Andrew Keith Whittaker

List of Publications by Year
in descending order

360	12,309	31902 53	46693 89
papers	citations	h-index	g-index

366	366	366	13972
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Templating coreâ€“shell particles using metal ion-chelating biosurfactants. Particuology, 2022, 64, 145-152.	2.0	2
2	Biological Utility of Fluorinated Compounds: from Materials Design to Molecular Imaging, Therapeutics and Environmental Remediation. Chemical Reviews, 2022, 122, 167-208.	23.0	172
3	Deposition of non-porous calcium phosphate shells onto liquid filled microcapsules. Journal of Colloid and Interface Science, 2022, 609, 575-583.	5.0	3
4	Revealing the Molecular-Level Interactions between Cationic Fluorinated Polymer Sorbents and the Major PFAS Pollutant PFOA. Macromolecules, 2022, 55, 1077-1087.	2.2	17
5	Development of a hyperbranched polymer-based methotrexate nanomedicine for rheumatoid arthritis. Acta Biomaterialia, 2022, 142, 298-307.	4.1	7
6	Journey to the Market: The Evolution of Biodegradable Drug Delivery Systems. Applied Sciences (Switzerland), 2022, 12, 935.	1.3	16
7	Microconfinement from Dendronized Chitosan Oligosaccharides for Mild Synthesis of Silver Nanoparticles. ACS Applied Nano Materials, 2022, 5, 4350-4359.	2.4	11
8	Physisorption of Poly(ethylene glycol) on Inorganic Nanoparticles. ACS Nano, 2022, 16, 6634-6645.	7.3	14
9	Investigation of heparin-loaded poly(ethylene glycol)-based hydrogels as anti-thrombogenic surface coatings for extracorporeal membrane oxygenation. Journal of Materials Chemistry B, 2022, 10, 4974-4983.	2.9	9
10	One-step nanoarchitectonics of a multiple functional hydrogel based on cellulose nanocrystals for effective tumor therapy. Nano Research, 2022, 15, 8636-8647.	5.8	14
11	Ultra-stable all-solid-state sodium metal batteries enabled by perfluoropolyether-based electrolytes. Nature Materials, 2022, 21, 1057-1065.	13.3	92
12	Supramolecular Chiral Assembly of Symmetric Molecules with an Extended Conjugated Core. ACS Applied Materials & Interfaces, 2022, 14, 33734-33745.	4.0	5
13	Antifouling Surfaces Enabled by Surface Grafting of Highly Hydrophilic Sulfoxide Polymer Brushes. Biomacromolecules, 2021, 22, 330-339.	2.6	43
14	Evaluating the effect of synthesis, isolation, and characterisation variables on reported particle size and dispersity of drug loaded PLGA nanoparticles. Materials Advances, 2021, 2, 5657-5671.	2.6	11
15	Photo-directing chemoepitaxy: the versatility of poly(aryl methacrylate) films in tuning block copolymer wetting. Polymer Chemistry, 2021, 12, 3201-3209.	1.9	1
16	Ultrasmall Red Fluorescent Gold Nanoclusters for Highly Biocompatible and Longâ€Time Nerve Imaging. Particle and Particle Systems Characterization, 2021, 38, 2100001.	1.2	6
17	Chitosan Nanococktails Containing Both Ceria and Superparamagnetic Iron Oxide Nanoparticles for Reactive Oxygen Species-Related Theranostics. ACS Applied Nano Materials, 2021, 4, 3604-3618.	2.4	31
18	Amphiphilic Perfluoropolyether Copolymers for the Effective Removal of Polyfluoroalkyl Substances from Aqueous Environments. Macromolecules, 2021, 54, 3447-3457.	2.2	18

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19	Sustained release ketamine-loaded porous silicon-PLGA microparticles prepared by an optimized supercritical CO2 process. Drug Delivery and Translational Research, 2021, , 1.	3.0	3
