Cameron Alexander

List of Publications by Year
in descending order

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		44444	39744
243	11,627	50	98
papers	citations	h-index	g-index

263	263	263	15739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stimuli responsive polymers for biomedical applications. Chemical Society Reviews, 2005, 34, 276-285.	18.7	1,569
2	Molecular imprinting science and technology: a survey of the literature for the years up to and including 2003. Journal of Molecular Recognition, 2006, 19, 106-180.	1.1	1,073
3	Variable Adhesion of Micropatterned Thermoresponsive Polymer Brushes: AFM Investigations of Poly(N-isopropylacrylamide) Brushes Prepared by Surface-Initiated Polymerizations. Advanced Materials, 2002, 14, 1130.	11.1	336
4	Bacterial Adhesion at Synthetic Surfaces. Applied and Environmental Microbiology, 1999, 65, 4995-5002.	1.4	248
5	Imprinted polymers: artificial molecular recognition materials with applications in synthesis and catalysis. Tetrahedron, 2003, 59, 2025-2057.	1.0	232
6	Ion-Sensitive â€œIsothermalâ€•Responsive Polymers Prepared in Water. Journal of the American Chemical Society, 2008, 130, 10852-10853.	6.6	226
7	Thermoresponsive Surface-Grafted Poly(Nâ^'isopropylacrylamide) Copolymers:Â Effect of Phase Transitions on Protein and Bacterial Attachment. Langmuir, 2003, 19, 2888-2899.	1.6	219
8	Responsive Polymers at the Biology/Materials Science Interface. Advanced Materials, 2006, 18, 3321-3328.	11.1	190
9	Multiplexing Spheroid Volume, Resazurin and Acid Phosphatase Viability Assays for High-Throughput Screening of Tumour Spheroids and Stem Cell Neurospheres. PLoS ONE, 2014, 9, e103817.	1.1	176
10	Functional Hyperbranched Polymers: Toward Targeted in Vivo ¹⁹F Magnetic Resonance Imaging Using Designed Macromolecules. Journal of the American Chemical Society, 2010, 132, 5336-5337.	6.6	168
11	Directed nucleation of calcite at a crystal-imprinted polymer surface. Nature, 1999, 398, 312-316.	13.7	165
12	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
13	Sweet Talking Double Hydrophilic Block Copolymer Vesicles. Angewandte Chemie - International Edition, 2008, 47, 4847-4850.	7.2	152
14	Control of Bacterial Aggregation by Thermoresponsive Glycopolymers. Journal of the American Chemical Society, 2007, 129, 11014-11015.	6.6	142
15	Molecularly imprinted drug delivery systems. Advanced Drug Delivery Reviews, 2005, 57, 1836-53.	6.6	140
16	Bacteria-Mediated Lithography of Polymer Surfaces. Journal of the American Chemical Society, 1996, 118, 8771-8772.	6.6	126
17	Bacteria-instructed synthesis of polymers for self-selective microbial binding and labelling. Nature Materials, 2014, 13, 748-755.	13.3	124
18	Bioadhesion at micro-patterned stimuli-responsive polymer brushes. Journal of Materials Chemistry, 2005, 15, 2089.	6.7	118

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19	Cell up-take control of gold nanoparticles functionalized with a thermoresponsive polymer. Journal of Materials Chemistry, 2009, 19, 1608.	6.7	118
20	The imitation gameâ€"a computational chemical approach to recognizing life. Nature Biotechnology, 2006, 24, 1203-1206.	9.4	113
21	Thermo and pH responsive polymers as gene delivery vectors: effect of polymer architecture on DNA complexation in vitro. Journal of Controlled Release, 2004, 97, 551-566.	4.8	111
22	In Situ Growth of Side-Chain PEG Polymers from Functionalized Human Growth Hormoneâ€"A New Technique for Preparation of Enhanced Proteinâ^'Polymer Conjugates. Bioconjugate Chemistry, 2010, 21, 671-678.	1.8	101
