

# Andrew Keith Whittaker

## List of Publications by Year in descending order

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360  
papers

12,309  
citations

31902

53  
h-index

46693

89  
g-index

366  
all docs

366  
docs citations

366  
times ranked

13972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Study of Surface Chemistry of MCM-41 Using $^{29}\text{Si}$ CP/MAS NMR, FTIR, Pyridine-TPD, and TGA. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6525-6531.	1.2	679
2	Minimum information reporting in bio-nano experimental literature. <i>Nature Nanotechnology</i> , 2018, 13, 777-785.	15.6	455
3	A Method for Estimating the Nature and Relative Proportions of Amorphous, Single, and Double-Helical Components in Starch Granules by $^{13}\text{C}$ CP/MAS NMR. <i>Biomacromolecules</i> , 2007, 8, 885-891.	2.6	337
4	High energy radiation grafting of fluoropolymers. <i>Progress in Polymer Science</i> , 2003, 28, 1355-1376.	11.8	330
5	Bioerodable PLGA-Based Microparticles for Producing Sustained-Release Drug Formulations and Strategies for Improving Drug Loading. <i>Frontiers in Pharmacology</i> , 2016, 7, 185.	1.6	255
6	Tailoring the Void Size of Iron Oxide@Carbon Yolk-Shell Structure for Optimized Lithium Storage. <i>Advanced Functional Materials</i> , 2014, 24, 4337-4342.	7.8	212
7	Solution Properties of Star and Linear Poly(N-isopropylacrylamide). <i>Macromolecules</i> , 2006, 39, 8379-8388.	2.2	179
8	Biological Utility of Fluorinated Compounds: from Materials Design to Molecular Imaging, Therapeutics and Environmental Remediation. <i>Chemical Reviews</i> , 2022, 122, 167-208.	23.0	172
9	Functional Hyperbranched Polymers: Toward Targeted <i>in Vivo</i> $^{19}\text{F}$ Magnetic Resonance Imaging Using Designed Macromolecules. <i>Journal of the American Chemical Society</i> , 2010, 132, 5336-5337.	6.6	168
10	Structure and Orientation of the Pore-forming Peptide Melittin, in Lipid Bilayers. <i>Journal of Molecular Biology</i> , 1994, 241, 456-466.	2.0	165
11	Multimodal Polymer Nanoparticles with Combined $^{19}\text{F}$ Magnetic Resonance and Optical Detection for Tunable, Targeted, Multimodal Imaging <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2014, 136, 2413-2419.	6.6	160
12	Rehydration process of milk protein concentrate powder monitored by static light scattering. <i>Food Hydrocolloids</i> , 2009, 23, 1958-1965.	5.6	150
13	Investigation of the microstructure of milk protein concentrate powders during rehydration: Alterations during storage. <i>Journal of Dairy Science</i> , 2010, 93, 463-472.	1.4	137
14	Nanoparticle-mediated local depletion of tumour-associated platelets disrupts vascular barriers and augments drug accumulation in tumours. <i>Nature Biomedical Engineering</i> , 2017, 1, 667-679.	11.6	132
15	The chemistry of novolac resins: 3. $^{13}\text{C}$ and $^{15}\text{N}$ n.m.r. studies of curing with hexamethylenetetramine. <i>Polymer</i> , 1997, 38, 5835-5848.	1.8	116
16	Structure of calcium aluminate sulfate $\text{Ca}_4\text{Al}_6\text{O}_{16}\text{S}$ . <i>Journal of Solid State Chemistry</i> , 1995, 119, 1-7.	1.4	107
17	Synthesis of Gadolinium-Labeled Shell-Crosslinked Nanoparticles for Magnetic Resonance Imaging Applications. <i>Advanced Functional Materials</i> , 2005, 15, 1248-1254.	7.8	99
18	Ultrasound evaluation of polymer gel dosimeters. <i>Physics in Medicine and Biology</i> , 2002, 47, 1449-1458.	1.6	98