20	Photo/Thermal Dual Responses in Aqueous-Soluble Copolymers Containing 1-Naphthyl Methacrylate. Macromolecules, 2021, 54, 4860-4870.	2.2	5
21	Inhibition of Amyloid Aggregation and Toxicity with Janus Iron Oxide Nanoparticles. Chemistry of Materials, 2021, 33, 6484-6500.	3.2	25
22	Cellulose nanocrystals reinforced highly stretchable thermal-sensitive hydrogel with ultra-high drug loading. Carbohydrate Polymers, 2021, 266, 118122.	5.1	33
23	Emergence of Hexagonally Close-Packed Spheres in Linear Block Copolymer Melts. Journal of the American Chemical Society, 2021, 143, 14106-14114.	6.6	36
24	Anti-thrombogenic Surface Coatings for Extracorporeal Membrane Oxygenation: A Narrative Review. ACS Biomaterials Science and Engineering, 2021, 7, 4402-4419.	2.6	39
25	An Injectable Hydrogel for Simultaneous Photothermal Therapy and Photodynamic Therapy with Ultrahigh Efficiency Based on Carbon Dots and Modified Cellulose Nanocrystals. Advanced Functional Materials, 2021, 31, 2106079.	7.8	69
26	Strong, Ultrafast, Reprogrammable Hydrogel Actuators with Muscle-Mimetic Aligned Fibrous Structures. Chemistry of Materials, 2021, 33, 7818-7828.	3.2	49
27	Optimisation of a Microfluidic Method for the Delivery of a Small Peptide. Pharmaceutics, 2021, 13, 1505.	2.0	3
28	Influence of surface oxidation on the quantification of polypropylene microplastics by pyrolysis gas chromatography mass spectrometry. Science of the Total Environment, 2021, 796, 148835.	3.9	25
29	Facile bioinspired synthesis of iron oxide encapsulating silica nanocapsules. Journal of Colloid and Interface Science, 2021, 601, 78-84.	5.0	18
30	Recent Advances in the Development of Theranostic Nanoparticles for Cardiovascular Diseases. Nanotheranostics, 2021, 5, 499-514.	2.7	34
31	Tuning the thermoresponsive properties of PEG-based fluorinated polymers and stimuli responsive drug release for switchable ¹⁹F magnetic resonance imaging. Polymer Chemistry, 2021, 12, 5438-5448.	1.9	5
32	Engineering chitosan nano-cocktail containing iron oxide and ceria: A two-in-one approach for treatment of inflammatory diseases and tracking of material delivery. Materials Science and Engineering C, 2021, 131, 112477.	3.8	17
33	Sustained-release ketamine-loaded lipid-particulate system: in vivo assessment in mice. Drug Delivery and Translational Research, 2021, , 1.	3.0	0
34	Dendronized polydiacetylenes via photo-polymerization of supramolecular assemblies showing thermally tunable chirality. Chemical Communications, 2021, 57, 12780-12783.	2.2	6
35	Thermoresponsive Supramolecular Assemblies from Dendronized Amphiphiles To Form Fluorescent Spheres with Tunable Chirality. ACS Nano, 2021, 15, 20067-20078.	7.3	16
36	Carbon dots embedded metal organic framework @ chitosan core-shell nanoparticles for vitro dual mode imaging and pH-responsive drug delivery. Microporous and Mesoporous Materials, 2020, 293, 109775.	2.2	41

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37	Red fluorescent AuNDs with conjugation of cholera toxin subunit B (CTB) for extended-distance retro-nerve transporting and long-time neural tracing. Acta Biomaterialia, 2020, 102, 394-402.	4.1	19
38	Use of Microfluidics to Fabricate Bioerodable Lipid Hybrid Nanoparticles Containing Hydromorphone or Ketamine for the Relief of Intractable Pain. Pharmaceutical Research, 2020, 37, 211.	1.7	9
39	Functional polymers as metal-free magnetic resonance imaging contrast agents. Progress in Polymer Science, 2020, 108, 101286.	11.8	25
