

# Maarten Vergaelen

## List of Publications by Year in descending order

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21  
papers

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citations

567144

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Poly(2-oxazoline)s: A comprehensive overview of polymer structures and their physical properties. <i>Polymer International</i> , 2018, 67, 32-45.	1.6	183
2	Poly(2-ethyl-2-oxazoline) conjugates with doxorubicin for cancer therapy: In vitro and in vivo evaluation and direct comparison to poly[N-(2-hydroxypropyl)methacrylamide] analogues. <i>Biomaterials</i> , 2017, 146, 1-12.	5.7	84
3	Accelerated living cationic ring-opening polymerization of a methyl ester functionalized 2-oxazoline monomer. <i>Polymer Chemistry</i> , 2015, 6, 514-518.	1.9	58
4	Hydrogen Bonded Multilayer Films Based on Poly(2-oxazoline)s and Tannic Acid. <i>Advanced Healthcare Materials</i> , 2014, 3, 2040-2047.	3.9	44
5	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-alkyl-2-oxazolines. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2649-2661.	2.5	43
6	Sulfolane as Common Rate Accelerating Solvent for the Cationic Ring-Opening Polymerization of 2-Oxazolines. <i>ACS Macro Letters</i> , 2015, 4, 825-828.	2.3	39
7	Effect of crosslinking stage on photocrosslinking of benzophenone functionalized poly(2-ethyl-2-oxazoline) nanofibers obtained by aqueous electrospinning. <i>European Polymer Journal</i> , 2019, 112, 24-30.	2.6	32
8	Amidation of methyl ester side chain bearing poly(2-oxazoline)s with tyramine: a quest for a selective and quantitative approach. <i>Polymer Chemistry</i> , 2019, 10, 954-962.	1.9	29
9	Nanofibers with a tunable wettability by electrospinning and physical crosslinking of poly(2-n-propyl-2-oxazoline). <i>Materials and Design</i> , 2020, 192, 108747.	3.3	28
10	Hydrogen bonded capsules by layer-by-layer assembly of tannic acid and poly(2-n-propyl-2-oxazoline) for encapsulation and release of macromolecules. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8967-8974.	2.9	25
11	Comparative study of the potential of poly(2-ethyl-2-oxazoline) as carrier in the formulation of amorphous solid dispersions of poorly soluble drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 144, 79-90.	2.0	25
12	Aqueous electrospinning of poly(2-ethyl-2-oxazoline): Mapping the parameter space. <i>European Polymer Journal</i> , 2017, 88, 724-732.	2.6	22
13	In Situ Cross-Linked Nanofibers by Aqueous Electrospinning of Selenol-Functionalized Poly(2-oxazoline)s. <i>Macromolecules</i> , 2018, 51, 6149-6156.	2.2	22
14	Ethyl acetate as solvent for the synthesis of poly(2-ethyl-2-oxazoline). <i>Green Chemistry</i> , 2020, 22, 1747-1753.	4.6	20
15	Influence of the Aliphatic Side Chain on the Near Atmospheric Pressure Plasma Polymerization of 2-Alkyl-2-oxazolines for Biomedical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31356-31366.	4.0	17
16	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. <i>Langmuir</i> , 2019, 35, 14712-14724.	1.6	13
17	Crosslinking of electrospun and bioextruded partially hydrolyzed poly(2-ethyl-2-oxazoline) using glutaraldehyde vapour. <i>European Polymer Journal</i> , 2019, 120, 109218.	2.6	13
18	Solvent-control over monomer distribution in the copolymerization of 2-oxazolines and the effect of a gradient structure on self-assembly. <i>Polymer Chemistry</i> , 2019, 10, 5116-5123.	1.9	12

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19	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
20	Ultra-high performance size-exclusion chromatography in polar solvents. Journal of Chromatography A, 2016, 1478, 43-49.	1.8	6
21	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