

Kristofer J Thurecht

List of Publications by Citations

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155
papers

6,349
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h-index

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171
ext. papers

7,391
ext. citations

6.4
avg, IF

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L-index

#	Paper	IF	Citations
155	Nanoparticle-Based Medicines: A Review of FDA-Approved Materials and Clinical Trials to Date. <i>Pharmaceutical Research</i> , 2016 , 33, 2373-87	4.5	1489
154	Minimum information reporting in bio-nano experimental literature. <i>Nature Nanotechnology</i> , 2018 , 13, 777-785	28.7	297
153	Bridging Bio-Nano Science and Cancer Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 9594-9613	16.7	222
152	Bioerodable PLGA-Based Microparticles for Producing Sustained-Release Drug Formulations and Strategies for Improving Drug Loading. <i>Frontiers in Pharmacology</i> , 2016 , 7, 185	5.6	179
151	Functional hyperbranched polymers: toward targeted in vivo 19F magnetic resonance imaging using designed macromolecules. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5336-7	16.4	154
150	A comparative study: the impact of different lipid extraction methods on current microalgal lipid research. <i>Microbial Cell Factories</i> , 2014 , 13, 14	6.4	149
149	Towards clinical translation of ligand-functionalized liposomes in targeted cancer therapy: Challenges and opportunities. <i>Journal of Controlled Release</i> , 2018 , 277, 1-13	11.7	143
148	Multimodal polymer nanoparticles with combined 19F magnetic resonance and optical detection for tunable, targeted, multimodal imaging in vivo. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2413-9	16.4	142
147	Confinement of Therapeutic Enzymes in Selectively Permeable Polymer Vesicles by Polymerization-Induced Self-Assembly (PISA) Reduces Antibody Binding and Proteolytic Susceptibility. <i>ACS Central Science</i> , 2018 , 4, 718-723	16.8	128
146	Successful dispersion polymerization in supercritical CO ₂ using polyvinylalkylate hydrocarbon surfactants synthesized and anchored via RAFT. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12242-3	16.4	89
145	One-pot synthesis of block copolymers in supercritical carbon dioxide: a simple versatile route to nanostructured microparticles. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4772-81	16.4	88
144	Controlled Dispersion Polymerization of Methyl Methacrylate in Supercritical Carbon Dioxide via RAFT. <i>Macromolecules</i> , 2008 , 41, 1215-1222	5.5	82
143	Kinetics of Enzymatic Ring-Opening Polymerization of ϵ -Caprolactone in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2006 , 39, 7967-7972	5.5	79
142	Dispersion polymerisation in supercritical CO ₂ using macro-RAFT agents. <i>Chemical Communications</i> , 2008 , 5942-4	5.8	65
141	Living Polymer Beads in Supercritical CO ₂ . <i>Macromolecules</i> , 2007 , 40, 2965-2967	5.5	64
140	Recent Advances in the Generation of Antibody-Nanomaterial Conjugates. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700607	10.1	63
139	A method for controlling the aggregation of gold nanoparticles: tuning of optical and spectroscopic properties. <i>Langmuir</i> , 2013 , 29, 8266-74	4	62

