Bas van Bochove

List of Publications by Year
in descending order

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25 papers	613 citations	623734 14 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	772 citing authors

#	Article	IF	Citations
1	Injectable thiol-ene hydrogel of galactoglucomannan and cellulose nanocrystals in delivery of therapeutic inorganic ions with embedded bioactive glass nanoparticles. Carbohydrate Polymers, 2022, 276, 118780.	10.2	20
2	3D inkjet-printing of photo-crosslinkable resins for microlens fabrication. Additive Manufacturing, 2022, 50, 102534.	3.0	18
3	Patientâ€Specific Bioimplants and Reconstruction Plates for Mandibular Defects: Production Workflow and In Vivo Large Animal Model Study. Macromolecular Bioscience, 2022, 22, e2100398.	4.1	6
4	Mechanical properties of porous photo-crosslinked poly(trimethylene carbonate) network films. European Polymer Journal, 2021, 143, 110223.	5.4	9
5	On Laccase-Catalyzed Polymerization of Biorefinery Lignin Fractions and Alignment of Lignin Nanoparticles on the Nanocellulose Surface via One-Pot Water-Phase Synthesis. ACS Sustainable Chemistry and Engineering, 2021, 9, 8770-8782.	6.7	22
6	Polymeric drug delivery systems by additive manufacturing. Advanced Drug Delivery Reviews, 2021, 173, 349-373.	13.7	86
7	Additive Manufacturing of Bioactive Poly(trimethylene carbonate)/Î²-Tricalcium Phosphate Composites for Bone Regeneration. Biomacromolecules, 2020, 21, 366-375.	5.4	30
8	Robust shape-retaining nanocellulose-based aerogels decorated with silver nanoparticles for fast continuous catalytic discoloration of organic dyes. Separation and Purification Technology, 2020, 242, 116523.	7.9	54
9	Multiscale structural characterization of biocompatible poly(trimethylene carbonate) networks photo-cross-linked in a solvent. Polymer Testing, 2020, 90, 106740.	4.8	10
10	Native Structure of the Plant Cell Wall Utilized for Topâ€Down Assembly of Aligned Cellulose Nanocrystals into Micrometerâ€Sized Nanoporous Particles. Macromolecular Rapid Communications, 2020, 41, 2000201.	3.9	5
11	Synthesis and characterization of photo-crosslinked poly(carbonate anhydrides). EXPRESS Polymer Letters, 2020, 14, 358-367.	2.1	2
12	Developing Advanced Functional Polymers for Biomedical Applications. Biomacromolecules, 2020, 21, 273-275.	5.4	17
13	Improved Bone Regeneration in Rabbit Bone Defects Using 3D Printed Composite Scaffolds Functionalized with Osteoinductive Factors. ACS Applied Materials & Interfaces, 2020, 12, 48340-48356.	8.0	23
14	Photoâ€Crosslinked Elastomeric Bimodal Poly(trimethylene carbonate) Networks. Macromolecular Materials and Engineering, 2019, 304, 1800623.	3.6	12
15	Multiscale Structural Characterization of Biocompatible Poly(trimethylene carbonate) Photoreticulated Networks. ACS Applied Polymer Materials, 2019, 1, 1811-1820.	4.4	14
16	Photo-crosslinked synthetic biodegradable polymer networks for biomedical applications. Journal of Biomaterials Science, Polymer Edition, 2019, 30, 77-106.	3.5	65
17	Drug-releasing biopolymeric structures manufactured via stereolithography. Biomedical Physics and Engineering Express, 2019, 5, 025008.	1.2	22
18	Phaseâ€separated mixedâ€macromer hydrogel networks and scaffolds prepared by stereolithography. Polymers for Advanced Technologies, 2017, 28, 1212-1218.	3.2	11

#	Article	IF	Citations
19	Degradation behavior of, and tissue response to photoâ€crosslinked poly(trimethylene carbonate) networks. Journal of Biomedical Materials Research - Part A, 2016, 104, 2823-2832.	4.0	21
20	Moldâ€Based Application of Laserâ€Induced Periodic Surface Structures (LIPSS) on Biomaterials for Nanoscale Patterning. Macromolecular Bioscience, 2016, 16, 43-49.	4.1	12
21	Back Cover: Macromol. Biosci. 1/2016. Macromolecular Bioscience, 2016, 16, 168-168.	4.1	0
22	Preparation of Designed Poly(trimethylene carbonate) Meniscus Implants by Stereolithography: Challenges in Stereolithography. Macromolecular Bioscience, 2016, 16, 1853-1863.	4.1	49
23	Grafting a lubricious coating onto photoâ€crosslinked poly(trimethylene carbonate). Polymers for Advanced Technologies, 2015, 26, 1428-1432.	3.2	8
24	Biomaterials in search of a meniscus substitute. Biomaterials, 2014, 35, 3527-3540.	11.4	96
25	Tough biodegradable hydrogel scaffolds prepared by stereolithography. Frontiers in Bioengineering and Biotechnology, 0, 4, .	4.1	0