

# Ylenia Zambito

## List of Publications by Year in descending order

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70  
papers

2,404  
citations

159585

30  
h-index

223800

46  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2579  
citing authors

#	ARTICLE	IF	CITATIONS
1	Buccal penetration enhancement properties of N-trimethyl chitosan: Influence of quaternization degree on absorption of a high molecular weight molecule. <i>International Journal of Pharmaceutics</i> , 2005, 297, 146-155.	5.2	127
2	Nanoparticles based on N-trimethylchitosan: Evaluation of absorption properties using in vitro (Caco-2 cells) and ex vivo (excised rat jejunum) models. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 65, 68-77.	4.3	124
3	Effect of chitosan and of N-carboxymethylchitosan on intraocular penetration of topically applied ofloxacin. <i>International Journal of Pharmaceutics</i> , 2004, 273, 37-44.	5.2	111
4	Is dialysis a reliable method for studying drug release from nanoparticulate systems? A case study. <i>International Journal of Pharmaceutics</i> , 2012, 434, 28-34.	5.2	111
5	Effect of different chitosan derivatives on in vitro scratch wound assay: A comparative study. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 236-241.	7.5	106
6	Polymeric Enhancers of Mucosal Epithelia Permeability: Synthesis, Transepithelial Penetration-Enhancing Properties, Mechanism of Action, Safety Issues. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 1652-1680.	3.3	93
7	Effects of Different N-Trimethyl Chitosans on In Vitro/In Vivo Ofloxacin Transcorneal Permeation. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 2851-2862.	3.3	83
8	Strategies to prolong the residence time of drug delivery systems on ocular surface. <i>Advances in Colloid and Interface Science</i> , 2021, 288, 102342.	14.7	73
9	Effect of chitosan on in vitro release and ocular delivery of ofloxacin from erodible inserts based on poly(ethylene oxide). <i>International Journal of Pharmaceutics</i> , 2002, 248, 115-122.	5.2	69
10	Gel-forming erodible inserts for ocular controlled delivery of ofloxacin. <i>International Journal of Pharmaceutics</i> , 2001, 215, 101-111.	5.2	62
11	Synergistic interaction between TS-polysaccharide and hyaluronic acid: Implications in the formulation of eye drops. <i>International Journal of Pharmaceutics</i> , 2010, 395, 122-131.	5.2	57
12	Novel transmucosal absorption enhancers obtained by aminoalkylation of chitosan. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 29, 460-469.	4.0	52
13	Selected polysaccharides at comparison for their mucoadhesiveness and effect on precorneal residence of different drugs in the rabbit model. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 941-949.	2.0	50
14	Effects of N-trimethylchitosan on transcellular and paracellular transcorneal drug transport. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006, 64, 16-25.	4.3	48
15	Improved synthesis of quaternary ammonium-chitosan conjugates (N <sup>+</sup> -Ch) for enhanced intestinal drug permeation. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 33, 343-350.	4.0	47
16	Thermosensitive hydrogel based on chitosan and its derivatives containing medicated nanoparticles for transcorneal administration of 5-fluorouracil. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 633-643.	6.7	47
17	Mucoadhesive nanoparticles made of thiolated quaternary chitosan crosslinked with hyaluronan. <i>Carbohydrate Polymers</i> , 2013, 92, 33-39.	10.2	45
18	New chitosan derivatives for the preparation of rokitamycin loaded microspheres designed for ocular or nasal administration. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4852-4865.	3.3	43