138	Synthesis and Phase Behavior of CO ₂ -Soluble Hydrocarbon Copolymer: Poly(vinyl acetate-alt-dibutyl maleate). <i>Macromolecules</i> , 2010 , 43, 2276-2282	5.5	62
137	Free-Radical Polymerization in Ionic Liquids: The Case for a Protected Radical. <i>Macromolecules</i> , 2008 , 41, 2814-2820	5.5	62
136	One-Step Chemoenzymatic Synthesis of Poly(ϵ -caprolactone-block-methyl methacrylate) in Supercritical CO ₂ . <i>Macromolecules</i> , 2006 , 39, 5352-5358	5.5	62
135	Biodegradable core crosslinked star polymer nanoparticles as ¹⁹ F MRI contrast agents for selective imaging. <i>Polymer Chemistry</i> , 2014 , 5, 1760-1771	4.9	61
134	pH-responsive star polymer nanoparticles: potential ¹⁹ F MRI contrast agents for tumour-selective imaging. <i>Polymer Chemistry</i> , 2013 , 4, 4480	4.9	58
133	Synthesis of Graft Copolymers by the Combination of ATRP and Enzymatic ROP in scCO ₂ . <i>Macromolecules</i> , 2006 , 39, 9080-9086	5.5	57
132	Enhanced uptake of nanoparticle drug carriers via a thermoresponsive shell enhances cytotoxicity in a cancer cell line. <i>Biomaterials Science</i> , 2013 , 1, 434-442	7.4	55
131	Simultaneous enzymatic ring opening polymerisation and RAFT-mediated polymerisation in supercritical CO ₂ . <i>Chemical Communications</i> , 2006 , 4383-5	5.8	55
130	Molecular imaging with polymers. <i>Polymer Chemistry</i> , 2012 , 3, 1384	4.9	52
129	Enhanced delivery of siRNA to triple negative breast cancer cells in vitro and in vivo through functionalizing lipid-coated calcium phosphate nanoparticles with dual target ligands. <i>Nanoscale</i> , 2018 , 10, 4258-4266	7.7	50
128	Self assembly of plasmonic core-satellite nano-assemblies mediated by hyperbranched polymer linkers. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2827-2837	7.3	50
127	Self-assembled hyperbranched polymer-gold nanoparticle hybrids: understanding the effect of polymer coverage on assembly size and SERS performance. <i>Langmuir</i> , 2013 , 29, 525-33	4	50
126	Localised delivery of doxorubicin to prostate cancer cells through a PSMA-targeted hyperbranched polymer theranostic. <i>Biomaterials</i> , 2017 , 141, 330-339	15.6	49
125	Responsive hybrid block co-polymer conjugates of proteins: controlled architecture to modulate substrate specificity and solution behaviour. <i>Polymer Chemistry</i> , 2011 , 2, 1567	4.9	48
124	Development of a polymer theranostic for prostate cancer. <i>Polymer Chemistry</i> , 2014 , 5, 6932-6942	4.9	46
123	Modular construction of multifunctional bioresponsive cell-targeted nanoparticles for gene delivery. <i>Bioconjugate Chemistry</i> , 2011 , 22, 156-68	6.3	46
122	Effects of Surface Charge of Hyperbranched Polymers on Cytotoxicity, Dynamic Cellular Uptake and Localization, Hemotoxicity, and Pharmacokinetics in Mice. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4485-4497	5.6	43
121	Segmented Highly Branched Copolymers: Rationally Designed Macromolecules for Improved and Tunable (¹⁹ F) MRI. <i>Biomacromolecules</i> , 2015 , 16, 2827-39	6.9	42

