Anna Maria Piras

List of Publications by Year
in descending order

60	2,571	218592	189801
papers	citations	26 h-index	50 g-index

64	64	64	4106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thiolated Hydroxypropyl-Î²-cyclodextrin: A Potential Multifunctional Excipient for Ocular Drug Delivery. International Journal of Molecular Sciences, 2022, 23, 2612.	1.8	22
2	Saffron extract self-assembled nanoparticles to prolong the precorneal residence of crocin. Journal of Drug Delivery Science and Technology, 2022, 74, 103580.	1.4	2
3	Antivirulence Properties of a Low-Molecular-Weight Quaternized Chitosan Derivative against Pseudomonas aeruginosa. Microorganisms, 2021, 9, 912.	1.6	6
4	The Potential Role of Aerosolized Phosphodiesterase 3 Inhibitor Enoximone in the Management of Coronavirus Disease 2019 Hypoxemia: A Case Report. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2021, 34, 262-264.	0.7	1
5	Nanoparticles Based on Quaternary Ammonium Chitosan-methyl-Î²-cyclodextrin Conjugate for the Neuropeptide Dalargin Delivery to the Central Nervous System: An In Vitro Study. Pharmaceutics, 2021, 13, 5.	2.0	12
6	Combination of Two Kinds of Medicated Microparticles Based on Hyaluronic Acid or Chitosan for a Wound Healing Spray Patch. Pharmaceutics, 2021, 13, 2195.	2.0	9
7	Binding and mucoadhesion of sulfurated derivatives of quaternary ammonium-chitosans and their nanoaggregates: An NMR investigation. Journal of Pharmaceutical and Biomedical Analysis, 2020, 177, 112852.	1.4	12
8	Cell membrane coated nanocarriers - an efficient biomimetic platform for targeted therapy. Journal of Controlled Release, 2020, 327, 546-570.	4.8	121
9	Repurposing of Plasminogen: An Orphan Medicinal Product Suitable for SARS-CoV-2 Inhalable Therapeutics. Pharmaceuticals, 2020, 13, 425.	1.7	4
10	2-Methyl-Î²-cyclodextrin grafted ammonium chitosan: synergistic effects of cyclodextrin host and polymer backbone in the interaction with amphiphilic prednisolone phosphate salt as revealed by NMR spectroscopy. International Journal of Pharmaceutics, 2020, 587, 119698.	2.6	8
11	Quaternary Ammonium Chitosans: The Importance of the Positive Fixed Charge of the Drug Delivery Systems. International Journal of Molecular Sciences, 2020, 21, 6617.	1.8	34
12	Antioxidant Effect of Cocoa By-Product and Cherry Polyphenol Extracts: A Comparative Study. Antioxidants, 2020, 9, 132.	2.2	16
13	Improvement of Peptide Affinity and Stability by Complexing to Cyclodextrin-Grafted Ammonium Chitosan. Polymers, 2020, 12, 474.	2.0	11
14	pH-Responsive Carboxymethylcellulose Nanoparticles for 68Ga-WBC Labeling in PET Imaging. Polymers, 2019, 11, 1615.	2.0	9
15	A New Calcium Oral Controlled-Release System Based on Zeolite for Prevention of Osteoporosis. Nutrients, 2019, 11, 2467.	1.7	3
16	Anti-Inflammatory Effect of Cherry Extract Loaded in Polymeric Nanoparticles: Relevance of Particle Internalization in Endothelial Cells. Pharmaceutics, 2019, 11, 500.	2.0	18
17	Impact of Different Mucoadhesive Polymeric Nanoparticles Loaded in Thermosensitive Hydrogels on Transcorneal Administration of 5-Fluorouracil. Pharmaceutics, 2019, 11, 623.	2.0	25
18	Antibacterial, Antibiofilm, and Antiadhesive Properties of Different Quaternized Chitosan Derivatives. International Journal of Molecular Sciences, 2019, 20, 6297.	1.8	37