40	â€œDual-Key-and-Lockâ€•dual drug carrier for dual mode imaging guided chemo-photothermal therapy. Biomaterials Science, 2020, 8, 6212-6224.	2.6	6
41	The Impact of Polymer Size and Cleavability on the Intravenous Pharmacokinetics of PEG-Based Hyperbranched Polymers in Rats. Nanomaterials, 2020, 10, 2452.	1.9	8
42	Sulfoxideâ€Containing Polymerâ€Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. Advanced Science, 2020, 7, 2000406.	5.6	43
43	Rapid Generation of Block Copolymer Libraries Using Automated Chromatographic Separation. Journal of the American Chemical Society, 2020, 142, 9843-9849.	6.6	25
44	Synthesis of 4-acetoxystyrene â€“ t-butyl acrylate statistical, block and gradient copolymers, and the effect of the structure of copolymers on their properties. European Polymer Journal, 2020, 134, 109772.	2.6	8
45	Tuning of the Aggregation Behavior of Fluorinated Polymeric Nanoparticles for Improved Therapeutic Efficacy. ACS Nano, 2020, 14, 7425-7434.	7.3	31
46	Proteins Conjugated with Sulfoxide-Containing Polymers Show Reduced Macrophage Cellular Uptake and Improved Pharmacokinetics. ACS Macro Letters, 2020, 9, 799-805.	2.3	30
47	Comparative study of preclinical mouse models of high-grade glioma for nanomedicine research: the importance of reproducing blood-brain barrier heterogeneity. Theranostics, 2020, 10, 6361-6371.	4.6	27
48	Sodium-Ion Storage Mechanism in Triquinoxalinylene and a Strategy for Improving Electrode Stability. Energy & Fuels, 2020, 34, 5099-5105.	2.5	12
49	Ultrasensitive Magnetic Tuning of Optical Properties of Films of Cholesteric Cellulose Nanocrystals. ACS Nano, 2020, 14, 9440-9448.	7.3	53
50	Lowâ€Fouling Fluoropolymers for Bioconjugation and Inâ€…Vivo Tracking. Angewandte Chemie, 2020, 132, 4759-4765.	1.6	22
51	Lowâ€Fouling Fluoropolymers for Bioconjugation and Inâ€…Vivo Tracking. Angewandte Chemie - International Edition, 2020, 59, 4729-4735.	7.2	40
52	MR-guided focused ultrasound increases antibody delivery to nonenhancing high-grade glioma. Neuro-Oncology Advances, 2020, 2, vdaa030.	0.4	13
53	Sustained-release ketamine-loaded nanoparticles fabricated by sequential nanoprecipitation. International Journal of Pharmaceutics, 2020, 581, 119291.	2.6	36
54	Bioinspired Coreâ€“Shell Nanoparticles for Hydrophobic Drug Delivery. Angewandte Chemie, 2019, 131, 14495-14502.	1.6	18

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55	Ultrasound-triggered release from metal shell microcapsules. Journal of Colloid and Interface Science, 2019, 554, 444-452.	5.0	19
56	Integrating Fluorinated Polymer and Manganeseâ€Layered Double Hydroxide Nanoparticles as pHâ€activated ¹⁹F MRI Agents for Specific and Sensitive Detection of Breast Cancer. Small, 2019, 15, e1902309.	5.2	49
57	Bioinspired Coreâ€“Shell Nanoparticles for Hydrophobic Drug Delivery. Angewandte Chemie - International Edition, 2019, 58, 14357-14364.	7.2	85
58	Spatial arrangement of block copolymer nanopatterns using a photoactive homopolymer substrate. Nanoscale Advances, 2019, 1, 3078-3085.	2.2	11
59	Magnetic and Photocatalytic Curcumin Bound Carbon Nitride Nanohybrids for Enhanced Glioma Cell Death. ACS Biomaterials Science and Engineering, 2019, 5, 6590-6601.	2.6	18
60	Moisture-activated dynamics on crystallite surfaces in cellulose. Colloid and Polymer Science, 2019, 297, 521-527.	1.0	3