23	Thermoresponsive polymers as gene delivery vectors: Cell viability, DNA transport and transfection studies. Journal of Controlled Release, 2005, 108, 472-483.	4.8	93
24	Thermoresponsive Polymer Colloids for Drug Delivery and Cancer Therapy. Macromolecular Bioscience, 2011, 11, 1722-1734.	2.1	90
25	Selfâ€assembly of main chain liquid crystalline polymers via heteromeric hydrogen bonding. Macromolecular Symposia, 1994, 77, 283-294.	0.4	86
26	A highly effective gene delivery vector â€“ hyperbranched poly(2-(dimethylamino)ethyl methacrylate) from in situ deactivation enhanced ATRP. Chemical Communications, 2010, 46, 4698.	2.2	86
27	Imprinted Polymers as Protecting Groups for Regioselective Modification of Polyfunctional Substrates. Journal of the American Chemical Society, 1999, 121, 6640-6651.	6.6	84
28	Receptor Crosslinking: A General Method to Trigger Internalization and Lysosomal Targeting of Therapeutic Receptor:Ligand Complexes. Molecular Therapy, 2015, 23, 1888-1898.	3.7	83
29	Spatially functionalized polymer surfaces produced via cell-mediated lithography. Advanced Materials, 1997, 9, 751-755.	11.1	78
30	Synthetic and biological polymersâ€"â€“merging the interface. European Polymer Journal, 2004, 40, 5-25.	2.6	78
31	Synthetic polymers as drugs and therapeutics. Journal of Materials Chemistry, 2005, 15, 441-455.	6.7	78
32	Chemistry and formulations for siRNA therapeutics. Chemical Society Reviews, 2013, 42, 7983.	18.7	77
33	Controlled polymer synthesisâ€"from biomimicry towards synthetic biology. Chemical Society Reviews, 2010, 39, 286-300.	18.7	75
34	Variation in structure and properties of poly(glycerol adipate) via control of chain branching during enzymatic synthesis. Polymer, 2016, 89, 41-49.	1.8	75
35	Imprinted Contact Lenses for Sustained Release of Polymyxin B and Related Antimicrobial Peptides. Journal of Pharmaceutical Sciences, 2015, 104, 3386-3394.	1.6	74
36	Thermoresponsive and Photocrosslinkable PEGMEMA-PPGMA-EGDMA Copolymers from a One-Step ATRP Synthesis. Biomacromolecules, 2009, 10, 822-828.	2.6	73

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37	Photo-Cross-Linked Hydrogels from Thermoresponsive PEGMEMA-PPGMA-EGDMA Copolymers Containing Multiple Methacrylate Groups: Mechanical Property, Swelling, Protein Release, and Cytotoxicity. Biomacromolecules, 2009, 10, 2895-2903.	2.6	69
38	Bacteria clustering by polymers induces the expression of quorum-sensing-controlled phenotypes. Nature Chemistry, 2013, 5, 1058-1065.	6.6	67
39	Enhanced uptake of nanoparticle drug carriers via a thermoresponsive shell enhances cytotoxicity in a cancer cell line. Biomaterials Science, 2013, 1, 434.	2.6	63
40	Interactions of PEOâ€“PPOâ€“PEO block copolymers with lipid membranes: a computational and experimental study linking membrane lysis with polymer structure. Soft Matter, 2012, 8, 6744.	1.2	61
41	Smart polymers for the food industry. Trends in Food Science and Technology, 1997, 8, 140-145.	7.8	60
42	Control of A Multisubunit DNA Motor by a Thermoresponsive Polymer Switch. Journal of the American Chemical Society, 2004, 126, 13208-13209.	6.6	59
43	Dual bioresponsive antibiotic and quorum sensing inhibitor combination nanoparticles for treatment of Pseudomonas aeruginosa biofilms in vitro and ex vivo. Biomaterials Science, 2019, 7, 4099-4111.	2.6	56
44	Polymer control of ligand display on gold nanoparticles for multimodal switchable cell targeting. Chemical Communications, 2011, 47, 9846.	2.2	55