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19	High F-Content Perfluoropolyether-Based Nanoparticles for Targeted Detection of Breast Cancer by <sup>19</sup> F Magnetic Resonance and Optical Imaging. <i>ACS Nano</i> , 2018, 12, 9162-9176.	7.3	98
20	Hydrophilic and Amphiphilic Polyethylene Glycol-Based Hydrogels with Tunable Degradability Prepared by "Click" Chemistry. <i>Biomacromolecules</i> , 2012, 13, 4012-4021.	2.6	96
21	Ultra-stable all-solid-state sodium metal batteries enabled by perfluoropolyether-based electrolytes. <i>Nature Materials</i> , 2022, 21, 1057-1065.	13.3	92
22	The relationship between radiation-induced chemical processes and transverse relaxation times in polymer gel dosimeters. <i>Physics in Medicine and Biology</i> , 2001, 46, 1061-1074.	1.6	90
23	Synthesis and Evaluation of Partly Fluorinated Block Copolymers as MRI Imaging Agents. <i>Biomacromolecules</i> , 2009, 10, 374-381.	2.6	88
24	Polymerization-Induced Self-Assembly (PISA) - Control over the Morphology of <sup>19</sup> F-Containing Polymeric Nano-objects for Cell Uptake and Tracking. <i>Biomacromolecules</i> , 2017, 18, 1145-1156.	2.6	86
25	Bioinspired Core-Shell Nanoparticles for Hydrophobic Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14357-14364.	7.2	85
26	<sup>13</sup> C-NMR, <sup>1</sup> H-NMR, and FT-Raman study of radiation-induced modifications in radiation dosimetry polymer gels. <i>Journal of Applied Polymer Science</i> , 2001, 79, 1572-1581.	1.3	82
27	Investigation of ultrasonic properties of PAG and MAGIC polymer gel dosimeters. <i>Physics in Medicine and Biology</i> , 2002, 47, 4397-4409.	1.6	80
28	Molecular imaging of activated platelets via antibody-targeted ultra-small iron oxide nanoparticles displaying unique dual MRI contrast. <i>Biomaterials</i> , 2017, 134, 31-42.	5.7	78
29	The effects of particle size, shape, density and flow characteristics on particle margination to vascular walls in cardiovascular diseases. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 33-45.	2.4	77
30	An electron spin resonance study on <sup>13</sup> C-irradiated poly(L-lactic acid) and poly(D,L-lactic acid). <i>Polymer Degradation and Stability</i> , 1995, 50, 297-304.	2.7	73
31	Electrospinning and crosslinking of low-molecular-weight poly(trimethylene carbonate-co-L-lactide) as an elastomeric scaffold for vascular engineering. <i>Acta Biomaterialia</i> , 2013, 9, 6885-6897.	4.1	71
32	Molecular weight changes and scission and crosslinking in poly(dimethyl siloxane) on gamma radiolysis. <i>Radiation Physics and Chemistry</i> , 2001, 62, 11-17.	1.4	70
33	Effect of Impurities in Cumyl Dithiobenzoate on RAFT-Mediated Polymerizations. <i>Macromolecules</i> , 2005, 38, 5352-5355.	2.2	69
34	Characteristics of starch-based films plasticised by glycerol and by the ionic liquid 1-ethyl-3-methylimidazolium acetate: A comparative study. <i>Carbohydrate Polymers</i> , 2014, 111, 841-848.	5.1	69
35	An Injectable Hydrogel for Simultaneous Photothermal Therapy and Photodynamic Therapy with Ultrahigh Efficiency Based on Carbon Dots and Modified Cellulose Nanocrystals. <i>Advanced Functional Materials</i> , 2021, 31, 2106079.	7.8	69
36	Localised delivery of doxorubicin to prostate cancer cells through a PSMA-targeted hyperbranched polymer theranostic. <i>Biomaterials</i> , 2017, 141, 330-339.	5.7	68