61	Gradient copolymers â€“ Preparation, properties and practice. European Polymer Journal, 2019, 116, 394-414.	2.6	38
62	Fluorinated Glycopolymers as Reduction-responsive ¹⁹F MRI Agents for Targeted Imaging of Cancer. Biomacromolecules, 2019, 20, 2043-2050.	2.6	35
63	Bioerodable Ketamine-Loaded Microparticles Fabricated Using Dissolvable Hydrogel Template Technology. Journal of Pharmaceutical Sciences, 2019, 108, 1220-1226.	1.6	7
64	Multifunctional drug carrier on the basis of 3dâ€“4f Fe/La-MOFs for drug delivery and dual-mode imaging. Journal of Materials Chemistry B, 2019, 7, 6612-6622.	2.9	30
65	Antimicrobial anilinium polymers: The properties of poly(N , N â€dimethylaminophenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.5	6
66	Sustained-Release Hydromorphone Microparticles Produced by Supercritical Fluid Polymer Encapsulation. Journal of Pharmaceutical Sciences, 2019, 108, 811-814.	1.6	13
67	Importance of Thermally Induced Aggregation on ¹⁹F Magnetic Resonance Imaging of Perfluoropolyether-Based Comb-Shaped Poly(2-oxazoline)s. Biomacromolecules, 2019, 20, 365-374.	2.6	36
68	A unique ¹⁹F MRI agent for the tracking of non phagocytic cells in vivo. Nanoscale, 2018, 10, 8226-8239.	2.8	42
69	Pyromellitic dianhydride-based polyimide anodes for sodium-ion batteries. Electrochimica Acta, 2018, 265, 702-708.	2.6	43
70	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
71	Effect of changes in the surface chemistry and topography of poly(2-hydroxyethyl methacrylate) on the in vitro attachment of human corneal epithelial cells. Journal of Bioactive and Compatible Polymers, 2018, 33, 321-331.	0.8	1
72	Healing surface roughness of lithographic nanopatterns through sub-10 nm aqueous-dispersible polymeric particles with excellent dry etch durability. Molecular Systems Design and Engineering, 2018, 3, 627-635.	1.7	7

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73	Controllable synthesis of up-conversion nanoparticles UCNPs@MIL-PEG for pH-responsive drug delivery and potential up-conversion luminescence/magnetic resonance dual-mode imaging. Journal of Alloys and Compounds, 2018, 749, 939-947.	2.8	45
74	A two-step synthesis for preparing metal microcapsules with a biodegradable polymer substrate. Journal of Materials Chemistry B, 2018, 6, 2151-2158.	2.9	9
75	The effects of particle size, shape, density and flow characteristics on particle margination to vascular walls in cardiovascular diseases. Expert Opinion on Drug Delivery, 2018, 15, 33-45.	2.4	77
76	Cyclotriphosphazene, a scaffold for 19 F MRI contrast agents. Tetrahedron Letters, 2018, 59, 521-523.	0.7	11
77	Polymer Electrode Materials for Sodium-ion Batteries. Materials, 2018, 11, 2567.	1.3	45
78	Tailored Polyimideâ€“Graphene Nanocomposite as Negative Electrode and Reduced Graphene Oxide as Positive Electrode for Flexible Hybrid Sodium-Ion Capacitors. ACS Applied Materials & Interfaces, 2018, 10, 43730-43739.	4.0	45
79	Formulation of Bioerodible Ketamine Microparticles as an Analgesic Adjuvant Treatment Produced by Supercritical Fluid Polymer Encapsulation. Pharmaceutics, 2018, 10, 264.	2.0	8
80	The potential for remodelling the tumour vasculature in glioblastoma. Advanced Drug Delivery Reviews, 2018, 136-137, 49-61.	6.6	15
81	Bioconjugation and Fluorescence Labeling of Iron Oxide Nanoparticles Grafted with Bromomaleimide-Terminal Polymers. Biomacromolecules, 2018, 19, 4423-4429.	2.6	32