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19	A water-soluble, mucoadhesive quaternary ammonium chitosan-methyl-Î²-cyclodextrin conjugate forming inclusion complexes with dexamethasone. Journal of Materials Science: Materials in Medicine, 2018, 29, 42.	1.7	26
20	Endothelial progenitor cell secretome delivered by novel polymeric nanoparticles in ischemic hindlimb. International Journal of Pharmaceutics, 2018, 542, 82-89.	2.6	23
21	Chitosan-Based Nanoparticles Containing Cherry Extract from Prunus avium L. to Improve the Resistance of Endothelial Cells to Oxidative Stress. Nutrients, 2018, 10, 1598.	1.7	29
22	Methyl-β-cyclodextrin quaternary ammonium chitosan conjugate: nanoparticles vs macromolecular soluble complex. International Journal of Nanomedicine, 2018, Volume 13, 2531-2541.	3.3	19
23	Effect of Tumor Relevant Acidic Environment in the Interaction of a N-hydroxyindole-2-Carboxylic Derivative with the Phospholipid Bilayer. Pharmaceutical Research, 2018, 35, 175.	1.7	3
24	Impact of mucoadhesive polymeric nanoparticulate systems on oral bioavailability of a macromolecular model drug. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 281-289.	2.0	35
25	Modelling of pancreatic ductal adenocarcinoma in vitro with three-dimensional microstructured hydrogels. RSC Advances, 2016, 6, 54226-54235.	1.7	33
26	Perspectives on polymeric nanostructures for the therapeutic application of antimicrobial peptides. Nanomedicine, 2016, 11, 1729-1744.	1.7	44
27	Levofloxacin-loaded star poly(Îµ-caprolactone) scaffolds by additive manufacturing. Journal of Materials Science: Materials in Medicine, 2016, 27, 44.	1.7	39
28	Chitosan Nanoparticles for the Linear Release of Model Cationic Peptide. Pharmaceutical Research, 2015, 32, 2259-2265.	1.7	32
29	MR imaging and targeting of human breast cancer cells with folate decorated nanoparticles. RSC Advances, 2015, 5, 39760-39770.	1.7	12
30	Chitosan nanoparticles loaded with the antimicrobial peptide temporin B exert a long-term antibacterial activity in vitro against clinical isolates of Staphylococcus epidermidis. Frontiers in Microbiology, 2015, 06, 372.	1.5	146
31	Preparation, physicalâ€“chemical and biological characterization of chitosan nanoparticles loaded with lysozyme. International Journal of Biological Macromolecules, 2014, 67, 124-131.	3.6	59
32	Surface decorated poly(ester-ether-urethane)s nanoparticles: A versatile approach towards clinical translation. International Journal of Pharmaceutics, 2014, 475, 523-535.	2.6	8
33	Magnetism and spin dynamics of novel encapsulated iron oxide superparamagnetic nanoparticles. Dalton Transactions, 2013, 42, 10282.	1.6	4
34	Doxorubicin Loaded Polyurethanes Nanoparticles. Nano Biomedicine and Engineering, 2012, 4, .	0.3	11
35	2-Methoxy Aniline Grafted Poly(maleic anhydride-alt-butyl vinyl ether) Hemiester: A New Biocompatible Polymeric Free Radical Scavenger. Macromolecules, 2011, 44, 848-856.	2.2	12
36	Fibrin acts as biomimetic niche inducing both differentiation and stem cell marker expression of early human endothelial progenitor cells. Cell Proliferation, 2011, 44, 33-48.	2.4	86