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37	Determination of T1ρH Relaxation Rates in Charred and Uncharred Wood and Consequences for NMR Quantitation. <i>Solid State Nuclear Magnetic Resonance</i> , 2002, 22, 50-70.	1.5	67
38	Rehydration of high-protein-containing dairy powder: Slow- and fast-dissolving components and storage effects. <i>Dairy Science and Technology</i> , 2010, 90, 335-344.	2.2	67
39	Novel iron oxide@cerium oxide core-shell nanoparticles as a potential theranostic material for ROS related inflammatory diseases. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4937-4951.	2.9	67
40	pH-responsive star polymer nanoparticles: potential 19F MRI contrast agents for tumour-selective imaging. <i>Polymer Chemistry</i> , 2013, 4, 4480.	1.9	66
41	Biodegradable core crosslinked star polymer nanoparticles as 19F MRI contrast agents for selective imaging. <i>Polymer Chemistry</i> , 2014, 5, 1760-1771.	1.9	66
42	The evolution of gadolinium based contrast agents: from single-modality to multi-modality. <i>Nanoscale</i> , 2016, 8, 10491-10510.	2.8	66
43	Analysis of lipoproteins using 2D diffusion-edited NMR spectroscopy and multi-way chemometrics. <i>Analytica Chimica Acta</i> , 2005, 531, 209-216.	2.6	64
44	Ultrasonic absorption in polymer gel dosimeters. <i>Ultrasonics</i> , 2003, 41, 551-559.	2.1	61
45	Cross-Linked Poly(trimethylene carbonate-co-lactide) as a Biodegradable, Elastomeric Scaffold for Vascular Engineering Applications. <i>Biomacromolecules</i> , 2011, 12, 3856-3869.	2.6	61
46	PFPE-Based Polymeric 19F MRI Agents: A New Class of Contrast Agents with Outstanding Sensitivity. <i>Macromolecules</i> , 2017, 50, 5953-5963.	2.2	61
47	NMR study of the gamma radiolysis of poly(dimethyl siloxane) under vacuum at 303 K. <i>Polymer</i> , 2002, 43, 1051-1059.	1.8	60
48	The behavior of aged regenerated Bombyx mori silk fibroin solutions studied by 1H NMR and rheology. <i>Biomaterials</i> , 2008, 29, 4268-4274.	5.7	59
49	Protein Conformational Modifications and Kinetics of Water-Protein Interactions in Milk Protein Concentrate Powder upon Aging: Effect on Solubility. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7748-7755.	2.4	58
50	Polymeric 19F MRI agents responsive to reactive oxygen species. <i>Polymer Chemistry</i> , 2017, 8, 4585-4595.	1.9	57
51	Copolymer hydrogels of 2-hydroxyethyl methacrylate with n-butyl methacrylate and cyclohexyl methacrylate: synthesis, characterization and uptake of water. <i>Polymer</i> , 2000, 41, 1287-1296.	1.8	55
52	Miscibility and Specific Interactions in Blends of Poly(4-vinylphenol) and Poly(2-ethoxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	2.2	54
53	Investigation into the Diffusion of Water into HEMA-co-MOEP Hydrogels. <i>Biomacromolecules</i> , 2004, 5, 1194-1199.	2.6	54
54	Control of the Orientation of Symmetric Poly(styrene)-b-poly(d,l-lactide) Block Copolymers Using Statistical Copolymers of Dissimilar Composition. <i>Langmuir</i> , 2012, 28, 15876-15888.	1.6	53