82	3D shape change of multi-responsive hydrogels based on a light-programmed gradient in volume phase transition. Chemical Communications, 2018, 54, 10909-10912.	2.2	28
83	Minimum information reporting in bioâ€“nano experimental literature. Nature Nanotechnology, 2018, 13, 777-785.	15.6	455
84	Novel iron oxideâ€“cerium oxide coreâ€“shell nanoparticles as a potential theranostic material for ROS related inflammatory diseases. Journal of Materials Chemistry B, 2018, 6, 4937-4951.	2.9	67
85	In Situ Techniques for Developing Robust Liâ€“S Batteries. Small Methods, 2018, 2, 1800133.	4.6	41
86	Activatable magnetic resonance nanosensor as a potential imaging agent for detecting and discriminating thrombosis. Nanoscale, 2018, 10, 15103-15115.	2.8	46
87	Enhanced Performance of Polymeric ¹⁹F MRI Contrast Agents through Incorporation of Highly Water-Soluble Monomer MSEA. Macromolecules, 2018, 51, 5875-5882.	2.2	50
88	Elucidating the Impact of Molecular Structure on the ¹⁹F NMR Dynamics and MRI Performance of Fluorinated Oligomers. ACS Macro Letters, 2018, 7, 921-926.	2.3	30
89	Controlled synthesis of up-conversion luminescent Gd/Tm-MOFs for pH-responsive drug delivery and UCL/MRI dual-modal imaging. Dalton Transactions, 2018, 47, 11253-11263.	1.6	34
90	High F-Content Perfluoropolyether-Based Nanoparticles for Targeted Detection of Breast Cancer by ¹⁹F Magnetic Resonance and Optical Imaging. ACS Nano, 2018, 12, 9162-9176.	7.3	98

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91	Multifunctional Magnetized Porous Silica Covered with Poly(2-dimethylaminoethyl methacrylate) for pH Controllable Drug Release and Magnetic Resonance Imaging. ACS Applied Nano Materials, 2018, 1, 5027-5034.	2.4	23
92	A hybrid sodium-ion capacitor with polyimide as anode and polyimide-derived carbon as cathode. Journal of Power Sources, 2018, 396, 12-18.	4.0	51
93	Reactivity Ratios and Sequence Distribution Characterization by Quantitative ¹³C NMR for RAFT Synthesis of Styreneâ€Acrylonitrile Copolymers. Journal of Polymer Science Part A, 2017, 55, 919-927.	2.5	13
94	Electrospinning and mechanical properties of P(TMC-co-LLA) elastomers. Journal of Materials Chemistry B, 2017, 5, 2263-2272.	2.9	10
95	Molecular imaging of activated platelets via antibody-targeted ultra-small iron oxide nanoparticles displaying unique dual MRI contrast. Biomaterials, 2017, 134, 31-42.	5.7	78
96	Aqueous solution behaviour of novel water-soluble amphiphilic copolymers with elevated hydrophobic unit content. Polymer Chemistry, 2017, 8, 4114-4123.	1.9	17
97	Polymerization-Induced Self-Assembly (PISA) - Control over the Morphology of ¹⁹F-Containing Polymeric Nano-objects for Cell Uptake and Tracking. Biomacromolecules, 2017, 18, 1145-1156.	2.6	86
98	Synthesis of aliphatic polycarbonates with a tuneable thermal response. Polymer Chemistry, 2017, 8, 5082-5090.	1.9	21
99	Hydrogels with Lotus Leaf Topography: Investigating Surface Properties and Cell Adhesion. Langmuir, 2017, 33, 485-493.	1.6	28
100	Effects of magnetic field strength and particle aggregation on relaxivity of ultra-small dual contrast iron oxide nanoparticles. Materials Research Express, 2017, 4, 116105.	0.8	38
101	Self-confirming molecular imaging of activated platelets via iron oxide nanoparticles displaying unique dual MRI contrast. Atherosclerosis, 2017, 263, e146.	0.4	14