45	Enhancement of selectivity of imprinted polymers via post-imprinting modification of recognition sites. Polymer, 2000, 41, 5583-5590.	1.8	54
46	Enhanced uptake in 2D- and 3D- lung cancer cell models of redox responsive PEGylated nanoparticles with sensitivity to reducing extra- and intracellular environments. Journal of Controlled Release, 2018, 277, 126-141.	4.8	54
47	Protein-polymer nano-machines. Towards synthetic control of biological processes. Journal of Nanobiotechnology, 2004, 2, 8.	4.2	53
48	Biodegradable Thermoresponsive Microparticle Dispersions for Injectable Cell Delivery Prepared Using a Singleâ€Step Process. Advanced Materials, 2009, 21, 1809-1813.	11.1	53
49	Triblock Copolymer Nanovesicles for pH-Responsive Targeted Delivery and Controlled Release of siRNA to Cancer Cells. Biomacromolecules, 2015, 16, 1924-1937.	2.6	53
50	Responsive hybrid block co-polymer conjugates of proteinsâ€“controlled architecture to modulate substrate specificity and solution behaviour. Polymer Chemistry, 2011, 2, 1567.	1.9	52
51	In vitro co-culture model of medulloblastoma and human neural stem cells for drug delivery assessment. Journal of Biotechnology, 2015, 205, 3-13.	1.9	52
52	Stimuliâ€Responsive Prodrug Chemistries for Drug Delivery. Advanced Therapeutics, 2018, 1, 1800030.	1.6	51
53	Responsive polyelectrolyte complexes for triggered release of nucleic acid therapeutics. Chemical Communications, 2010, 46, 5421.	2.2	50
54	The Missing Lactam-Thermoresponsive and Biocompatible Poly(N-vinylpiperidone) Polymers by Xanthate-Mediated RAFT Polymerization. Macromolecules, 2011, 44, 886-893.	2.2	50

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55	Nanoparticle Transport in Epithelial Cells: Pathway Switching Through Bioconjugation. Small, 2013, 9, 3282-3294.	5.2	50
56	Modular Construction of Multifunctional Bioresponsive Cell-Targeted Nanoparticles for Gene Delivery. Bioconjugate Chemistry, 2011, 22, 156-168.	1.8	49
57	All Surfaces Are Not Equal in Contact Transmission of SARS-CoV-2. Matter, 2020, 3, 1433-1441.	5.0	49
58	Enhanced gene expression through temperature profile-induced variations in molecular architecture of thermoresponsive polymer vectors. Journal of Gene Medicine, 2007, 9, 44-54.	1.4	48
59	Synthetic polymers for biopharmaceutical delivery. Polymer Chemistry, 2011, 2, 48-59.	1.9	48
60	Upper critical solution temperature thermo-responsive polymer brushes and a mechanism for controlled cell attachment. Journal of Materials Chemistry B, 2017, 5, 4926-4933.	2.9	48
61	Design, synthesis and characterization of captopril prodrugs for enhanced percutaneous absorption. Journal of Pharmacy and Pharmacology, 2010, 58, 167-177.	1.2	47
62	Temperature- and pH-responsive smart polymers for gene delivery. Expert Opinion on Drug Delivery, 2006, 3, 573-581.	2.4	46
63	Selfâ€immolative Polymers. Angewandte Chemie - International Edition, 2008, 47, 7804-7806.	7.2	46
64	New biomaterials from renewable resources â€“ amphiphilic block copolymers from Î´-decalactone. Polymer Chemistry, 2015, 6, 7196-7210.	1.9	45
65	Properties of acyl modified poly(glycerol-adipate) comb-like polymers and their self-assembly into nanoparticles. Journal of Polymer Science Part A, 2016, 54, 3267-3278.	2.5	45
66	Thermo and pH responsive polymers as gene delivery vectors: effect of polymer architecture on DNA complexation in vitro. Journal of Controlled Release, 2004, 97, 551-566.	4.8	45