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55	Development of a polymer theranostic for prostate cancer. <i>Polymer Chemistry</i> , 2014, 5, 6932-6942.	1.9	53
56	Ion-Responsive <sup>19</sup> F MRI Contrast Agents for the Detection of Cancer Cells. <i>ACS Sensors</i> , 2016, 1, 757-765.	4.0	53
57	Ultrasensitive Magnetic Tuning of Optical Properties of Films of Cholesteric Cellulose Nanocrystals. <i>ACS Nano</i> , 2020, 14, 9440-9448.	7.3	53
58	The synthesis of water-soluble PHEMA via ARGET ATRP in protic media. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4084-4092.	2.5	52
59	Biocidal Polymers: A Mechanistic Overview. <i>Polymer Reviews</i> , 2017, 57, 276-310.	5.3	52
60	Surface-Functionalized Polymer Nanoparticles for Selective Sequestering of Heavy Metals. <i>Advanced Materials</i> , 2006, 18, 582-586.	11.1	51
61	A hybrid sodium-ion capacitor with polyimide as anode and polyimide-derived carbon as cathode. <i>Journal of Power Sources</i> , 2018, 396, 12-18.	4.0	51
62	Segmented Highly Branched Copolymers: Rationally Designed Macromolecules for Improved and Tunable <sup>19</sup> F MRI. <i>Biomacromolecules</i> , 2015, 16, 2827-2839.	2.6	50
63	Enhanced Performance of Polymeric <sup>19</sup> F MRI Contrast Agents through Incorporation of Highly Water-Soluble Monomer MSEA. <i>Macromolecules</i> , 2018, 51, 5875-5882.	2.2	50
64	Integrating Fluorinated Polymer and Manganese-Layered Double Hydroxide Nanoparticles as pH-activated <sup>19</sup> F MRI Agents for Specific and Sensitive Detection of Breast Cancer. <i>Small</i> , 2019, 15, e1902309.	5.2	49
65	Strong, Ultrafast, Reprogrammable Hydrogel Actuators with Muscle-Mimetic Aligned Fibrous Structures. <i>Chemistry of Materials</i> , 2021, 33, 7818-7828.	3.2	49
66	Activatable magnetic resonance nanosensor as a potential imaging agent for detecting and discriminating thrombosis. <i>Nanoscale</i> , 2018, 10, 15103-15115.	2.8	46
67	Synthesis and evaluation of partly fluorinated polyelectrolytes as components in <sup>19</sup> F MRI-detectable nanoparticles. <i>Polymer Chemistry</i> , 2010, 1, 1039.	1.9	45
68	Synthesis and Characterization of a POSS-PEG Macromonomer and POSS-PEG-PLA Hydrogels for Periodontal Applications. <i>Biomacromolecules</i> , 2014, 15, 666-679.	2.6	45
69	Controllable synthesis of up-conversion nanoparticles UCNPs@MIL-PEG for pH-responsive drug delivery and potential up-conversion luminescence/magnetic resonance dual-mode imaging. <i>Journal of Alloys and Compounds</i> , 2018, 749, 939-947.	2.8	45
70	Polymer Electrode Materials for Sodium-ion Batteries. <i>Materials</i> , 2018, 11, 2567.	1.3	45
71	Tailored Polyimide-Graphene Nanocomposite as Negative Electrode and Reduced Graphene Oxide as Positive Electrode for Flexible Hybrid Sodium-Ion Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43730-43739.	4.0	45
72	Carbon structure and porosity of carbonaceous adsorbents in relation to their adsorption properties. <i>Carbon</i> , 1999, 37, 1491-1497.	5.4	44