120	In vivo evaluation of folate decorated cross-linked micelles for the delivery of platinum anticancer drugs. <i>Biomacromolecules</i> , 2015 , 16, 515-23	6.9	41
119	Controlled Dispersion Polymerization in Supercritical Carbon Dioxide. <i>Australian Journal of Chemistry</i> , 2009 , 62, 786	1.2	41
118	Hyperbranched polymers as delivery vectors for oligonucleotides. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 2585-2595	2.5	39
117	Using Peptide Aptamer Targeted Polymers as a Model Nanomedicine for Investigating Drug Distribution in Cancer Nanotheranostics. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3539-3549	5.6	38
116	Biodegradable CoreShell Materials via RAFT and ROP: Characterization and Comparison of Hyperbranched and Microgel Particles. <i>Macromolecules</i> , 2011 , 44, 1347-1354	5.5	38
115	The in vivo fate of nanoparticles and nanoparticle-loaded microcapsules after oral administration in mice: Evaluation of their potential for colon-specific delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 94, 393-403	5.7	37
114	Aptamer-targeted hyperbranched polymers: towards greater specificity for tumours in vivo. <i>Chemical Communications</i> , 2013 , 49, 3836-8	5.8	36
113	Overcoming Instability of Antibody-Nanomaterial Conjugates: Next Generation Targeted Nanomedicines Using Bispecific Antibodies. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2055-68	10.1	36
112	RAFT-functional ionic liquids: towards understanding controlled free radical polymerisation in ionic liquids. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2679		35
111	One-pot controlled synthesis of biodegradable and biocompatible co-polymer micelles. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4529		35
110	Influence of compatibilizing agent molecular structure on the mechanical properties of phosphate glass fiber-reinforced PLA composites. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3082-3094	2.5	34
109	New vinyl ester copolymers as stabilisers for dispersion polymerisation in scCO ₂ . <i>Polymer</i> , 2011 , 52, 5403-5409	3.3	33
108	Evaluation of Polymeric Nanomedicines Targeted to PSMA: Effect of Ligand on Targeting Efficiency. <i>Biomacromolecules</i> , 2015 , 16, 3235-47	6.9	32
107	Influence of oxidation upon the CO ₂ capture performance of a phenolic-resin-derived carbon. <i>Fuel Processing Technology</i> , 2013 , 110, 53-60	7.2	32
106	Perturbation of the Experimental Phase Diagram of a Diblock Copolymer by Blending with an Ionic Liquid. <i>Macromolecules</i> , 2016 , 49, 205-214	5.5	31
105	Hyperbranched polymer-gold nanoparticle assemblies: role of polymer architecture in hybrid assembly formation and SERS activity. <i>Langmuir</i> , 2014 , 30, 2249-58	4	31
104	Novel one pot synthesis of silver nanoparticle-polymer composites by supercritical CO ₂ polymerisation in the presence of a RAFT agent. <i>Chemical Communications</i> , 2007 , 3933-5	5.8	31
103	In Vivo Fate of Carbon Nanotubes with Different Physicochemical Properties for Gene Delivery Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11461-11471	9.5	30

102	Hyperbranched polymers for molecular imaging: designing polymers for parahydrogen induced polarisation (PHIP). <i>Chemical Communications</i> , 2012 , 48, 1583-5	5.8	30
101	Epoxy functionalised poly(epsilon-caprolactone): synthesis and application. <i>Chemical Communications</i> , 2008 , 5806-8	5.8	30
100	Synthesis of a multimodal molecular imaging probe based on a hyperbranched polymer architecture. <i>Polymer Chemistry</i> , 2014 , 5, 4450	4.9	28
99	PEG-Based Hyperbranched Polymer Theranostics: Optimizing Chemistries for Improved Bioconjugation. <i>Macromolecules</i> , 2014 , 47, 5211-5219	5.5	28
98	Effect of Solvent Quality on the Solution Properties of Assemblies of Partially Fluorinated Amphiphilic Diblock Copolymers. <i>Macromolecules</i> , 2012 , 45, 8681-8690	5.5	27
97	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	9.4	27
96	Supercritical CO ₂ : an effective medium for the chemo-enzymatic synthesis of block copolymers?. <i>Chemical Communications</i> , 2007 , 3805-13	5.8	27
95	Controlled polymerisation of lactide using an organo-catalyst in supercritical carbon dioxide. <i>Green Chemistry</i> , 2011 , 13, 2032	10	26
94	Equilibrium Swelling Measurements of Network and Semicrystalline Polymers in Supercritical Carbon Dioxide Using High-Pressure NMR. <i>Macromolecules</i> , 2005 , 38, 3731-3737	5.5	26
93	Simultaneous Dynamic Kinetic Resolution in Combination with Enzymatic Ring-Opening Polymerization. <i>Macromolecules</i> , 2006 , 39, 7302-7305	5.5	26
92	HRP-mediated inverse emulsion polymerisation of acrylamide in supercritical carbon dioxide. <i>Green Chemistry</i> , 2008 , 10, 863	10	25
91	Designed multifunctional polymeric nanomedicines: long-term biodistribution and tumour accumulation of aptamer-targeted nanomaterials. <i>Chemical Communications</i> , 2018 , 54, 11538-11541	5.8	25
90	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801607	10.1	24
89	Gold Nanocluster-Mediated Cellular Death under Electromagnetic Radiation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41159-41167	9.5	24
88	Temperature Dependence of the Dielectric Properties of 2,2'-Azobis(2-methyl-butyronitrile) (AMBN). <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 3011-3014	3.9	24
87	Dielectric Properties of Free-Radical Polymerizations: Molecularly Symmetrical Initiators during Thermal Decomposition. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 1703-1710	3.9	24
86	Multifunctional hyperbranched polymers for CT/19F MRI bimodal molecular imaging. <i>Polymer Chemistry</i> , 2016 , 7, 1059-1069	4.9	23
85	Charge Has a Marked Influence on Hyperbranched Polymer Nanoparticle Association in Whole Human Blood. <i>ACS Macro Letters</i> , 2017 , 6, 586-592	6.6	22