102	Controllable synthesis of a novel magnetic coreâ€“shell nanoparticle for dual-modal imaging and pH-responsive drug delivery. Nanotechnology, 2017, 28, 495101.	1.3	14
103	PFPE-Based Polymeric ¹⁹F MRI Agents: A New Class of Contrast Agents with Outstanding Sensitivity. Macromolecules, 2017, 50, 5953-5963.	2.2	61
104	Localised delivery of doxorubicin to prostate cancer cells through a PSMA-targeted hyperbranched polymer theranostic. Biomaterials, 2017, 141, 330-339.	5.7	68
105	Synthesis and post-polymerisation ligations of PEG-based hyperbranched polymers for RNA conjugation via reversible disulfide linkage. Macromolecular Research, 2017, 25, 599-614.	1.0	3
106	Nanoparticle-mediated local depletion of tumour-associated platelets disrupts vascular barriers and augments drug accumulation in tumours. Nature Biomedical Engineering, 2017, 1, 667-679.	11.6	132
107	Polymeric ¹⁹F MRI agents responsive to reactive oxygen species. Polymer Chemistry, 2017, 8, 4585-4595.	1.9	57
108	Biocidal Polymers: A Mechanistic Overview. Polymer Reviews, 2017, 57, 276-310.	5.3	52

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109	Bioerodable PLGA-Based Microparticles for Producing Sustained-Release Drug Formulations and Strategies for Improving Drug Loading. Frontiers in Pharmacology, 2016, 7, 185.	1.6	255
110	The chemistry and application of nonchemically amplified (non-CA) chain-scission resists. Frontiers of Nanoscience, 2016, 11, 193-210.	0.3	0
111	Facile Synthesis of Largeâ€Pore Bicontinuous Cubic Mesoporous Silica Nanoparticles for Intracellular Gene Delivery. ChemNanoMat, 2016, 2, 220-225.	1.5	24
112	Fluorinated POSSâ€Star Polymers for ¹⁹F MRI. Macromolecular Chemistry and Physics, 2016, 217, 2262-2274.	1.1	19
113	The evolution of gadolinium based contrast agents: from single-modality to multi-modality. Nanoscale, 2016, 8, 10491-10510.	2.8	66
114	The influence of casting parameters on the surface morphology of PSâ€b â€P4VP honeycomb films. Journal of Polymer Science Part A, 2016, 54, 3721-3732.	2.5	8
115	Synthesis, swelling, degradation and cytocompatibility of crosslinked PLLA-PEG-PLLA networks with short PLLA blocks. European Polymer Journal, 2016, 84, 448-464.	2.6	10
116	Spectral normalisation by error minimisation for prediction of conversion in solvent-free catalytic chain transfer polymerisations. RSC Advances, 2016, 6, 69484-69491.	1.7	3
117	Functional magnetic porous silica forT₁â€“T₂dual-modal magnetic resonance imaging and pH-responsive drug delivery of basic drugs. Nanotechnology, 2016, 27, 485702.	1.3	14
118	Ion-Responsive ¹⁹F MRI Contrast Agents for the Detection of Cancer Cells. ACS Sensors, 2016, 1, 757-765.	4.0	53
119	Conformation Transitions of Thermoresponsive Dendronized Polymers across the Lower Critical Solution Temperature. Macromolecules, 2016, 49, 900-908.	2.2	32
120	Multifunctional hyperbranched polymers for CT/¹⁹F MRI bimodal molecular imaging. Polymer Chemistry, 2016, 7, 1059-1069.	1.9	28
121	Control through monomer placement of surface properties and morphology of fluoromethacrylate copolymers. Journal of Polymer Science Part A, 2015, 53, 2633-2641.	2.5	7
122	Terpolymerization of Styrenic Photoresist Polymers: Effect of RAFT Polymerization on the Compositional Heterogeneity. Macromolecules, 2015, 48, 3438-3448.	2.2	7
123	Tensile properties and in vitro degradation of P(TMC-co-LLA) elastomers. Journal of Materials Chemistry B, 2015, 3, 4406-4416.	2.9	11