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73	Protein delivery using nanoparticles based on microemulsions with different structure-types. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 33, 434-444.	1.9	44
74	Molecular Motion in Miscible Polymer Blends. 1. Motion in Blends of PEO and PVPPh Studied by Solid-State $^{13}\text{C}$ NMR Measurements. <i>Macromolecules</i> , 1997, 30, 3560-3568.	2.2	43
75	$^1\text{H}$ NMR Study of the States of Water in Equilibrium Poly(HEMA-co-THFMA) Hydrogels. <i>Biomacromolecules</i> , 2002, 3, 991-997.	2.6	43
76	Pyromellitic dianhydride-based polyimide anodes for sodium-ion batteries. <i>Electrochimica Acta</i> , 2018, 265, 702-708.	2.6	43
77	Sulfoxide-Containing Polymer-Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. <i>Advanced Science</i> , 2020, 7, 2000406.	5.6	43
78	Antifouling Surfaces Enabled by Surface Grafting of Highly Hydrophilic Sulfoxide Polymer Brushes. <i>Biomacromolecules</i> , 2021, 22, 330-339.	2.6	43
79	Hyperbranched polymers as delivery vectors for oligonucleotides. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2585-2595.	2.5	42
80	A unique $^{19}\text{F}$ MRI agent for the tracking of non phagocytic cells <i>in vivo</i> . <i>Nanoscale</i> , 2018, 10, 8226-8239.	2.8	42
81	Water characteristics in cooked beef as influenced by ageing and high-pressure treatment – an NMR micro imaging study. <i>Meat Science</i> , 2004, 66, 301-306.	2.7	41
82	In Situ Techniques for Developing Robust $\text{Li}^+\text{S}$ Batteries. <i>Small Methods</i> , 2018, 2, 1800133.	4.6	41
83	Carbon dots embedded metal organic framework @ chitosan core-shell nanoparticles for <i>in vitro</i> dual mode imaging and pH-responsive drug delivery. <i>Microporous and Mesoporous Materials</i> , 2020, 293, 109775.	2.2	41
84	FT-IR characterization and hydrolysis of PLA-PEG-PLA based copolyester hydrogels with short PLA segments and a cytocompatibility study. <i>Journal of Polymer Science Part A</i> , 2013, 51, 5163-5176.	2.5	40
85	Low-Fouling Fluoropolymers for Bioconjugation and <i>In Vivo</i> Tracking. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4729-4735.	7.2	40
86	Configurational Assignments for Poly(methacrylonitrile) Using Double-Quantum-Filtered Phase-Sensitive COSY and Proton-Detected $^1\text{H}$ - $^{13}\text{C}$ Shift-Correlated NMR Spectroscopies. <i>Macromolecules</i> , 1994, 27, 1830-1834.	2.2	39
87	NMR investigation of effect of dissolved salts on the thermoresponsive behavior of oligo(ethylene) Tj ETQq1 1 0.784314 rgBTj/Overlook	2.5	39
88	Anti-thrombogenic Surface Coatings for Extracorporeal Membrane Oxygenation: A Narrative Review. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4402-4419.	2.6	39
89	Laboratory wear testing of polyurethane elastomers. <i>Wear</i> , 1997, 208, 155-160.	1.5	38
90	Water diffusion into radiation crosslinked PVA-PVP network hydrogels. <i>Radiation Physics and Chemistry</i> , 2011, 80, 213-218.	1.4	38

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91	Conformation of Hydrophobically Modified Thermoresponsive Poly(OEGMA-co-TFEA) across the LCST Revealed by NMR and Molecular Dynamics Studies. <i>Macromolecules</i> , 2015, 48, 3310-3317.	2.2	38
92	Evaluation of Polymeric Nanomedicines Targeted to PSMA: Effect of Ligand on Targeting Efficiency. <i>Biomacromolecules</i> , 2015, 16, 3235-3247.	2.6	38
93	Effects of magnetic field strength and particle aggregation on relaxivity of ultra-small dual contrast iron oxide nanoparticles. <i>Materials Research Express</i> , 2017, 4, 116105.	0.8	38
94	Overcoming Surfactant-Induced Morphology Instability of Noncrosslinked Diblock Copolymer Nano-Objects Obtained by RAFT Emulsion Polymerization. <i>ACS Macro Letters</i> , 2018, 7, 159-165.	2.3	38
95	Gradient copolymers – Preparation, properties and practice. <i>European Polymer Journal</i> , 2019, 116, 394-414.	2.6	38
96	NMR Study of the Radiation-Induced Cross-Linking of Poly(tetrafluoroethylene-co-perfluoromethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 427 Td	2.2	37
97	N.m.r. imaging of the diffusion of water into poly(tetrahydrofurfuryl methacrylate-co-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td	1.8	37
98	The radical homopolymerization of N -phenylmaleimide, N - n -hexylmaleimide and N -cyclohexylmaleimide in tetrahydrofuran. <i>Polymer</i> , 2001, 42, 4791-4802.	1.8	37
99	Amphiphilic Triblock Copolymers of Methoxy-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (glycol)-co-poly(ethylene glycol)-b-poly(ethylene glycol)-b-poly(ethylene glycol) Osteoblast Attachment and Growth. <i>Biomacromolecules</i> , 2009, 10, 95-104.	2.6	36
100	Chain scission resists for extreme ultraviolet lithography based on high performance polysulfone-containing polymers. <i>Journal of Materials Chemistry</i> , 2011, 21, 5629.	6.7	36
101	Importance of Thermally Induced Aggregation on <sup>19</sup> F Magnetic Resonance Imaging of Perfluoropolyether-Based Comb-Shaped Poly(2-oxazoline)s. <i>Biomacromolecules</i> , 2019, 20, 365-374.	2.6	36
102	Sustained-release ketamine-loaded nanoparticles fabricated by sequential nanoprecipitation. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119291.	2.6	36
103	Emergence of Hexagonally Close-Packed Spheres in Linear Block Copolymer Melts. <i>Journal of the American Chemical Society</i> , 2021, 143, 14106-14114.	6.6	36
104	Organic-Inorganic Poly(Methyl Methacrylate) Hybrids with Confined Polyhedral Oligosilsesquioxane Macromonomers. <i>Chemistry of Materials</i> , 2005, 17, 1027-1035.	3.2	35
105	Fluorinated Glycopolymers as Reduction-responsive <sup>19</sup> F MRI Agents for Targeted Imaging of Cancer. <i>Biomacromolecules</i> , 2019, 20, 2043-2050.	2.6	35
106	PFG-NMR Measurements of the Self-Diffusion Coefficients of Water in Equilibrium Poly(HEMA-co-THFMA) Hydrogels. <i>Biomacromolecules</i> , 2002, 3, 554-559.	2.6	34
107	High-Speed MAS <sup>19</sup> F NMR Analysis of an Irradiated Fluoropolymer. <i>Macromolecules</i> , 2002, 35, 5544-5549.	2.2	34
108	pH Dependence of the Progression in NMRT2Relaxation Times in Post-mortem Muscle. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4072-4078.	2.4	34

