Bryn D Monnery

List of Publications by Year
in descending order

23 papers	1,377 citations	394421 19 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1409 citing authors

#	Article	IF	Citations
1	Poly(2â€Oxazoline)s â€“ Are They More Advantageous for Biomedical Applications Than Other Polymers?. Macromolecular Rapid Communications, 2012, 33, 1648-1662.	3.9	256
2	The chemistry of poly(2-oxazoline)s. European Polymer Journal, 2017, 88, 451-469.	5.4	207
3	Cytotoxicity of polycations: Relationship of molecular weight and the hydrolytic theory of the mechanism of toxicity. International Journal of Pharmaceutics, 2017, 521, 249-258.	5.2	153
4	Poly(2-ethyl-2-oxazoline) conjugates with doxorubicin for cancer therapy: InÂvitro and inÂvivo evaluation and direct comparison to poly[N-(2-hydroxypropyl)methacrylamide] analogues. Biomaterials, 2017, 146, 1-12.	11.4	84
5	Î¼PET 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). Journal of Controlled Release, 2016, 235, 63-71.	9.9	76
6	Defined High Molar Mass Poly(2â€Oxazoline)s. Angewandte Chemie - International Edition, 2018, 57, 15400-15404.	13.8	68
7	Systematic investigation of alkyl sulfonate initiators for the cationic ring-opening polymerization of 2-oxazolines revealing optimal combinations of monomers and initiators. European Polymer Journal, 2015, 65, 298-304.	5.4	63
8	Accelerated living cationic ring-opening polymerization of a methyl ester functionalized 2-oxazoline monomer. Polymer Chemistry, 2015, 6, 514-518.	3.9	58
9	Fast and accurate partial hydrolysis of poly(2-ethyl-2-oxazoline) into tailored linear polyethylenimine copolymers. Polymer Chemistry, 2014, 5, 4957-4964.	3.9	56
10	Synthesis of poly(2â€oxazoline)s with side chain methyl ester functionalities: Detailed understanding of living copolymerization behavior of methyl ester containing monomers with 2â€alkylâ€2â€oxazolines. Journal of Polymer Science Part A, 2015, 53, 2649-2661.	2.3	43
11	Sulfolane as Common Rate Accelerating Solvent for the Cationic Ring-Opening Polymerization of 2-Oxazolines. ACS Macro Letters, 2015, 4, 825-828.	4.8	39
12	Thermoresponsive hydrogels formed by poly(2-oxazoline) triblock copolymers. Polymer Chemistry, 2019, 10, 3480-3487.	3.9	35
13	Improved Synthesis of Linear Poly(ethylenimine) via Low-Temperature Polymerization of 2-Isopropyl-2-oxazoline in Chlorobenzene. Macromolecules, 2015, 48, 3197-3206.	4.8	34
14	Conformational properties of biocompatible poly(2-ethyl-2-oxazoline)s in phosphate buffered saline. Polymer Chemistry, 2018, 9, 2232-2237.	3.9	33
15	The Label Matters: Î¼PET Imaging of the Biodistribution of Low Molar Mass 89Zr and 18F-Labeled Poly(2-ethyl-2-oxazoline). Biomacromolecules, 2017, 18, 96-102.	5.4	32
16	Synthesis of defined high molar mass poly(2-methyl-2-oxazoline). Polymer Chemistry, 2019, 10, 1286-1290.	3.9	28
17	Cationic Ring-Opening Polymerization of 2-Propyl-2-oxazolines: Understanding Structural Effects on Polymerization Behavior Based on Molecular Modeling. ACS Macro Letters, 2013, 2, 651-654.	4.8	26
18	Bioresponsive Small Molecule Polyamines as Noncytotoxic Alternative to Polyethylenimine. Molecular Pharmaceutics, 2010, 7, 2040-2055.	4.6	24

#	Article	IF	Citations
19	Polycation-Mediated Transfection: Mechanisms of Internalization and Intracellular Trafficking. Biomacromolecules, 2021, 22, 4060-4083.	5.4	23
20	Ethyl acetate as solvent for the synthesis of poly(2-ethyl-2-oxazoline). Green Chemistry, 2020, 22, 1747-1753.	9.0	20
21	Poly(2-allylamidopropyl-2-oxazoline)-Based Hydrogels: From Accelerated Gelation Kinetics to In Vivo Compatibility in a Murine Subdermal Implant Model. Biomacromolecules, 2021, 22, 1590-1599.	5.4	11
22	Defined High Molar Mass Poly(2â€Oxazoline)s. Angewandte Chemie, 2018, 130, 15626-15630.	2.0	6
23	Mechanically versatile isosorbideâ€based thermoplastic copolyetherâ€esters with a poly(ethylene glycol) soft segment. Journal of Polymer Science, 0, , .	3.8	2