67	Identification of Novel â€œInksâ€•for 3D Printing Using High-Throughput Screening: Bioresorbable Photocurable Polymers for Controlled Drug Delivery. ACS Applied Materials & Interfaces, 2018, 10, 6841-6848.	4.0	44
68	Bacterial adsorption to thermoresponsive polymer surfaces. Biotechnology Letters, 2000, 22, 141-145.	1.1	42
69	Hyperbranched polymers as delivery vectors for oligonucleotides. Journal of Polymer Science Part A, 2012, 50, 2585-2595.	2.5	42
70	Fc-mediated transport of nanoparticles across airway epithelial cell layers. Journal of Controlled Release, 2012, 158, 479-486.	4.8	41
71	Bioreducible cross-linked core polymer micelles enhance in vitro activity of methotrexate in breast cancer cells. Biomaterials Science, 2017, 5, 532-550.	2.6	41
72	Dual stimuli responsive PEG based hyperbranched polymers. Polymer Chemistry, 2010, 1, 827.	1.9	40

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73	Multicomponent Synthetic Polymers with Viral-Mimetic Chemistry for Nucleic Acid Delivery. Molecular Pharmaceutics, 2012, 9, 1-13.	2.3	40
74	One-pot controlled synthesis of biodegradable and biocompatible co-polymer micelles. Journal of Materials Chemistry, 2009, 19, 4529.	6.7	39
75	Reductionâ€responsive polymers for drug delivery in cancer therapyâ€”Is there anything new to discover?. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1678.	3.3	39
76	Adsorbed poly(ethyleneoxide)-poly(propyleneoxide) copolymers on synthetic surfaces: Spectroscopy and microscopy of polymer structures and effects on adhesion of skin-borne bacteria. Journal of Biomedical Materials Research Part B, 2002, 61, 641-652.	3.0	37
77	Synthesis and characterization of variable conformation pH responsive block co-polymers for nucleic acid delivery and targeted cell entry. Polymer Chemistry, 2014, 5, 1626-1636.	1.9	37
78	Synthetic Polymers for Simultaneous Bacterial Sequestration and Quorum Sense Interference. Angewandte Chemie - International Edition, 2011, 50, 9852-9856.	7.2	36
79	Uptake and transport of B 12 -conjugated nanoparticles in airway epithelium. Journal of Controlled Release, 2013, 172, 374-381.	4.8	36
80	Photocrosslinkable Gelatin Hydrogels Modulate the Production of the Major Pro-inflammatory Cytokine, TNF-Î±, by Human Mononuclear Cells. Frontiers in Bioengineering and Biotechnology, 2018, 6, 116.	2.0	36
81	Challenges and solutions in polymer drug delivery for bacterial biofilm treatment: A tissue-by-tissue account. Advanced Drug Delivery Reviews, 2021, 178, 113973.	6.6	36
82	Amphiphilic block copolymers from a renewable Îµ-decalactone monomer: prediction and characterization of micellar core effects on drug encapsulation and release. Journal of Materials Chemistry B, 2016, 4, 7119-7129.	2.9	35
83	In Silico Screening for Solid Dispersions: The Trouble with Solubility Parameters and Ï‡FH. Molecular Pharmaceutics, 2018, 15, 4654-4667.	2.3	35
84	Drugs take control. Nature Materials, 2008, 7, 767-768.	13.3	34
85	Diolâ€“boronic acid complexes integrated by responsive polymersâ€”a route to chemical sensing and logic operations. Soft Matter, 2009, 5, 3839.	1.2	34
86	Enzyme-passage free culture of mouse embryonic stem cells on thermo-responsive polymer surfaces. Journal of Materials Chemistry, 2011, 21, 6883.	6.7	33
87	Camptothecin prodrug block copolymer micelles with high drug loading and target specificity. Polymer Chemistry, 2014, 5, 5320-5329.	1.9	33
88	The effect of protein concentration on the viscosity of a recombinant albumin solution formulation. RSC Advances, 2016, 6, 15143-15154.	1.7	33