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109	Patterning of Tailored Polycarbonate Based Non-Chemically Amplified Resists Using Extreme Ultraviolet Lithography. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1449-1455.	2.0	34
110	Controlled synthesis of up-conversion luminescent Gd/Tm-MOFs for pH-responsive drug delivery and UCL/MRI dual-modal imaging. <i>Dalton Transactions</i> , 2018, 47, 11253-11263.	1.6	34
111	Recent Advances in the Development of Theranostic Nanoparticles for Cardiovascular Diseases. <i>Nanotheranostics</i> , 2021, 5, 499-514.	2.7	34
112	Cellulose nanocrystals reinforced highly stretchable thermal-sensitive hydrogel with ultra-high drug loading. <i>Carbohydrate Polymers</i> , 2021, 266, 118122.	5.1	33
113	A Reinvestigation of Low-Carnegieite by XRD, NMR, and TEM. <i>Journal of Solid State Chemistry</i> , 1993, 104, 59-73.	1.4	32
114	Development of wear-resistant thermoplastic polyurethanes by blending with poly(dimethyl siloxane). II. A packing model. <i>Journal of Applied Polymer Science</i> , 1997, 65, 939-950.	1.3	32
115	The copolymerization of N-vinyl-2-pyrrolidone with 2-hydroxyethyl methacrylate. <i>Polymer Bulletin</i> , 2002, 47, 421-427.	1.7	32
116	Conformation Transitions of Thermo-responsive Dendronized Polymers across the Lower Critical Solution Temperature. <i>Macromolecules</i> , 2016, 49, 900-908.	2.2	32
117	Bioconjugation and Fluorescence Labeling of Iron Oxide Nanoparticles Grafted with Bromomaleimide-Terminal Polymers. <i>Biomacromolecules</i> , 2018, 19, 4423-4429.	2.6	32
118	Hyperbranched polymers for molecular imaging: designing polymers for parahydrogen induced polarisation (PHIP). <i>Chemical Communications</i> , 2012, 48, 1583-1585.	2.2	31
119	Tuning of the Aggregation Behavior of Fluorinated Polymeric Nanoparticles for Improved Therapeutic Efficacy. <i>ACS Nano</i> , 2020, 14, 7425-7434.	7.3	31
120	Chitosan Nanococktails Containing Both Ceria and Superparamagnetic Iron Oxide Nanoparticles for Reactive Oxygen Species-Related Theranostics. <i>ACS Applied Nano Materials</i> , 2021, 4, 3604-3618.	2.4	31
121	A solid-state <sup>13</sup> C-NMR study of crosslinking in polybutadiene by <sup>13</sup> radiation: Effect of microstructure and dose. <i>Journal of Polymer Science Part A</i> , 1992, 30, 185-195.	2.5	30
122	The crosslinking mechanism in gamma irradiation of polyarylsulfone: evidence for Y-links. <i>Polymers for Advanced Technologies</i> , 1998, 9, 45-51.	1.6	30
123	Influence of synthesis parameters on the formation of mesoporous SAPOs. <i>Microporous and Mesoporous Materials</i> , 2002, 55, 51-62.	2.2	30
124	PEG-Based Hyperbranched Polymer Theranostics: Optimizing Chemistries for Improved Bioconjugation. <i>Macromolecules</i> , 2014, 47, 5211-5219.	2.2	30
125	Elucidating the Impact of Molecular Structure on the <sup>19</sup> F NMR Dynamics and MRI Performance of Fluorinated Oligomers. <i>ACS Macro Letters</i> , 2018, 7, 921-926.	2.3	30
126	Multifunctional drug carrier on the basis of 3d-4f Fe/La-MOFs for drug delivery and dual-mode imaging. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6612-6622.	2.9	30