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37	Hemoglobin loaded polymeric nanoparticles: Preparation and characterizations. European Journal of Pharmaceutical Sciences, 2011, 43, 57-64.	1.9	20
38	Statistical approach to the spectroscopic determination of the deacetylation degree of chitins and chitosans. Carbohydrate Polymers, 2011, 86, 65-71.	5.1	13
39	Polymeric nanostructured items electrospun on a cylindrical template: a simple procedure for their removal. Polymer International, 2011, 60, 1162-1166.	1.6	8
40	Optimized electro- and wet-spinning techniques for the production of polymeric fibrous scaffolds loaded with bisphosphonate and hydroxyapatite. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, 253-263.	1.3	77
41	Dead Sea Minerals loaded polymeric nanoparticles. Colloids and Surfaces B: Biointerfaces, 2011, 87, 236-242.	2.5	11
42	A novel Electrospinning Procedure for the Production of Straight Aligned and Winded Fibers. Nano Biomedicine and Engineering, 2011, 3, .	0.3	3
43	Development of Electrospun Threeâ€arm Star Poly(Îµâ€caprolactone) Meshes for Tissue Engineering Applications. Macromolecular Bioscience, 2010, 10, 887-897.	2.1	41
44	Polymeric materials for bone and cartilage repair. Progress in Polymer Science, 2010, 35, 403-440.	11.8	788
45	Poly(lactic-co-glycolic acid) electrospun fibrous meshes for the controlled release of retinoic acid. Acta Biomaterialia, 2010, 6, 1258-1268.	4.1	95
46	Chitosan-Based Beads for Controlled Release of Proteins. , 2009, , 111-120.		6
47	Bioactive Polymeric Materials for Targeted Administration of Active Agents: Synthesis and Evaluation. Macromolecular Bioscience, 2008, 8, 516-525.	2.1	18
48	Polymeric nanoparticles for hemoglobin-based oxygen carriers. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1454-1461.	1.1	47
49	A new biocompatible nanoparticle delivery system for the release of fibrinolytic drugs. International Journal of Pharmaceutics, 2008, 357, 260-271.	2.6	46
50	Micro/nanostructured polymeric systems for biomedical and pharmaceutical applications. Nanomedicine, 2008, 3, 367-393.	1.7	81
51	Electrospun Polymeric Meshes for Application in Tissue Engineering. Biomedicine and Pharmacotherapy, 2008, 62, 489-490.	2.5	2
52	Preparation and Characterization of Retinoic Acidic Loaded Nanoparticles for Cancer Therapy. Biomedicine and Pharmacotherapy, 2008, 62, 492.	2.5	1
53	New Multicomponent Bioerodible Electrospun Nanofibers for Dual-controlled Drug Release. Journal of Bioactive and Compatible Polymers, 2008, 23, 423-443.	0.8	43
54	Diclofenac sodium (DS) loaded bioerodible polymer based constructs. AIP Conference Proceedings, 2008, , .	0.3	0

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55	Biodegradable Nanomats Produced by Electrospinning: Expanding Multifunctionality and Potential for Tissue Engineering. Journal of Nanoscience and Nanotechnology, 2007, 7, 862-882.	0.9	71
56	Intracellular Fate Investigation of Bio-Eliminable Polymeric Nanoparticles by Confocal Laser Scanning Microscopy. Journal of Bioactive and Compatible Polymers, 2007, 22, 667-685.	0.8	4
57	Bioeliminable polymeric nanoparticles for proteic drug delivery. International Journal of Pharmaceutics, 2007, 343, 90-97.	2.6	22
58	Biodegradable Nanomats Produced by Electrospinning: Expanding Multifunctionality and Potential for Tissue Engineering. Journal of Nanoscience and Nanotechnology, 2006, 6, 2693-2711.	0.9	42
59	Development of Diclofenac Sodium Releasing Bio-Erodible Polymeric Nanomats. Journal of Nanoscience and Nanotechnology, 2006, 6, 3310-3320.	0.9	37
60	Novel Agmatine-Containing Poly(amidoamine) Hydrogels as Scaffolds for Tissue Engineering. Biomacromolecules, 2005, 6, 2229-2235.	2.6	70