Marta Roldo

List of Publications by Year in Descending Order

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	Open-porous magnesium-based scaffolds withstand corrosion under cyclic loading: A mechanistic study.. *Bioactive Materials*, **2023**, 19, 406-417	16.7	0
36	Harnessing the Antibacterial Properties of Fluoridated Chitosan Polymers against Oral Biofilms.. *Pharmaceutics*, **2022**, 14,	6.4	2
35	Enhancing the antibacterial effect of chitosan to combat orthopaedic implant-associated infections.. *Carbohydrate Polymers*, **2022**, 289, 119385	10.3	0
34	Reduction of oral liquid controlled drugs discrepancy in day-to-day practice. *International Journal of Pharmacy Practice*, **2021**, 29, 356-361	1.7	1
33	Influence of the Mechanical Environment on the Regeneration of Osteochondral Defects. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 603408	5.8	16
32	Full-field strain of regenerated bone tissue in a femoral fracture model. *Journal of Microscopy*, **2020** ,	1.9	4
31	Volumetric Simulation of Nano-Fibres and 2D SEM and 3D XCT Imaging Processes. *Communications in Computer and Information Science*, **2020**, 436-445	0.3	
30	Investigation of Cytotoxicity and Cell Uptake of Cationic Beta-Cyclodextrins as Valid Tools in Nasal Delivery. *Pharmaceutics*, **2020**, 12,	6.4	6
29	Hierarchical electrospun tendon-ligament bioinspired scaffolds induce changes in fibroblasts morphology under static and dynamic conditions. *Journal of Microscopy*, **2020**, 277, 160-169	1.9	16
28	Evaluation of Antibacterial and Cytotoxicity Properties of Silver Nanowires and Their Composites with Carbon Nanotubes for Biomedical Applications. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
27	Sustained Release from Injectable Composite Gels Loaded with Silver Nanowires Designed to Combat Bacterial Resistance in Bone Regeneration Applications. *Pharmaceutics*, **2019**, 11,	6.4	16
26	Antibacterial PMMA Composite Cements with Tunable Thermal and Mechanical Properties. *ACS Omega*, **2019**, 4, 19664-19675	3.9	10
25	Automatic diameter and orientation distribution determination of fibrous materials in micro X-ray CT imaging data. *Journal of Microscopy*, **2018**, 272, 180-195	1.9	8
24	3D Printing and Electrospinning of Composite Hydrogels for Cartilage and Bone Tissue Engineering. *Polymers*, **2018**, 10,	4.5	96
23	Silver Nanowires: Synthesis, Antibacterial Activity and Biomedical Applications. *Applied Sciences (Switzerland)*, **2018**, 8, 673	2.6	30
22	Prolonged skin retention of clobetasol propionate by bio-based microemulsions: a potential tool for scalp psoriasis treatment. *Drug Development and Industrial Pharmacy*, **2018**, 44, 398-406	3.6	10
21	Investigations of octylglyceryl dextran-graft-poly(lactic acid) nanoparticles for peptide delivery to the brain. *Nanomedicine*, **2017**, 12, 879-892	5.6	5

20	Synthesis of carbon nanotubes loaded hydroxyapatite: Potential for controlled drug release from bone implants. *Journal of Advanced Ceramics*, **2016**, 5, 232-243	10.7	12
19	Carbon nanotubes play an important role in the spatial arrangement of calcium deposits in hydrogels for bone regeneration. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 126	4.5	11
18	Composite chitosan/alginate hydrogel for controlled release of deferoxamine: A system to potentially treat iron dysregulation diseases. *Carbohydrate Polymers*, **2016**, 136, 1338-47	10.3	66
17	Composite Hydrogels for Bone Regeneration. *Materials*, **2016**, 9,	3.5	84
16	Hollow-layered nanoparticles for therapeutic delivery of peptide prepared using electrospraying. *Journal of Materials Science: Materials in Medicine*, **2015**, 26, 256	4.5	22
15	Injectable scaffolds for bone regeneration. *Langmuir*, **2014**, 30, 12977-85	4	43
14	A once-a-day dosage form for the delivery of insulin through the nasal route: in vitro assessment and in vivo evaluation. *Biomaterials Science*, **2013**, 1, 306-314	7.4	18
13	Biomedical applications of carbon nanotubes. *Annual Reports on the Progress of Chemistry Section C*, **2013**, 109, 10		42
12	Hydrogels in mucosal delivery. *Therapeutic Delivery*, **2012**, 3, 535-55	3.8	13
11	Thermosensitive hydrogels for nasal drug delivery: the formulation and characterisation of systems based on N-trimethyl chitosan chloride. *European Journal of Pharmaceutics and Biopharmaceutics*, **2011**, 77, 225-32	5.7	82
10	Stabilisation of SWNTs by alkyl-sulfate chitosan derivatives of different molecular weight: towards the preparation of hybrids with anticoagulant properties. *Nanoscale*, **2011**, 3, 1218-24	7.7	10
9	Chitosan-Derivative Based Hydrogels as Drug Delivery Platforms: Applications in Drug Delivery and Tissue Engineering. *Studies in Mechanobiology, Tissue Engineering and Biomaterials*, **2011**, 351-376	0.5	5
8	In vitro and in silico investigations of drug delivery viazeolite BEA. *Journal of Materials Chemistry*, **2011**, 21, 7789		50
7	Novel biocompatible chitosan decorated single-walled carbon nanotubes (SWNTs) for biomedical applications: theoretical and experimental investigations. *Physical Chemistry Chemical Physics*, **2010**, 12, 15636-43	3.6	12
6	Chitosan derivatives alter release profiles of model compounds from calcium phosphate implants. *Carbohydrate Research*, **2009**, 344, 901-7	2.9	21
5	N-Octyl-O-sulfate chitosan stabilises single wall carbon nanotubes in aqueous media and bestows biocompatibility. *Nanoscale*, **2009**, 1, 366-73	7.7	18
4	Azo compounds in colon-specific drug delivery. *Expert Opinion on Drug Delivery*, **2007**, 4, 547-60	8	63
3	Orally administered, colon-specific mucoadhesive azopolymer particles for the treatment of inflammatory bowel disease: An in vivo study. *Journal of Biomedical Materials Research - Part A*, **2006**, 79, 706-15	5.4	5

2	Mucoadhesive thiolated chitosans as platforms for oral controlled drug delivery: synthesis and in vitro evaluation. *European Journal of Pharmaceutics and Biopharmaceutics*, **2004**, 57, 115-21	5.7	240
1	Poly(ethylene glycol)-avidin bioconjugates: suitable candidates for tumor pretargeting. *Journal of Controlled Release*, **2002**, 83, 97-108	11.7	44