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127	Proteins Conjugated with Sulfoxide-Containing Polymers Show Reduced Macrophage Cellular Uptake and Improved Pharmacokinetics. <i>ACS Macro Letters</i> , 2020, 9, 799-805.	2.3	30
128	Proton conduction mechanism and the stability of sol-gel titanium phosphates. <i>Solid State Ionics</i> , 2007, 177, 3389-3394.	1.3	29
129	The radiation degradation of a nanotube-polyimide nanocomposite. <i>Polymer Degradation and Stability</i> , 2008, 93, 169-175.	2.7	29
130	NMR as a probe of nanostructured domains in ionic liquids: Does domain segregation explain increased performance of free radical polymerisation?. <i>Chemical Science</i> , 2011, 2, 1810.	3.7	29
131	Molecular motion in nanocomposites of poly(ethylene oxide) and montmorillonite. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 1678-1685.	2.4	28
132	Equilibrium Swelling Measurements of Network and Semicrystalline Polymers in Supercritical Carbon Dioxide Using High-Pressure NMR. <i>Macromolecules</i> , 2005, 38, 3731-3737.	2.2	28
133	Multiple Hydrogen-Bonded Complexes Based on 2-Ureido-4[1H]-pyrimidinone: A Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11053-11062.	1.2	28
134	Controlled polymerisation of lactide using an organo-catalyst in supercritical carbon dioxide. <i>Green Chemistry</i> , 2011, 13, 2032.	4.6	28
135	Effect of Solvent Quality on the Solution Properties of Assemblies of Partially Fluorinated Amphiphilic Diblock Copolymers. <i>Macromolecules</i> , 2012, 45, 8681-8690.	2.2	28
136	Multifunctional hyperbranched polymers for CT <sup>19</sup> F MRI bimodal molecular imaging. <i>Polymer Chemistry</i> , 2016, 7, 1059-1069.	1.9	28
137	Hydrogels with Lotus Leaf Topography: Investigating Surface Properties and Cell Adhesion. <i>Langmuir</i> , 2017, 33, 485-493.	1.6	28
138	3D shape change of multi-responsive hydrogels based on a light-programmed gradient in volume phase transition. <i>Chemical Communications</i> , 2018, 54, 10909-10912.	2.2	28
139	Molecular Cocrystals of Carboxylic Acids. XIV. The Crystal Structures of the Adducts of Pyrazine-2,3-dicarboxylic Acid With 4-Aminobenzoic Acid, 3-Hydroxypyridine and 3-Amino-1,2,4-triazole. <i>Australian Journal of Chemistry</i> , 1994, 47, 309.	0.5	27
140	NMR Imaging of Water Sorption into Poly(hydroxyethyl methacrylate-co-tetrahydrofurfuryl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 T	2.8	27
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