

Bryn D Monnery

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Poly(2-allylamidopropyl-2-oxazoline)-Based Hydrogels: From Accelerated Gelation Kinetics to <i>In Vivo</i> Compatibility in a Murine Subdermal Implant Model. <i>Biomacromolecules</i> , 2021, 22, 1590-1599.	5.4	11
2	Polycation-Mediated Transfection: Mechanisms of Internalization and Intracellular Trafficking. <i>Biomacromolecules</i> , 2021, 22, 4060-4083.	5.4	23
3	Ethyl acetate as solvent for the synthesis of poly(2-ethyl-2-oxazoline). <i>Green Chemistry</i> , 2020, 22, 1747-1753.	9.0	20
4	Synthesis of defined high molar mass poly(2-methyl-2-oxazoline). <i>Polymer Chemistry</i> , 2019, 10, 1286-1290.	3.9	28
5	Thermoresponsive hydrogels formed by poly(2-oxazoline) triblock copolymers. <i>Polymer Chemistry</i> , 2019, 10, 3480-3487.	3.9	35
6	Conformational properties of biocompatible poly(2-ethyl-2-oxazoline)s in phosphate buffered saline. <i>Polymer Chemistry</i> , 2018, 9, 2232-2237.	3.9	33
7	Defined High Molar Mass Poly(2-Oxazoline)s. <i>Angewandte Chemie</i> , 2018, 130, 15626-15630.	2.0	6
8	Defined High Molar Mass Poly(2-Oxazoline)s. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15400-15404.	13.8	68
9	Cytotoxicity of polycations: Relationship of molecular weight and the hydrolytic theory of the mechanism of toxicity. <i>International Journal of Pharmaceutics</i> , 2017, 521, 249-258.	5.2	153
10	Poly(2-ethyl-2-oxazoline) conjugates with doxorubicin for cancer therapy: <i>In Vitro</i> and <i>In Vivo</i> evaluation and direct comparison to poly[N-(2-hydroxypropyl)methacrylamide] analogues. <i>Biomaterials</i> , 2017, 146, 1-12.	11.4	84
11	The chemistry of poly(2-oxazoline)s. <i>European Polymer Journal</i> , 2017, 88, 451-469.	5.4	207
12	The Label Matters: ¹⁸ F PET Imaging of the Biodistribution of Low Molar Mass ⁸⁹ Zr and ¹⁸ F-Labeled Poly(2-ethyl-2-oxazoline). <i>Biomacromolecules</i> , 2017, 18, 96-102.	5.4	32
13	¹⁸ F PET imaging of the pharmacokinetic behavior of medium and high molar mass ⁸⁹ Zr-labeled poly(2-ethyl-2-oxazoline) in comparison to poly(ethylene glycol). <i>Journal of Controlled Release</i> , 2016, 235, 63-71.	9.9	76
14	Synthesis of poly(2-oxazoline)s with side chain methyl ester functionalities: Detailed understanding of living copolymerization behavior of methyl ester containing monomers with 2-oxazolines. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2649-2661.	2.3	43
15	Sulfolane as Common Rate Accelerating Solvent for the Cationic Ring-Opening Polymerization of 2-Oxazolines. <i>ACS Macro Letters</i> , 2015, 4, 825-828.	4.8	39
16	Systematic investigation of alkyl sulfonate initiators for the cationic ring-opening polymerization of 2-oxazolines revealing optimal combinations of monomers and initiators. <i>European Polymer Journal</i> , 2015, 65, 298-304.	5.4	63
17	Improved Synthesis of Linear Poly(ethylenimine) via Low-Temperature Polymerization of 2-Isopropyl-2-oxazoline in Chlorobenzene. <i>Macromolecules</i> , 2015, 48, 3197-3206.	4.8	34
18	Accelerated living cationic ring-opening polymerization of a methyl ester functionalized 2-oxazoline monomer. <i>Polymer Chemistry</i> , 2015, 6, 514-518.	3.9	58

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19	Fast and accurate partial hydrolysis of poly(2-ethyl-2-oxazoline) into tailored linear polyethylenimine copolymers. <i>Polymer Chemistry</i> , 2014, 5, 4957-4964.	3.9	56
20	Cationic Ring-Opening Polymerization of 2-Propyl-2-oxazolines: Understanding Structural Effects on Polymerization Behavior Based on Molecular Modeling. <i>ACS Macro Letters</i> , 2013, 2, 651-654.	4.8	26
21	Poly(2-Oxazoline)s " Are They More Advantageous for Biomedical Applications Than Other Polymers?. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1648-1662.	3.9	256
22	Bioresponsive Small Molecule Polyamines as Noncytotoxic Alternative to Polyethylenimine. <i>Molecular Pharmaceutics</i> , 2010, 7, 2040-2055.	4.6	24
23	Mechanically versatile isosorbide-based thermoplastic copolyetheresters with a poly(ethylene glycol) soft segment. <i>Journal of Polymer Science</i> , 0, , .	3.8	2