting Fromâ€Approach. Langmuir, 2010, 26, 12748-12754.	1.6	35
138	Synthesis of Hollow Polymer Nanocapsules Exploiting Gold Nanoparticles as Sacrificial Templates. Macromolecules, 2010, 43, 1792-1799.	2.2	77
139	Selfâ€assembly of wellâ€defined amphiphilic polymeric miktoarm stars, dendrons, and dendrimers in water: The effect of architecture. Journal of Polymer Science Part A, 2009, 47, 6292-6303.	2.5	33
140	Design and Synthesis of Dual Thermoresponsive and Antifouling Hybrid Polymer/Gold Nanoparticles. Macromolecules, 2009, 42, 6917-6926.	2.2	187
141	Outerâ€sphere electron transfer metalâ€catalyzed polymerization of styrene using a macrobicyclic ligand. Journal of Polymer Science Part A, 2008, 46, 146-154.	2.5	29
142	Divergent synthesis and selfâ€assembly of amphiphilic polymeric dendrons with selective degradable linkages. Journal of Polymer Science Part A, 2008, 46, 1533-1547.	2.5	51
143	Synthesis of linear and 4â€arm star block copolymers of poly(methyl acrylateâ€bâ€solketal acrylate) by SETâ€LRP at 25 Â°C. Journal of Polymer Science Part A, 2008, 46, 6346-6357.	2.5	71
144	Self-Assembly of Amphiphilic Polymeric Dendrimers Synthesized with Selective Degradable Linkages. Macromolecules, 2008, 41, 76-86.	2.2	93

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145	Convergent Synthesis of Second Generation AB-Type Miktoarm Dendrimers Using â€œClickâ€•Chemistry Catalyzed by Copper Wire. Macromolecules, 2008, 41, 1057-1060.	2.2	131
146	Adsorption of Well-Defined Fluorine-Containing Polymers onto Poly(tetrafluoroethylene). Langmuir, 2008, 24, 13075-13083.	1.6	24
147	Reactive Alkyne and Azide Solid Supports To Increase Purity of Novel Polymeric Stars and Dendrimers via the â€œClickâ€•Reaction. Macromolecules, 2007, 40, 7056-7059.	2.2	69
148	Formation of Tethered Polyacrylic Acid Loops in Coreâ^'Shell Micelles. Langmuir, 2007, 23, 7887-7890.	1.6	11
149	Raft mediated surface grafting oft-butyl acrylate onto an ethyleneâ€“propylene copolymer initiated by gamma radiation. Journal of Polymer Science Part A, 2007, 45, 1074-1083.	2.5	29
150	Original approach to multiblock copolymers via reversible additionâ€“fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2007, 45, 2334-2340.	2.5	79
151	Degradative chain transfer in vinyl acetate polymerizations using toluene as solvent. Journal of Polymer Science Part A, 2007, 45, 3620-3625.	2.5	12
152	Effect of Degassing on Surfactant-Free Emulsion Polymerizations of Styrene Mediated with RAFT. Macromolecules, 2006, 39, 904-907.	2.2	31
153	Synthesis of 3-Miktoarm Stars and 1st Generation Mikto Dendritic Copolymers by â€œLivingâ€•Radical Polymerization and â€œClickâ€•Chemistry. Journal of the American Chemical Society, 2006, 128, 11360-11361.	6.6	257
154	Synthesis of Monocyclic and Linear Polystyrene Using the Reversible Coupling/Cleavage of Thiol/Disulfide Groups. Macromolecules, 2006, 39, 9028-9034.	2.2	152
155	Synthesis of Soluble Phosphate Polymers by RAFT and Their in Vitro Mineralization.. Biomacromolecules, 2006, 7, 3178-3187.	2.6	71
156	Synthesis and Aggregation Behavior of Four-Arm Star Amphiphilic Block Copolymers in Water. Langmuir, 2006, 22, 9746-9752.	1.6	66
157	Surface-Functionalized Polymer Nanoparticles for Selective Sequestering of Heavy Metals. Advanced Materials, 2006, 18, 582-586.	11.1	51
158	Highly-Ordered Hybrid Organic-Inorganic Isoporous Membranes from Polymer Modified Nanoparticles. Macromolecular Rapid Communications, 2005, 26, 524-528.	2.0	27
159	Controlled radical polymerization of styrene and methyl acrylate in the presence of reversible addition-fragmentation chain transfer agents, phenylethyl phenyl dithioacetate and phenyldithioacetic acid. Journal of Polymer Science Part A, 2005, 43, 5232-5245.	2.5	23
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