89	Low molecular weight PEGâ€“PLGA polymers provide a superior matrix for conjugated polymer nanoparticles in terms of physicochemical properties, biocompatibility and optical/photoacoustic performance. Journal of Materials Chemistry B, 2019, 7, 5115-5124.	2.9	33
90	Tumour regression and improved gastrointestinal tolerability from controlled release of SN-38 from novel polyoxazoline-modified dendrimers. Journal of Controlled Release, 2017, 247, 73-85.	4.8	32

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91	Ironâ€Catalysed Radical Polymerisation by Living Bacteria. Angewandte Chemie - International Edition, 2020, 59, 4750-4755.	7.2	32
92	Multi-component bioresponsive nanoparticles for synchronous delivery of docetaxel and TUBB3 siRNA to lung cancer cells. Nanoscale, 2021, 13, 11414-11426.	2.8	32
93	Grafted thermo- and pH responsive co-polymers: Surface-properties and bacterial adsorption. International Journal of Pharmaceutics, 2005, 295, 77-91.	2.6	30
94	Engineering serendipity: High-throughput discovery of materials that resist bacterial attachment. Acta Biomaterialia, 2016, 34, 84-92.	4.1	30
95	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. ACS Nano, 2020, 14, 13739-13753.	7.3	30
96	Thermally-triggered gelation of PLGA dispersions: Towards an injectable colloidal cell delivery system. Journal of Colloid and Interface Science, 2010, 344, 61-69.	5.0	29
97	Multiscale Modeling of Drugâ€“Polymer Nanoparticle Assembly Identifies Parameters Influencing Drug Encapsulation Efficiency. Journal of Chemical Theory and Computation, 2015, 11, 2705-2713.	2.3	29
98	Varying polymer architecture to deliver drugs. AAPS Journal, 2007, 9, E235-E240.	2.2	28
99	Selective synthesis of double temperature-sensitive polymerâ€“peptide conjugates. Chemical Communications, 2008, , 4433.	2.2	28
100	Chemistry of Polymer and Ceramic-Based Injectable Scaffolds and Their Applications in Regenerative Medicine. Chemistry of Materials, 2012, 24, 781-795.	3.2	28
101	Relationship between the Affinity of PEO-PPO-PEO Block Copolymers for Biological Membranes and Their Cellular Effects. Pharmaceutical Research, 2012, 29, 1908-1918.	1.7	28
102	Directed Assembly of Inorganic Polyoxometalateâ€based Micrometerâ€Scale Tubular Architectures by Using Optical Control. Angewandte Chemie - International Edition, 2012, 51, 12754-12758.	7.2	27
103	Programmable polymer-DNA hydrogels with dual input and multiscale responses. Biomaterials Science, 2014, 2, 203-211.	2.6	27
104	A design of experiments approach to identify the influencing parameters that determine poly-D,L-lactic acid (PDLLA) electrospun scaffold morphologies. Biomedical Materials (Bristol), 2017, 12, 055009.	1.7	27
105	Designing topographically textured microparticles for induction and modulation of osteogenesis in mesenchymal stem cell engineering. Biomaterials, 2021, 266, 120450.	5.7	27
106	Physicochemical Characterization of Thermoresponsive Poly(N-isopropylacrylamide)â^'poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.6	25
107	Fabrication of water-soluble magnetic nanoparticles by ligand-exchange with thermo-responsive polymers. Journal of Magnetism and Magnetic Materials, 2009, 321, 1421-1423.	1.0	25
108	New N-acyl amino acid-functionalized biodegradable polyesters for pharmaceutical and biomedical applications. RSC Advances, 2016, 6, 109401-109405.	1.7	25

