

Marta Roldo

List of Publications by Citations

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37
papers

1,100
citations

16
h-index

33
g-index

41
ext. papers

1,266
ext. citations

5.3
avg, IF

4.46
L-index

#	Paper	IF	Citations
37	Mucoadhesive thiolated chitosans as platforms for oral controlled drug delivery: synthesis and in vitro evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004 , 57, 115-21	5.7	240
36	3D Printing and Electrospinning of Composite Hydrogels for Cartilage and Bone Tissue Engineering. <i>Polymers</i> , 2018 , 10,	4.5	96
35	Composite Hydrogels for Bone Regeneration. <i>Materials</i> , 2016 , 9,	3.5	84
34	Thermosensitive hydrogels for nasal drug delivery: the formulation and characterisation of systems based on N-trimethyl chitosan chloride. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 77, 225-32	5.7	82
33	Composite chitosan/alginate hydrogel for controlled release of deferoxamine: A system to potentially treat iron dysregulation diseases. <i>Carbohydrate Polymers</i> , 2016 , 136, 1338-47	10.3	66
32	Azo compounds in colon-specific drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2007 , 4, 547-60	8	63
31	In vitro and in silico investigations of drug delivery via zeolite BEA. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7789		50
30	Poly(ethylene glycol)-avidin bioconjugates: suitable candidates for tumor pretargeting. <i>Journal of Controlled Release</i> , 2002 , 83, 97-108	11.7	44
29	Injectable scaffolds for bone regeneration. <i>Langmuir</i> , 2014 , 30, 12977-85	4	43
28	Biomedical applications of carbon nanotubes. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2013 , 109, 10		42
27	Silver Nanowires: Synthesis, Antibacterial Activity and Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 673	2.6	30
26	Hollow-layered nanoparticles for therapeutic delivery of peptide prepared using electrospraying. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 256	4.5	22
25	Chitosan derivatives alter release profiles of model compounds from calcium phosphate implants. <i>Carbohydrate Research</i> , 2009 , 344, 901-7	2.9	21
24	A once-a-day dosage form for the delivery of insulin through the nasal route: in vitro assessment and in vivo evaluation. <i>Biomaterials Science</i> , 2013 , 1, 306-314	7.4	18
23	N-Octyl-O-sulfate chitosan stabilises single wall carbon nanotubes in aqueous media and bestows biocompatibility. <i>Nanoscale</i> , 2009 , 1, 366-73	7.7	18
22	Sustained Release from Injectable Composite Gels Loaded with Silver Nanowires Designed to Combat Bacterial Resistance in Bone Regeneration Applications. <i>Pharmaceutics</i> , 2019 , 11,	6.4	16
21	Hierarchical electrospun tendon-ligament bioinspired scaffolds induce changes in fibroblasts morphology under static and dynamic conditions. <i>Journal of Microscopy</i> , 2020 , 277, 160-169	1.9	16

20	Influence of the Mechanical Environment on the Regeneration of Osteochondral Defects. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 603408	5.8	16
19	Hydrogels in mucosal delivery. <i>Therapeutic Delivery</i> , 2012 , 3, 535-55	3.8	13
18	Synthesis of carbon nanotubes loaded hydroxyapatite: Potential for controlled drug release from bone implants. <i>Journal of Advanced Ceramics</i> , 2016 , 5, 232-243	10.7	12
17	Novel biocompatible chitosan decorated single-walled carbon nanotubes (SWNTs) for biomedical applications: theoretical and experimental investigations. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 15636-43	3.6	12
16	Carbon nanotubes play an important role in the spatial arrangement of calcium deposits in hydrogels for bone regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 126	4.5	11
15	Stabilisation of SWNTs by alkyl-sulfate chitosan derivatives of different molecular weight: towards the preparation of hybrids with anticoagulant properties. <i>Nanoscale</i> , 2011 , 3, 1218-24	7.7	10
14	Antibacterial PMMA Composite Cements with Tunable Thermal and Mechanical Properties. <i>ACS Omega</i> , 2019 , 4, 19664-19675	3.9	10
13	Prolonged skin retention of clobetasol propionate by bio-based microemulsions: a potential tool for scalp psoriasis treatment. <i>Drug Development and Industrial Pharmacy</i> , 2018 , 44, 398-406	3.6	10
12	Automatic diameter and orientation distribution determination of fibrous materials in micro X-ray CT imaging data. <i>Journal of Microscopy</i> , 2018 , 272, 180-195	1.9	8
11	Investigation of Cytotoxicity and Cell Uptake of Cationic Beta-Cyclodextrins as Valid Tools in Nasal Delivery. <i>Pharmaceutics</i> , 2020 , 12,	6.4	6
10	Evaluation of Antibacterial and Cytotoxicity Properties of Silver Nanowires and Their Composites with Carbon Nanotubes for Biomedical Applications. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
9	Investigations of octylglyceryl dextran-graft-poly(lactic acid) nanoparticles for peptide delivery to the brain. <i>Nanomedicine</i> , 2017 , 12, 879-892	5.6	5
8	Chitosan-Derivative Based Hydrogels as Drug Delivery Platforms: Applications in Drug Delivery and Tissue Engineering. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2011 , 351-376	0.5	5
7	Orally administered, colon-specific mucoadhesive azopolymer particles for the treatment of inflammatory bowel disease: An in vivo study. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 79, 706-15	5.4	5
6	Full-field strain of regenerated bone tissue in a femoral fracture model. <i>Journal of Microscopy</i> , 2020 ,	1.9	4
5	Harnessing the Antibacterial Properties of Fluoridated Chitosan Polymers against Oral Biofilms.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	2
4	Reduction of oral liquid controlled drugs discrepancy in day-to-day practice. <i>International Journal of Pharmacy Practice</i> , 2021 , 29, 356-361	1.7	1
3	Enhancing the antibacterial effect of chitosan to combat orthopaedic implant-associated infections.. <i>Carbohydrate Polymers</i> , 2022 , 289, 119385	10.3	0

- 2 Open-porous magnesium-based scaffolds withstand corrosion under cyclic loading: A mechanistic study.. *Bioactive Materials*, **2023**, 19, 406-417 16.7 0
- 1 Volumetric Simulation of Nano-Fibres and 2D SEM and 3D XCT Imaging Processes. *Communications in Computer and Information Science*, **2020**, 436-445 0.3