

Andrea Travan

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,696
citations

331259

21
h-index

329751

37
g-index

38
all docs

38
docs citations

38
times ranked

2964
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of hyaluronan-based membranes for the healing of intestinal surgical wounds: a preliminary study. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 60.	1.7	1
2	Chitosan-based films with incorporated supercritical CO ₂ hop extract: Structural, physicochemical, and antibacterial properties. <i>Carbohydrate Polymers</i> , 2019, 219, 261-268.	5.1	47
3	Nucleation, reorganization and disassembly of an active network from lactose-modified chitosan mimicking biological matrices. <i>Carbohydrate Polymers</i> , 2019, 208, 451-456.	5.1	17
4	Exploiting natural polysaccharides to enhance in vitro bio-constructs of primary neurons and progenitor cells. <i>Acta Biomaterialia</i> , 2018, 73, 285-301.	4.1	28
5	Alginate membranes loaded with hyaluronic acid and silver nanoparticles to foster tissue healing and to control bacterial contamination of non-healing wounds. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 22.	1.7	46
6	Antibacterial nanocomposite bone filler based on silver nanoparticles and polysaccharides. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e747-e759.	1.3	14
7	Mimicking mechanical response of natural tissues. Strain hardening induced by transient reticulation in lactose-modified chitosan (chitlac). <i>International Journal of Biological Macromolecules</i> , 2018, 106, 656-660.	3.6	21
8	Adhesive coatings based on melanin-like nanoparticles for surgical membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 553-559.	2.5	20
9	Mechanical and Drug Release Properties of Sponges from Crosslinked Cellulose Nanofibers. <i>ChemPlusChem</i> , 2017, 82, 848-858.	1.3	45
10	Boric Acid Induced Transient Cross-Links in Lactose-Modified Chitosan (Chitlac). <i>Biomacromolecules</i> , 2017, 18, 4206-4213.	2.6	21
11	Innovative thermal and acoustic insulation foam from recycled waste glass powder. <i>Journal of Cleaner Production</i> , 2017, 165, 1306-1315.	4.6	67
12	On the demixing of hyaluronan and alginate in the gel state. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 49-53.	3.6	1
13	Hyaluronan delivery by polymer demixing in polysaccharide-based hydrogels and membranes for biomedical applications. <i>Carbohydrate Polymers</i> , 2016, 150, 408-418.	5.1	34
14	Enhanced bioadhesivity of dopamine-functionalized polysaccharidic membranes for general surgery applications. <i>Acta Biomaterialia</i> , 2016, 44, 232-242.	4.1	53
15	H ₂ O ₂ Causes Improved Adhesion Between a Polysaccharide-based Membrane and Intestinal Serosa. <i>Colloids and Interface Science Communications</i> , 2016, 15, 5-8.	2.0	2
16	Cell-protection mechanism through autophagy in HGFs/S. mitis co-culture treated with Chitlac-nAg. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 186.	1.7	9
17	Adhesive and sealant interfaces for general surgery applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 626-639.	1.6	122
18	Alginate-Hydroxyapatite Bone Scaffolds with Isotropic or Anisotropic Pore Structure: Material Properties and Biological Behavior. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 989-1000.	1.7	29

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19	Silver-containing antimicrobial membrane based on chitosan-TPP hydrogel for the treatment of wounds. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 128.	1.7	43
20	Rheology of mixed alginate-hyaluronan aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2015, 78, 363-369.	3.6	6
21	Inkjet printing of Chitlac-nanosilver as a method to create functional coatings for non-metallic bone implants. <i>Biofabrication</i> , 2014, 6, 041001.	3.7	16
22	Polysaccharide-Based Networks from Homogeneous Chitosan-Tripolyphosphate Hydrogels: Synthesis and Characterization. <i>Biomacromolecules</i> , 2014, 15, 3396-3405.	2.6	73
23	Determination of the Composition for Binary Mixtures of Polyanions: The Case of Mixed Solutions of Alginate and Hyaluronan. <i>Biomacromolecules</i> , 2014, 15, 1069-1073.	2.6	3
24	Biological Responses of Human Gingival Fibroblasts (HGFs) in an Innovative Co-Culture Model with <i>Streptococcus mitis</i> to Thermosets Coated with a Silver Polysaccharide Antimicrobial System. <i>PLoS ONE</i> , 2014, 9, e96520.	1.1	17
25	In vitro antimicrobial properties of silver-polysaccharide coatings on porous fiber-reinforced composites for bone implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2775-2785.	1.7	22
26	Biological responses of silver-coated thermosets: An in vitro and in vivo study. <i>Acta Biomaterialia</i> , 2013, 9, 5088-5099.	4.1	60
27	Polysaccharide-Based Polyanion-Polycation Polyanion Ternary Systems in the Concentrated Regime and Hydrogel Form. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1309-1320.	1.1	14
28	Nano-composite scaffolds for bone tissue engineering containing silver nanoparticles: preparation, characterization and biological properties. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1799-1807.	1.7	114
29	The Effect of a Silver Nanoparticle Polysaccharide System on Streptococcal and Saliva-Derived Biofilms. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13615-13625.	1.8	34
30	Degradation of Silver-Polysaccharide Nanocomposite in Solution and as Coating on Fiber-Reinforced Composites by Lysozyme and Hydrogen Peroxide. <i>Biomacromolecules</i> , 2012, 13, 2605-2608.	2.6	10
31	Polysaccharide-Coated Thermosets for Orthopedic Applications: From Material Characterization to In Vivo Tests. <i>Biomacromolecules</i> , 2012, 13, 1564-1572.	2.6	43
32	Polysaccharide-Based Polyanion-Polycation Polyanion Ternary Systems. A Preliminary Analysis of Interpolyelectrolyte Interactions in Dilute Solutions. <i>Biomacromolecules</i> , 2011, 12, 4044-4056.	2.6	17
33	Biological response of hydrogels embedding gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 331-339.	2.5	63
34	Silver-polysaccharide nanocomposite antimicrobial coatings for methacrylic thermosets. <i>Acta Biomaterialia</i> , 2011, 7, 337-346.	4.1	120
35	Surface Modification and Polysaccharide Deposition on BisGMA/TEGDMA Thermoset. <i>Biomacromolecules</i> , 2010, 11, 583-592.	2.6	28
36	Polyol Synthesis of Silver Nanoparticles: Mechanism of Reduction by Alditol Bearing Polysaccharides. <i>Biomacromolecules</i> , 2009, 10, 210-213.	2.6	54

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37	Non-cytotoxic Silver Nanoparticle-Polysaccharide Nanocomposites with Antimicrobial Activity. <i>Biomacromolecules</i> , 2009, 10, 1429-1435.	2.6	377