84	Utilising polymers to understand diseases: advanced molecular imaging agents. <i>Polymer Chemistry</i> , 2015 , 6, 868-880	4.9	22
83	Polysiloxanes polymers with hyperbranched structure and multivinyl functionality. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 629-637	2.5	22
82	Switchable 19F MRI polymer theranostics: towards in situ quantifiable drug release. <i>Polymer Chemistry</i> , 2017 , 8, 5157-5166	4.9	20
81	Comparison between polyethylene glycol and zwitterionic polymers as antifouling coatings on wearable devices for selective antigen capture from biological tissue. <i>Biointerphases</i> , 2015 , 10, 04A305	1.8	20
80	Person-Specific Biomolecular Coronas Modulate Nanoparticle Interactions with Immune Cells in Human Blood. <i>ACS Nano</i> , 2020 , 14, 15723-15737	16.7	20
79	Ultrasound-responsive nanobubbles for enhanced intravitreal drug migration: An ex vivo evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 136, 102-107	5.7	19
78	Modified Organosilica Core-Shell Nanoparticles for Stable pH Sensing in Biological Solutions. <i>ACS Sensors</i> , 2018 , 3, 967-975	9.2	19
77	New Structure Formation on Irradiation of Poly(chlorotrifluoroethylene). <i>Radiation Physics and Chemistry</i> , 2003 , 67, 729-736	2.5	19
76	Poly(2-oxazoline) macromonomers as building blocks for functional and biocompatible polymer architectures. <i>European Polymer Journal</i> , 2019 , 121, 109258	5.2	18
75	Understanding the Uptake of Nanomedicines at Different Stages of Brain Cancer Using a Modular Nanocarrier Platform and Precision Bispecific Antibodies. <i>ACS Central Science</i> , 2020 , 6, 727-738	16.8	18
74	Stability of Trithiocarbonate RAFT Agents Containing Both a Cyano and a Carboxylic Acid Functional Group. <i>ACS Macro Letters</i> , 2017 , 6, 287-291	6.6	17
73	Novel polymeric bioerodable microparticles for prolonged-release intrathecal delivery of analgesic agents for relief of intractable cancer-related pain. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 2334-44	2.9	17
72	Targeting Nanomedicines to Prostate Cancer: Evaluation of Specificity of Ligands to Two Different Receptors In Vivo. <i>Pharmaceutical Research</i> , 2016 , 33, 2388-99	4.5	17
71	EphA2 as a Diagnostic Imaging Target in Glioblastoma: A Positron Emission Tomography/Magnetic Resonance Imaging Study. <i>Molecular Imaging</i> , 2015 , 14, 7290.2015.00008	3.7	17
70	therapeutic evaluation of polymeric nanomedicines: effect of different targeting peptides on therapeutic efficacy against breast cancer. <i>Nanotheranostics</i> , 2018 , 2, 360-370	5.6	17
69	Polymers as Probes for Multimodal Imaging with MRI. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 2567-2572	2.6	16
68	Bothermal phase transitions and supramolecular architecture changes in thermoresponsive polymers via acid-labile side-chains. <i>Polymer Chemistry</i> , 2010 , 1, 1252	4.9	16
67	Determination of Domain Sizes in Blends of Poly(ethylene) and Poly(styrene) Formed in the Presence of Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2004 , 37, 6019-6026	5.5	16