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109	Time and cellâ€dependent effects of endocytosis inhibitors on the internalization of biomolecule markers and nanomaterials. Journal of Interdisciplinary Nanomedicine, 2018, 3, 67-81.	3.6	25
110	Polymer Microparticles with Defined Surface Chemistry and Topography Mediate the Formation of Stem Cell Aggregates and Cardiomyocyte Function. ACS Applied Materials & Interfaces, 2019, 11, 34560-34574.	4.0	25
111	Biomedical engineering approaches to enhance therapeutic delivery for malignant glioma. Journal of Controlled Release, 2020, 328, 917-931.	4.8	25
112	Sacrificial spacer and non-covalent routes toward the molecular imprinting of â€œpoorly-functionalizedâ€•N-heterocycles. Analytica Chimica Acta, 2004, 504, 63-71.	2.6	23
113	Transfection of luciferase DNA into various cells by cationic cyclodextrin polyrotaxanes derived from ionene-11. Journal of Materials Chemistry, 2012, 22, 8558.	6.7	23
114	Cationic polymer mediated bacterial clustering: Cell-adhesive properties of homo- and copolymers. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 95, 47-62.	2.0	23
115	Engineered Polymerâ€“Transferrin Conjugates as Self-Assembling Targeted Drug Delivery Systems. Biomacromolecules, 2017, 18, 1532-1543.	2.6	23
116	A Simple Polymicrobial Biofilm Keratinocyte Colonization Model for Exploring Interactions Between Commensals, Pathogens and Antimicrobials. Frontiers in Microbiology, 2020, 11, 291.	1.5	23
117	Dually sensitive dextran-based micelles for methotrexate delivery. RSC Advances, 2017, 7, 14448-14460.	1.7	22
118	Control of targeting ligand display by pH-responsive polymers on gold nanoparticles mediates selective entry into cancer cells. Nanoscale, 2017, 9, 11137-11147.	2.8	22
119	Facile synthesis of responsive nanoparticles with reversible, tunable and rapid thermal transitions from biocompatible constituents. Chemical Communications, 2009, , 6068.	2.2	21
120	Biocompatible Unimolecular Micelles Obtained via the Passerini Reaction as Versatile Nanocarriers for Potential Medical Applications. Biomacromolecules, 2019, 20, 90-101.	2.6	21
121	Avidin bioconjugate with a thermoresponsive polymer for biological and pharmaceutical applications. International Journal of Pharmaceutics, 2007, 340, 20-28.	2.6	20
122	Role of selfâ€assembly conditions and amphiphilic balance on nanoparticle formation of PEGâ€PDLLA copolymers in aqueous environments. Journal of Polymer Science Part A, 2019, 57, 1801-1810.	2.5	20
123	The In Vitro, Ex Vivo, and In Vivo Effect of Polymer Hydrophobicity on Charge-Reversible Vectors for Self-Amplifying RNA. Biomacromolecules, 2020, 21, 3242-3253.	2.6	20
124	Poly(<scp>d</scp>,<scp>l</scp>-lactide-co-glycolide) Dispersions Containing Pluronics: from Particle Preparation to Temperature-Triggered Aggregation. Langmuir, 2008, 24, 7761-7768.	1.6	19
125	Heparin molecularly imprinted surfaces for the attenuation of complement activation in blood. Biomaterials Science, 2015, 3, 1208-1217.	2.6	19
126	Enhancing doxorubicin anticancer activity with a novel polymeric platform photoreleasing nitric oxide. Biomaterials Science, 2020, 8, 1329-1344.	2.6	19

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127	Synthesis and Characterization of Variable-Architecture Thermosensitive Polymers for Complexation with DNAâ€. Langmuir, 2007, 23, 41-49.	1.6	18
128	Synthetic polymers for capture and detection of microorganisms. Analyst, The, 2007, 132, 1075.	1.7	18
129	Responsive particulate dispersions for reversible building and deconstruction of 3D cell environments. Soft Matter, 2010, 6, 5037.	1.2	18
