Nicola J Irwin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7820615/publications.pdf

Version: 2024-02-01

16	929	840776	940533
papers	citations	11 h-index	16 g-index

17	17	17	1363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and characterization of hyaluronic acid hydrogels crosslinked using a solvent-free process for potential biomedical applications. Carbohydrate Polymers, 2018, 181, 1194-1205.	10.2	195
2	Antioxidant PLA Composites Containing Lignin for 3D Printing Applications: A Potential Material for Healthcare Applications. Pharmaceutics, 2019, 11, 165.	4.5	186
3	Synthesis and Characterization of Lignin Hydrogels for Potential Applications as Drug Eluting Antimicrobial Coatings for Medical Materials. ACS Sustainable Chemistry and Engineering, 2018, 6, 9037-9046.	6.7	161
4	Hydrogel-Forming Microneedle Arrays Made from Light-Responsive Materials for On-Demand Transdermal Drug Delivery. Molecular Pharmaceutics, 2016, 13, 907-914.	4.6	117
5	Lignin/poly(butylene succinate) composites with antioxidant and antibacterial properties for potential biomedical applications. International Journal of Biological Macromolecules, 2020, 145, 92-99.	7.5	116
6	An Infection-Responsive Approach To Reduce Bacterial Adhesion in Urinary Biomaterials. Molecular Pharmaceutics, 2016, 13, 2817-2822.	4.6	26
7	Infection-Responsive Drug Delivery from Urinary Biomaterials Controlled by a Novel Kinetic and Thermodynamic Approach. Pharmaceutical Research, 2013, 30, 857-865.	3.5	24
8	Anti-Adherent Biomaterials for Prevention of Catheter Biofouling. International Journal of Pharmaceutics, 2018, 535, 420-427.	5.2	18
9	Engaging a Battle on Two Fronts: Dual Role of Polyphosphates as Potent Inhibitors of Struvite Nucleation and Crystal Growth. Chemistry of Materials, 2020, 32, 8672-8682.	6.7	18
10	Timeâ€Resolved Dynamics of Struvite Crystallization: Insights from the Macroscopic to Molecular Scale. Chemistry - A European Journal, 2020, 26, 3555-3563.	3.3	17
11	Systematic optimization of poly(vinyl chloride) surface modification with an aromatic thiol. European Polymer Journal, 2017, 97, 40-48.	5.4	15
12	Hot-melt extrusion of photodynamic antimicrobial polymers for prevention of microbial contamination. Journal of Photochemistry and Photobiology B: Biology, 2021, 214, 112098.	3.8	12
13	Multifunctional, Low Friction, Antimicrobial Approach for Biomaterial Surface Enhancement. ACS Applied Bio Materials, 2020, 3, 1385-1393.	4.6	11
14	Photochemically Controlled Drug Dosing from a Polymeric Scaffold. Pharmaceutical Research, 2017, 34, 1469-1476.	3.5	8
15	Use of in vitro and haptic assessments in the characterisation of surface lubricity. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 84-90.	1.8	3
16	Infection-Triggered, Self-Cleaning Surfaces with On-Demand Cleavage of Surface-Localized Surfactant Moieties. ACS Biomaterials Science and Engineering, 2021, 7, 586-594.	5.2	2