66	Multifunctional lipid-coated calcium phosphate nanoplatforms for complete inhibition of large triple negative breast cancer via targeted combined therapy. <i>Biomaterials</i> , 2019 , 216, 119232	15.6	15
65	Bispecific Antibody-Functionalized Upconversion Nanoprobe. <i>Analytical Chemistry</i> , 2018 , 90, 3024-3029	7.8	15
64	Facile one-spot synthesis of highly branched polycaprolactone. <i>Polymer Chemistry</i> , 2014 , 5, 2997-3008	4.9	15
63	SERS-based detection of barcoded gold nanoparticle assemblies from within animal tissue. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 1659-1665	2.3	15
62	Can ionic liquid additives be used to extend the scope of poly(styrene)-block-poly(methyl methacrylate) for directed self-assembly?. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , 2014 , 13, 031304	0.7	15
61	Investigation of spontaneous microemulsion formation in supercritical carbon dioxide using high-pressure NMR. <i>Journal of Supercritical Fluids</i> , 2006 , 38, 111-118	4.2	15
60	Importance of Polymer Length in Fructose-Based Polymeric Micelles for an Enhanced Biological Activity. <i>Macromolecules</i> , 2019 , 52, 477-486	5.5	15
59	Fluorinated POSS-Star Polymers for 19F MRI. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 2262-2274	6	14
58	EphA3 Pay-Loaded Antibody Therapeutics for the Treatment of Glioblastoma. <i>Cancers</i> , 2018 , 10,	6.6	14
57	Innovative Therapeutic Strategies for Effective Treatment of Brain Metastases. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13
56	The influence of domain segregation in ionic liquids upon controlled polymerisation mechanisms: RAFT polymerisation. <i>Polymer Chemistry</i> , 2013 , 4, 1337-1344	4.9	13
55	Non-Viral Vector-Mediated Gene Therapy for ALS: Challenges and Future Perspectives. <i>Molecular Pharmaceutics</i> , 2021 , 18, 2142-2160	5.6	13
54	Engineered Polymeric Materials for Biological Applications: Overcoming Challenges of the Bio-Nano Interface. <i>Polymers</i> , 2019 , 11,	4.5	12
53	Polymeric siRNA delivery vectors: knocking down cancers with polymeric-based gene delivery systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1196-1208	3.5	12
52	Nanobody-displaying porous silicon nanoparticles for the co-delivery of siRNA and doxorubicin. <i>Biomaterials Science</i> , 2021 , 9, 133-147	7.4	12
51	Hyperbranched Poly(2-oxazoline)s and Poly(ethylene glycol): A Structure-Activity Comparison of Biodistribution. <i>Biomacromolecules</i> , 2020 , 21, 3318-3331	6.9	11
50	Understanding the role of colon-specific microparticles based on retrograded starch/pectin in the delivery of chitosan nanoparticles along the gastrointestinal tract. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 158, 371-378	5.7	11
49	EphA2 as a Diagnostic Imaging Target in Glioblastoma: A Positron Emission Tomography/Magnetic Resonance Imaging Study. <i>Molecular Imaging</i> , 2015 , 14, 385-99	3.7	11