124	Segmented Highly Branched Copolymers: Rationally Designed Macromolecules for Improved and Tunable ¹⁹F MRI. Biomacromolecules, 2015, 16, 2827-2839.	2.6	50
125	Conformation of Hydrophobically Modified Thermoresponsive Poly(OEGMA-co-TFEA) across the LCST Revealed by NMR and Molecular Dynamics Studies. Macromolecules, 2015, 48, 3310-3317.	2.2	38
126	Novel Polymeric Bioerodable Microparticles for Prolonged-Release Intrathecal Delivery of Analgesic Agents for Relief of Intractable Cancer-Related Pain. Journal of Pharmaceutical Sciences, 2015, 104, 2334-2344.	1.6	23

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127	Evaluation of Polymeric Nanomedicines Targeted to PSMA: Effect of Ligand on Targeting Efficiency. Biomacromolecules, 2015, 16, 3235-3247.	2.6	38
128	Polymeric <scp>siRNA</scp> delivery vectors: knocking down cancers with polymericâ€based gene delivery systems. Journal of Chemical Technology and Biotechnology, 2015, 90, 1196-1208.	1.6	14
129	Change in molecular structure and dynamics of protein in milk protein concentrate powder upon ageing by solid-state carbon NMR. Food Hydrocolloids, 2015, 44, 66-70.	5.6	19
130	NMR investigation of effect of dissolved salts on the thermoresponsive behavior of oligo(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	39
131	Development of a polymer theranostic for prostate cancer. Polymer Chemistry, 2014, 5, 6932-6942.	1.9	53
132	Click functionalization of methacrylate-based hydrogels and their cellular response. Journal of Polymer Science Part A, 2014, 52, 1781-1789.	2.5	9
133	Coordination complexes as molecular glue for immobilization of antibodies on cyclic olefin copolymer surfaces. Analytical Biochemistry, 2014, 456, 6-13.	1.1	19
134	Multimodal Polymer Nanoparticles with Combined ¹⁹F Magnetic Resonance and Optical Detection for Tunable, Targeted, Multimodal Imaging in Vivo. Journal of the American Chemical Society, 2014, 136, 2413-2419.	6.6	160
135	Self-assembled magnetic luminescent hybrid micelles containing rare earth Eu for dual-modality MR and optical imaging. Journal of Materials Chemistry B, 2014, 2, 546-555.	2.9	17
136	Understanding the Diffusion of Dextrans in â€˜Click' PNIPAAm Hydrogels. Australian Journal of Chemistry, 2014, 67, 85.	0.5	0
137	Tailoring the Void Size of Iron Oxide@Carbon Yolkâ€“Shell Structure for Optimized Lithium Storage. Advanced Functional Materials, 2014, 24, 4337-4342.	7.8	212
138	Behavior of Lamellar Forming Block Copolymers under Nanoconfinement: Implications for Topography Directed Self-Assembly of Sub-10 nm Structures. Macromolecules, 2014, 47, 276-283.	2.2	25
139	PEG-Based Hyperbranched Polymer Theranostics: Optimizing Chemistries for Improved Bioconjugation. Macromolecules, 2014, 47, 5211-5219.	2.2	30
140	Synthesis and Characterization of a POSS-PEG Macromonomer and POSS-PEG-PLA Hydrogels for Periodontal Applications. Biomacromolecules, 2014, 15, 666-679.	2.6	45
141	Photodegradation of some lowâ€density polyethyleneâ€“montmorillonite nanocomposites containing an oligomeric compatibilizer. Journal of Applied Polymer Science, 2014, 131, .	1.3	3
142	Biodegradable core crosslinked star polymer nanoparticles as¹⁹F MRI contrast agents for selective imaging. Polymer Chemistry, 2014, 5, 1760-1771.	1.9	66
143	Characteristics of starch-based films plasticised by glycerol and by the ionic liquid 1-ethyl-3-methylimidazolium acetate: A comparative study. Carbohydrate Polymers, 2014, 111, 841-848.	5.1	69