130	Star-shaped poly(oligoethylene glycol) copolymer-based gels: Thermo-responsive behaviour and bioapplicability for risedronate intranasal delivery. International Journal of Pharmaceutics, 2018, 543, 224-233.	2.6	18
131	Amphiphilic tri- and tetra-block co-polymers combining versatile functionality with facile assembly into cytocompatible nanoparticles. Biomaterials Science, 2019, 7, 3832-3845.	2.6	18
132	Mammalianâ€Cellâ€Driven Polymerisation of Pyrrole. ChemBioChem, 2019, 20, 1008-1013.	1.3	18
133	Combination dual responsive polypeptide vectors for enhanced gene delivery. Molecular BioSystems, 2008, 4, 741.	2.9	17
134	Multifunctional Poly[N-(2-hydroxypropyl)methacrylamide] Copolymers via Postpolymerization Modification and Sequential Thiolâ€“Ene Chemistry. Macromolecules, 2015, 48, 2857-2863.	2.2	17
135	Systemic in vivo delivery of siRNA to tumours using combination of polyethyleneimine and transferrinâ€“polyethyleneimine conjugates. Biomaterials Science, 2015, 3, 1439-1448.	2.6	17
136	Enhanced cytocompatibility and functional group content of poly(<scp>l</scp>-lysine) dendrimers by grafting with poly(oxazolines). Polymer Chemistry, 2016, 7, 4609-4617.	1.9	17
137	Dendrimer mediated clustering of bacteria: improved aggregation and evaluation of bacterial response and viability. Biomaterials Science, 2016, 4, 998-1006.	2.6	17
138	Polyvalent Diazonium Polymers Provide Efficient Protection of Oncolytic Adenovirus Enadenotucirev from Neutralizing Antibodies while Maintaining Biological Activity In Vitro and In Vivo. Bioconjugate Chemistry, 2019, 30, 1244-1257.	1.8	17
139	Effects of Polymer 3D Architecture, Size, and Chemistry on Biological Transport and Drug Delivery In Vitro and in Orthotopic Triple Negative Breast Cancer Models. Advanced Healthcare Materials, 2020, 9, 2000892.	3.9	17
140	Prediction of the enhanced insulin absorption across a triple co-cultured intestinal model using mucus penetrating PLGA nanoparticles. International Journal of Pharmaceutics, 2020, 585, 119516.	2.6	17
141	PEG-polyaminoacid based micelles for controlled release of doxorubicin: Rational design, safety and efficacy study. Journal of Controlled Release, 2021, 335, 21-37.	4.8	17
142	A computational study of liposome logic: towards cellular computing from the bottom up. Systems and Synthetic Biology, 2010, 4, 157-179.	1.0	16
143	â€˜Isothermalâ€™ phase transitions and supramolecular architecture changes in thermoresponsive polymers via acid-labile side-chains. Polymer Chemistry, 2010, 1, 1252.	1.9	16
144	Epithelial Toxicity of Alkylglycoside Surfactants. Journal of Pharmaceutical Sciences, 2013, 102, 114-125.	1.6	16

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145	A Thermoresponsive and Magnetic Colloid for 3D Cell Expansion and Reconfiguration. Advanced Materials, 2015, 27, 662-668.	11.1	16
146	Synthesis and In Vitro Evaluation of Polyethylene Glycol-Paclitaxel Conjugates for Lung Cancer Therapy. Pharmaceutical Research, 2016, 33, 1671-1681.	1.7	16
147	Switching of Macromolecular Ligand Display by Thermoresponsive Polymers Mediates Endocytosis of Multiconjugate Nanoparticles. Bioconjugate Chemistry, 2018, 29, 1030-1046.	1.8	16
148	Epoxyâ€“amine oligomers from terpenes with applications in synergistic antifungal treatments. Journal of Materials Chemistry B, 2019, 7, 5222-5229.	2.9	16
