

N L Fletcher

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45 papers	710 citations	16 h-index	25 g-index
55 ext. papers	929 ext. citations	6.9 avg, IF	4.21 L-index

#	Paper	IF	Citations
45	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
44	Poly(2-ethyl-2-oxazoline) bottlebrushes: How nanomaterial dimensions can influence biological interactions. <i>European Polymer Journal</i> , 2021 , 151, 110447	5.2	4
43	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
42	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
41	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
40	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
39	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
38	Targeted and modular architectural polymers employing bioorthogonal chemistry for quantitative therapeutic delivery. <i>Chemical Science</i> , 2020 , 11, 3268-3280	9.4	10
37	Investigation of the Therapeutic Potential of a Synergistic Delivery System through Dual Controlled Release of CamptothecinDoxorubicin. <i>Advanced Therapeutics</i> , 2020 , 3, 1900202	4.9	4
36	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
35	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
34	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
33	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
32	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
31	Next-Generation Polymeric Nanomedicines for Oncology: Perspectives and Future Directions. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000319	4.8	8
30	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	
29	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. <i>ACS Nano</i> , 2020 , 14, 13739-13753	16.7	10

28	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
27	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
26	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
25	Poly(2-oxazoline) macromonomers as building blocks for functional and biocompatible polymer architectures. <i>European Polymer Journal</i> , 2019 , 121, 109258	5.2	18
24	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
23	Protective Antigen Shows High Specificity for a UV Induced Mouse Model of Cutaneous Squamous Cell Carcinoma. <i>Frontiers in Medicine</i> , 2019 , 6, 22	4.9	1
22	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801607	10.1	24
21	Importance of Polymer Length in Fructose-Based Polymeric Micelles for an Enhanced Biological Activity. <i>Macromolecules</i> , 2019 , 52, 477-486	5.5	15
20	Modified Organosilica Core-Shell Nanoparticles for Stable pH Sensing in Biological Solutions. <i>ACS Sensors</i> , 2018 , 3, 967-975	9.2	19
19	Design-led 3D visualization of nanomedicines in virtual reality 2018 ,		1
18	Polynitroxide copolymers to reduce biofilm fouling on surfaces. <i>Polymer Chemistry</i> , 2018 , 9, 5308-5318	4.9	23
17	RNA interference to enhance radiation therapy: Targeting the DNA damage response. <i>Cancer Letters</i> , 2018 , 439, 14-23	9.9	7
16	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
15	Influence of Charge on Hemocompatibility and Immunoreactivity of Polymeric Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 756-767	4.1	9
14	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
13	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
12	Fabrication and characterization of hydrogels formed from designer coiled-coil fibril-forming peptides. <i>RSC Advances</i> , 2017 , 7, 27260-27271	3.7	13
11	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

10	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
9	Gold Nanocluster-Mediated Cellular Death under Electromagnetic Radiation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41159-41167	9.5	24
8	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
7	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
6	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
5	Synthesis, characterization and biological activities of semicarbazones and their copper complexes. <i>Journal of Inorganic Biochemistry</i> , 2016 , 162, 295-308	4.2	15
4	Preclinical Imaging of siRNA Delivery. <i>Australian Journal of Chemistry</i> , 2016 , 69, 1073	1.2	0
3	Evaluation of Polymeric Nanomedicines Targeted to PSMA: Effect of Ligand on Targeting Efficiency. <i>Biomacromolecules</i> , 2015 , 16, 3235-47	6.9	32
2	Bioproduction of highly charged designer peptide surfactants via a chemically cleavable coiled-coil heteroconcatemer. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 242-51	4.9	2
1	A pH-responsive coiled-coil peptide hydrogel. <i>Soft Matter</i> , 2011 , 7, 10210	3.6	48