48	Targeted and modular architectural polymers employing bioorthogonal chemistry for quantitative therapeutic delivery. <i>Chemical Science</i> , 2020 , 11, 3268-3280	9.4	10
47	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. <i>ACS Nano</i> , 2020 , 14, 13739-13753	16.7	10
46	Biosensing made easy with PEG-targeted bi-specific antibodies. <i>Chemical Communications</i> , 2016 , 52, 5739-5743	9.3	10
45	Engineering Fluorescent Gold Nanoclusters Using Xanthate-Functionalized Hydrophilic Polymers: Toward Enhanced Monodispersity and Stability. <i>Nano Letters</i> , 2021 , 21, 476-484	11.5	10
44	Cellular Targeting of Bispecific Antibody-Functionalized Poly(ethylene glycol) Capsules: Do Shape and Size Matter?. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28720-28731	9.5	9
43	Supramolecular Fluorine Magnetic Resonance Spectroscopy Probe Polymer Based on Passerini Bifunctional Monomer. <i>ACS Macro Letters</i> , 2019 , 8, 1479-1483	6.6	9
42	Targeted beta therapy of prostate cancer with Lu-labelled Miltuximab antibody against glypican-1 (GPC-1). <i>EJNMMI Research</i> , 2020 , 10, 46	3.6	9
41	Influence of Charge on Hemocompatibility and Immunoreactivity of Polymeric Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 756-767	4.1	9
40	Imaging tumour distribution of a polymeric drug delivery platform in vivo by PET-MRI. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1237-1244	3.5	8
39	Synthesis of ¹⁹ F nucleic acid-polymer conjugates as real-time MRI probes of biorecognition. <i>Polymer Chemistry</i> , 2016 , 7, 2180-2191	4.9	8
38	Preparation of Sodium-Capped Poly(lactic acid) Oligomers by Catalytic Initiation with a Sodium Hydroxyacids. <i>Macromolecules</i> , 2010 , 43, 185-192	5.5	8
37	Next-Generation Polymeric Nanomedicines for Oncology: Perspectives and Future Directions. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000319	4.8	8
36	Polymer design and component selection contribute to uptake, distribution & trafficking behaviours of polyethylene glycol hyperbranched polymers in live MDA-MB-468 breast cancer cells. <i>Biomaterials Science</i> , 2019 , 7, 4661-4674	7.4	7
35	Surface polymer imprinted optical fibre sensor for dose detection of dabrafenib. <i>Analyst, The</i> , 2020 , 145, 4504-4511	5	7
34	Direct Comparison of Poly(ethylene glycol) and Phosphorylcholine Drug-Loaded Nanoparticles In Vitro and In Vivo. <i>Biomacromolecules</i> , 2020 , 21, 2320-2333	6.9	7
33	GECCO-DOSY Post-Processing Analysis of Polymers. <i>Macromolecules</i> , 2007 , 40, 976-982	5.5	7
32	A study of the radiation chemistry of poly(chlorotrifluoroethylene) by ESR spectroscopy. <i>Radiation Physics and Chemistry</i> , 2003 , 68, 857-864	2.5	7
31	RNA interference to enhance radiation therapy: Targeting the DNA damage response. <i>Cancer Letters</i> , 2018 , 439, 14-23	9.9	7