149	Synthesis of Methacrylateâ€Terminated Block Copolymers with Reduced Transesterification by Controlled Ringâ€Opening Polymerization. Macromolecular Chemistry and Physics, 2019, 220, 1800459.	1.1	16
150	Polyphosphazenes for the delivery of biopharmaceuticals. Journal of Applied Polymer Science, 2020, 137, 48688.	1.3	16
151	Novel pH-responsive nanovectors for controlled release of ionisable drugs. Journal of Materials Chemistry B, 2013, 1, 5335.	2.9	15
152	Programmed assembly of polymerâ€“DNA conjugate nanoparticles with optical readout and sequence-specific activation of biorecognition. Nanoscale, 2014, 6, 2368-2374.	2.8	15
153	Polymers for binding of the gram-positive oral pathogen Streptococcus mutans. PLoS ONE, 2017, 12, e0180087.	1.1	15
154	Lactoferrin-Loaded Alginate Microparticles to Target Clostridioides difficile Infection. Journal of Pharmaceutical Sciences, 2019, 108, 2438-2446.	1.6	15
155	Repurposing Nonantifungal Approved Drugs for Synergistic Targeting of Fungal Pathogens. ACS Infectious Diseases, 2020, 6, 2950-2958.	1.8	15
156	Ornithine-derived oligomers and dendrimers forin vitrodelivery of DNA andex vivotransfection of skin cellsviasaRNA. Journal of Materials Chemistry B, 2020, 8, 4940-4949.	2.9	15
157	Development of a Neutral Diketopyrrolopyrrole Phosphine Oxide for the Selective Bioimaging of Mitochondria at the Nanomolar Level. Chemistry - A European Journal, 2020, 26, 3173-3180.	1.7	15
158	Development of Pyrazolo[3,4-d]pyrimidine Kinase Inhibitors as Potential Clinical Candidates for Glioblastoma Multiforme. ACS Medicinal Chemistry Letters, 2020, 11, 657-663.	1.3	15
159	Surface polymer imprinted optical fibre sensor for dose detection of dabrafenib. Analyst, The, 2020, 145, 4504-4511.	1.7	14
160	Control of crystal morphologyvia molecular imprinting. Polymer International, 2001, 50, 429-432.	1.6	13
161	pH-responsive poly(4-hydroxybenzoyl methacrylates) â€“ design and engineering of intelligent drug delivery nanovectors. Polymer Chemistry, 2013, 4, 4375.	1.9	13
162	Complexity Measurement Based on Information Theory and Kolmogorov Complexity. Artificial Life, 2015, 21, 205-224.	1.0	13

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163	Ironâ€Catalysed Radical Polymerisation by Living Bacteria. Angewandte Chemie, 2020, 132, 4780-4785.	1.6	13
164	A â€˜greenerâ€™ one-pot synthesis of monoterpene-functionalised lactide oligomers. European Polymer Journal, 2020, 125, 109516.	2.6	13
165	Polymer Pro-Drug Nanoparticles for Sustained Release of Cytotoxic Drugs Evaluated in Patient-Derived Glioblastoma Cell Lines and In Situ Gelling Formulations. Pharmaceutics, 2021, 13, 208.	2.0	13
166	Synthesis of micellar-like terpolymer nanoparticles with reductively-cleavable cross-links and evaluation of efficacy in 2D and 3D models of triple negative breast cancer. Journal of Controlled Release, 2020, 323, 549-564.	4.8	13
167	Evaluation of a Thermoresponsive Polycaprolactone Scaffold for In Vitro Three-Dimensional Stem Cell Differentiation. Tissue Engineering - Part A, 2015, 21, 310-319.	1.6	12
168	Rapid Nanogram Scale Screening Method of Microarrays to Evaluate Drugâ€“Polymer Blends Using High-Throughput Printing Technology. Molecular Pharmaceutics, 2017, 14, 2079-2087.	2.3	12
169	Nanoformulation-by-design: an experimental and molecular dynamics study for polymer coated drug nanoparticles. RSC Advances, 2020, 10, 19521-19533.	1.7	12
170	An approach to the preparation of conjugated polyradicals. Polymer Bulletin, 1991, 26, 245-252.	1.7	11
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