

Michela Abrami

List of Publications by Year in descending order

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27
papers

608
citations

759233

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27
all docs

27
docs citations

27
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential Applications of Nanocellulose-Containing Materials in the Biomedical Field. <i>Materials</i> , 2017, 10, 977.	2.9	113
2	Polysaccharides for the Delivery of Antitumor Drugs. <i>Materials</i> , 2015, 8, 2569-2615.	2.9	110
3	Insight into the ionotropic gelation of chitosan using tripolyphosphate and pyrophosphate as cross-linkers. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 476-483.	7.5	56
4	Physical characterization of alginate-Pluronic F127 gel for endoluminal NABDs delivery. <i>Soft Matter</i> , 2014, 10, 729-737.	2.7	39
5	Diels-Alder Hydrogels for Controlled Antibody Release: Correlation between Mesh Size and Release Rate. <i>Molecular Pharmaceutics</i> , 2015, 12, 3358-3368.	4.6	38
6	Dual stimuli-responsive polyurethane-based hydrogels as smart drug delivery carriers for the advanced treatment of chronic skin wounds. <i>Bioactive Materials</i> , 2021, 6, 3013-3024.	15.6	33
7	Polysaccharide-based hydrogels crosslink density equation: A rheological and LF-NMR study of polymer-polymer interactions. <i>Carbohydrate Polymers</i> , 2022, 277, 118895.	10.2	26
8	Strategies to optimize siRNA delivery to hepatocellular carcinoma cells. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 797-810.	5.0	25
9	Use of low-field NMR for the characterization of gels and biological tissues. <i>ADMET and DMPK</i> , 2018, 6, 34.	2.1	22
10	Engineering approaches in siRNA delivery. <i>International Journal of Pharmaceutics</i> , 2017, 525, 343-358.	5.2	21
11	Polymer-Mediated Delivery of siRNAs to Hepatocellular Carcinoma: Variables Affecting Specificity and Effectiveness. <i>Molecules</i> , 2018, 23, 777.	3.8	18
12	Trabecular bone porosity and pore size distribution in osteoporotic patients – A low field nuclear magnetic resonance and microcomputed tomography investigation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104933.	3.1	15
13	A novel approach based on low-field NMR for the detection of the pathological components of sputum in cystic fibrosis patients. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2323-2331.	3.0	14
14	Combined Used of Rheology and LF-NMR for the Characterization of PVP-Alginates Gels Containing Liposomes. <i>Pharmaceutical Research</i> , 2018, 35, 171.	3.5	14
15	Hydrophobically-Modified PEG Hydrogels with Controllable Hydrophilic/Hydrophobic Balance. <i>Polymers</i> , 2021, 13, 1489.	4.5	14
16	Keratin14 mRNA expression in human pneumocytes during quiescence, repair and disease. <i>PLoS ONE</i> , 2017, 12, e0172130.	2.5	8
17	Antibacterial drug release from a biphasic gel system: Mathematical modelling. <i>International Journal of Pharmaceutics</i> , 2019, 559, 373-381.	5.2	7
18	Combined use of rheology and portable low-field NMR in cystic fibrosis patients. <i>Respiratory Medicine</i> , 2021, 189, 106623.	2.9	7

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19	Theoretical Importance of PVP-Alginate Hydrogels Structure on Drug Release Kinetics. <i>Gels</i> , 2019, 5, 22.	4.5	5
20	Use of low field nuclear magnetic resonance to monitor lung inflammation and the amount of pathological components in the sputum of cystic fibrosis patients. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 427-436.	3.0	5
21	Mathematical Modeling of Drug Release from Natural Polysaccharides Based Matrices. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	4
22	Effect of Process Conditions and Colloidal Properties of Cellulose Nanocrystals Suspensions on the Production of Hydrogel Beads. <i>Molecules</i> , 2021, 26, 2552.	3.8	3
23	Dissolution of an ensemble of differently shaped poly-dispersed drug particles undergoing solubility reduction: mathematical modelling. <i>ADMET and DMPK</i> , 2020, 8, 297-313.	2.1	3
24	Effect of chest physiotherapy on cystic fibrosis sputum nanostructure: an experimental and theoretical approach. <i>Drug Delivery and Translational Research</i> , 2022, 12, 1943-1958.	5.8	3
25	Characterization of PLLA scaffolds for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 469-477.	3.4	2
26	Thermal gelation modeling of a pluronicâ€alginate blend following coronary angioplasty. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48539.	2.6	2
27	Dynamometric measurements of hydrogels' mechanical spectra. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50702.	2.6	1