Maarten Vergaelen

List of Publications by Year
in descending order

21	728	567144 15	713332 21
papers	citations	h-index	g-index

21	21	21	834
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tannic Acid-Stabilized Self-Degrading Temperature-Sensitive Poly(2-n-propyl-2-oxazoline)/Gellan Gum Capsules for Lipase Delivery. ACS Applied Bio Materials, 2021, 4, 7134-7146.	2.3	6
2	Layer-by-Layer Assembled Hydrogen-Bonded Multilayer Poly(2-oxazoline) Membranes for Aqueous Separations. ACS Applied Polymer Materials, 2020, 2, 5398-5405.	2.0	7
3	Ethyl acetate as solvent for the synthesis of poly(2-ethyl-2-oxazoline). Green Chemistry, 2020, 22, 1747-1753.	4.6	20
4	Nanofibers with a tunable wettability by electrospinning and physical crosslinking of poly(2-n-propyl-2-oxazoline). Materials and Design, 2020, 192, 108747.	3.3	28
5	Influence of the Aliphatic Side Chain on the Near Atmospheric Pressure Plasma Polymerization of 2-Alkyl-2-oxazolines for Biomedical Applications. ACS Applied Materials & Interfaces, 2019, 11, 31356-31366.	4.0	17
6	Hydrogen-Bonded Multilayer Thin Films and Capsules Based on Poly(2-n-propyl-2-oxazoline) and Tannic Acid: Investigation on Intermolecular Forces, Stability, and Permeability. Langmuir, 2019, 35, 14712-14724.	1.6	13
7	Solvent-control over monomer distribution in the copolymerization of 2-oxazolines and the effect of a gradient structure on self-assembly. Polymer Chemistry, 2019, 10, 5116-5123.	1.9	12
8	Comparative study of the potential of poly(2-ethyl-2-oxazoline) as carrier in the formulation of amorphous solid dispersions of poorly soluble drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 144, 79-90.	2.0	25
9	Amidation of methyl ester side chain bearing poly(2-oxazoline)s with tyramine: a quest for a selective and quantitative approach. Polymer Chemistry, 2019, 10, 954-962.	1.9	29
10	Crosslinking of electrospun and bioextruded partially hydrolyzed poly(2-ethyl-2-oxazoline) using glutaraldehyde vapour. European Polymer Journal, 2019, 120, 109218.	2.6	13
11	Effect of crosslinking stage on photocrosslinking of benzophenone functionalized poly(2-ethyl-2-oxazoline) nanofibers obtained by aqueous electrospinning. European Polymer Journal, 2019, 112, 24-30.	2.6	32
12	Poly(2â€oxazoline)s: A comprehensive overview of polymer structures and their physical properties. Polymer International, 2018, 67, 32-45.	1.6	183
13	In Situ Cross-Linked Nanofibers by Aqueous Electrospinning of Selenol-Functionalized Poly(2-oxazoline)s. Macromolecules, 2018, 51, 6149-6156.	2.2	22
14	Hydrogen bonded capsules by layer-by-layer assembly of tannic acid and poly(2-n-propyl-2-oxazoline) for encapsulation and release of macromolecules. Journal of Materials Chemistry B, 2017, 5, 8967-8974.	2.9	25
15	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.	5.7	84
16	Aqueous electrospinning of poly(2-ethyl-2-oxazoline): Mapping the parameter space. European Polymer Journal, 2017, 88, 724-732.	2.6	22
17	Ultra-high performance size-exclusion chromatography in polar solvents. Journal of Chromatography A, 2016, 1478, 43-49.	1.8	6
18	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.	2.5	43

#	Article	IF	Citations
19	Sulfolane as Common Rate Accelerating Solvent for the Cationic Ring-Opening Polymerization of 2-Oxazolines. ACS Macro Letters, 2015, 4, 825-828.	2.3	39
20	Accelerated living cationic ring-opening polymerization of a methyl ester functionalized 2-oxazoline monomer. Polymer Chemistry, 2015, 6, 514-518.	1.9	58
21	Hydrogen Bonded Multilayer Films Based on Poly(2â€oxazoline)s and Tannic Acid. Advanced Healthcare Materials, 2014, 3, 2040-2047.	3.9	44