144	Photo-initiated thiol-ene â€œclickâ€•hydrogels from RAFT-synthesized poly(N -isopropylacrylamide). Journal of Polymer Science Part A, 2013, 51, 4626-4636.	2.5	17

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145	FT-IR characterization and hydrolysis of PLA-PEG-PLA based copolyester hydrogels with short PLA segments and a cytocompatibility study. Journal of Polymer Science Part A, 2013, 51, 5163-5176.	2.5	40
146	â€œClickâ€•PNIPAAm hydrogels â€“ a comprehensive study of structure and properties. Polymer Chemistry, 2013, 4, 4788.	1.9	22
147	Electrospinning and crosslinking of low-molecular-weight poly(trimethylene carbonate-co-l-lactide) as an elastomeric scaffold for vascular engineering. Acta Biomaterialia, 2013, 9, 6885-6897.	4.1	71
148	pH-responsive star polymer nanoparticles: potential 19F MRI contrast agents for tumour-selective imaging. Polymer Chemistry, 2013, 4, 4480.	1.9	66
149	Using Directed Self Assembly of Block Copolymer Nanostructures to Modulate Nanoscale Surface Roughness: Towards a Novel Lithographic Process. Advanced Functional Materials, 2013, 23, 173-183.	7.8	19
150	Healing LER using directed self assembly: treatment of EUVL resists with aqueous solutions of block copolymers. Proceedings of SPIE, 2013, , .	0.8	1
151	EUVL compatible LER solutions using functional block copolymers. Proceedings of SPIE, 2012, , .	0.8	5
152	Hyperbranched polymers for molecular imaging: designing polymers for parahydrogen induced polarisation (PHIP). Chemical Communications, 2012, 48, 1583-1585.	2.2	31
153	Effect of Solvent Quality on the Solution Properties of Assemblies of Partially Fluorinated Amphiphilic Diblock Copolymers. Macromolecules, 2012, 45, 8681-8690.	2.2	28
154	Hydrophilic and Amphiphilic Polyethylene Glycol-Based Hydrogels with Tunable Degradability Prepared by â€œClickâ€•Chemistry. Biomacromolecules, 2012, 13, 4012-4021.	2.6	96
155	The role of residual Cu(ii) from click-chemistry in the catalyzed hydrolysis of Boltorn polyester-based hydrogels. Soft Matter, 2012, 8, 435-445.	1.2	10
156	The influence of composition on the physical properties of PLA-PEG-PLA-co-Boltorn based polyester hydrogels and their biological performance. Journal of Materials Chemistry, 2012, 22, 6994.	6.7	14
157	Control of the Orientation of Symmetric Poly(styrene)-block-poly(<scp>d</scp>,<scp>l</scp>-lactide) Block Copolymers Using Statistical Copolymers of Dissimilar Composition. Langmuir, 2012, 28, 15876-15888.	1.6	53
158	Synthesis of a new hyperbranched, vinyl macromonomer through the use of click chemistry: Synthesis and characterization of copolymer hydrogels with PEG diacrylate. Journal of Polymer Science Part A, 2012, 50, 1143-1157.	2.5	13
159	Hyperbranched polymers as delivery vectors for oligonucleotides. Journal of Polymer Science Part A, 2012, 50, 2585-2595.	2.5	42
160	Aqueous developable dual switching photoresists for nanolithography. Journal of Polymer Science Part A, 2012, 50, 4255-4265.	2.5	19
161	Electrochemical DNA biosensor based on ILâ€modified MWNTs electrode prepared by radiationâ€induced graft polymerization. Journal of Applied Polymer Science, 2012, 126, E28.	1.3	9
162	Kinetics of enthalpy relaxation of milk protein concentrate powder upon ageing and its effect on solubility. Food Chemistry, 2012, 134, 1368-1373.	4.2	25

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