30	Oral Delivery of Multicompartment Nanomedicines for Colorectal Cancer Therapeutics: Combining Loco-Regional Delivery with Cell-Target Specificity. <i>Advanced Therapeutics</i> , 2020 , 3, 1900171	4.9	6
29	Dependence of Block Copolymer Domain Spacing and Morphology on the Cation Structure of Ionic Liquid Additives. <i>Macromolecules</i> , 2018 , 51, 8979-8986	5.5	6
28	Tagged Core-Satellite Nanoassemblies: Role of Assembling Sequence on Surface-Enhanced Raman Scattering (SERS) Performance. <i>Applied Spectroscopy</i> , 2019 , 73, 1428-1435	3.1	5
27	Interfacial RAFT Miniemulsion Polymerization: Architectures from an Interface. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1271-1281	2.6	5
26	High-pressure real-time (¹²⁹ Xe) NMR: monitoring of surfactant conformation during the self-assembly of reverse micelles in supercritical carbon dioxide. <i>Chemical Communications</i> , 2010 , 46, 2850-2	5.8	5
25	Investigation of the Therapeutic Potential of a Synergistic Delivery System through Dual Controlled Release of Camptothecin/Doxorubicin. <i>Advanced Therapeutics</i> , 2020 , 3, 1900202	4.9	4
24	Effect of Supercritical Carbon Dioxide on the Loading and Release of Model Drugs from Polyurethane Films: Comparison with Solvent Casting. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 54-64	2.6	4
23	Stepwise Like Supramolecular Polymerization of Plasmonic Nanoparticle Building Blocks through Complementary Interactions. <i>Macromolecules</i> , 2020 , 53, 7469-7478	5.5	4
22	Poly(2-ethyl-2-oxazoline) bottlebrushes: How nanomaterial dimensions can influence biological interactions. <i>European Polymer Journal</i> , 2021 , 151, 110447	5.2	4
21	Interactions of core cross-linked poly(2-oxazoline) and poly(2-oxazine) micelles with immune cells in human blood. <i>Biomaterials</i> , 2021 , 274, 120843	15.6	4
20	Synthesis and post-polymerisation ligations of PEG-based hyperbranched polymers for RNA conjugation via reversible disulfide linkage. <i>Macromolecular Research</i> , 2017 , 25, 599-614	1.9	3
19	NMR Microscopy: A Tool for Measuring Monomer Diffusion in Supercritical CO ₂ . <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1539-1545	2.6	3
18	The Impact of Polymer Size and Cleavability on the Intravenous Pharmacokinetics of PEG-Based Hyperbranched Polymers in Rats. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
17	Development of enteric-coated, biphasic chitosan/HPMC microcapsules for colon-targeted delivery of anticancer drug-loaded nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021 , 607, 121026	6.5	3
16	Curcumin Chemoprevention Reduces the Incidence of Braf Mutant Colorectal Cancer in a Preclinical Study. <i>Digestive Diseases and Sciences</i> , 2021 , 66, 4326-4332	4	3
15	Synthesis of biscarboxylic acid functionalised EDTA mimicking polymers and their ability to form Zr(IV) chelation mediated nanostructures. <i>Polymer Chemistry</i> , 2020 , 11, 2799-2810	4.9	2
14	Targeted Nanomaterials: Overcoming Instability of Antibody-Nanomaterial Conjugates: Next Generation Targeted Nanomedicines Using Bispecific Antibodies (Adv. Healthcare Mater. 16/2016). <i>Advanced Healthcare Materials</i> , 2016 , 5, 1994-1994	10.1	2
13	Spectral normalisation by error minimisation for prediction of conversion in solvent-free catalytic chain transfer polymerisations. <i>RSC Advances</i> , 2016 , 6, 69484-69491	3.7	2

12	In situ formation of crosslinked core/shell polymeric nanoparticles from a novel hyperbranched core. <i>Polymer Chemistry</i> , 2012 , 3, 2807	4.9	2
11	Effect of Molecular Architecture on the Performance of ¹⁹ F NMR Imaging Agents. <i>ACS Symposium Series</i> , 2011 , 459-472	0.4	2
10	Biocatalytic Polymerization in Exotic Solvents 2010 , 323-348		2
9	Fluorophore Selection and Incorporation Contribute to Permeation and Distribution Behaviors of Hyperbranched Polymers in Multi-Cellular Tumor Spheroids and Xenograft Tumor Models.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2675-2685	4.1	2
8	SERS-barcodeed colloidal gold NP assemblies as imaging agents for use in biodiagnostics 2014 ,		1
7	Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization: Mechanism, Process and Applications 2012 ,		1
6	Evaluation of the in vivo fate of ultrapure alginate in a BALB/c mouse model. <i>Carbohydrate Polymers</i> , 2021 , 262, 117947	10.3	1
5	Preclinical Imaging of siRNA Delivery. <i>Australian Journal of Chemistry</i> , 2016 , 69, 1073	1.2	0
4	Characterization of the Biodistribution of a Silica Vesicle Nanovaccine Carrying a Protective Antigen With Live Animal Imaging. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 606652	5.8	0
3	Understanding nanomedicine treatment in an aggressive spontaneous brain cancer model at the stage of early blood brain barrier disruption.. <i>Biomaterials</i> , 2022 , 283, 121416	15.6	0
2	Hyperbranched Polymers as Nanocarriers 2018 , 1-27		
1	Effect of Chain-End Chemistries on the Efficiency of Coupling Antibodies to Polymers Using Unnatural Amino Acids. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000294	4.8	