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19	Red grape skin and seeds polyphenols: Evidence of their protective effects on endothelial progenitor cells and improvement of their intestinal absorption. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 176-184.	4.3	42
20	Mucoadhesive nano-sized supramolecular assemblies for improved pre-corneal drug residence time. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 2069-2076.	2.0	40
21	A study of release mechanisms of different ophthalmic drugs from erodible ocular inserts based on poly(ethylene oxide). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 54, 193-199.	4.3	39
22	Antibacterial, Antibiofilm, and Antiadhesive Properties of Different Quaternized Chitosan Derivatives. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6297.	4.1	37
23	Sucrosomial <sup>®</sup> iron absorption studied by in vitro and ex-vivo models. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 111, 425-431.	4.0	36
24	Matrices for site-specific controlled-delivery of 5-fluorouracil to descending colon. <i>Journal of Controlled Release</i> , 2005, 102, 669-677.	9.9	35
25	Thiolated quaternary ammonium-chitosan conjugates for enhanced precorneal retention, transcorneal permeation and intraocular absorption of dexamethasone. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 194-199.	4.3	35
26	Impact of mucoadhesive polymeric nanoparticulate systems on oral bioavailability of a macromolecular model drug. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 281-289.	4.3	35
27	Delivery of natural polyphenols by polymeric nanoparticles improves the resistance of endothelial progenitor cells to oxidative stress. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 393-399.	4.0	34
28	Quaternary Ammonium Chitosans: The Importance of the Positive Fixed Charge of the Drug Delivery Systems. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6617.	4.1	34
29	Preparation and in vitro evaluation of chitosan matrices for colonic controlled drug delivery. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2003, 6, 274-81.	2.1	31
30	Relevance of polymer molecular weight to the in vitro/in vivo performances of ocular inserts based on poly(ethylene oxide). <i>International Journal of Pharmaceutics</i> , 2001, 220, 169-177.	5.2	30
31	Synthesis, characterization and evaluation of thiolated quaternary ammonium-chitosan conjugates for enhanced intestinal drug permeation. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 112-120.	4.0	29
32	Chitosan-Based Nanoparticles Containing Cherry Extract from <i>Prunus avium</i> L. to Improve the Resistance of Endothelial Cells to Oxidative Stress. <i>Nutrients</i> , 2018, 10, 1598.	4.1	29
33	Chitosan and its derivatives as intraocular penetration enhancers. <i>Journal of Drug Delivery Science and Technology</i> , 2010, 20, 45-52.	3.0	27
34	A water-soluble, mucoadhesive quaternary ammonium chitosan-methyl- $\beta$ -cyclodextrin conjugate forming inclusion complexes with dexamethasone. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 42.	3.6	26
35	Palmitoyl Glycol Chitosan Micelles for Corneal Delivery of Cyclosporine. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 231-240.	1.1	25
36	Impact of Different Mucoadhesive Polymeric Nanoparticles Loaded in Thermosensitive Hydrogels on Transcorneal Administration of 5-Fluorouracil. <i>Pharmaceutics</i> , 2019, 11, 623.	4.5	25

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37	A new hydrogel for the extended and complete prednisolone release in the GI tract. <i>International Journal of Pharmaceutics</i> , 2006, 310, 154-161.	5.2	24
38	Antioxidant and Anti-Inflammatory Properties of Cherry Extract: Nanosystems-Based Strategies to Improve Endothelial Function and Intestinal Absorption. <i>Foods</i> , 2020, 9, 207.	4.3	24
39	In vitro evaluation of a system for pH-controlled peroral delivery of metformin. <i>Journal of Controlled Release</i> , 2002, 80, 119-128.	9.9	23
40	About the impact of water movement on the permeation behaviour of nanoparticles in mucus. <i>International Journal of Pharmaceutics</i> , 2017, 517, 279-285.	5.2	22
41	Ex Vivo and in Vivo Study of Sucrosomial <sup>®</sup> Iron Intestinal Absorption and Bioavailability. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2722.	4.1	22
42	Thiolated Hydroxypropyl- $\beta$ -cyclodextrin: A Potential Multifunctional Excipient for Ocular Drug Delivery. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2612.	4.1	22
43	Enhanced affinity of ketotifen toward tamarind seed polysaccharide in comparison with hydroxyethylcellulose and hyaluronic acid: A nuclear magnetic resonance investigation. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7371-7376.	3.0	21
44	Methyl- $\beta$ -cyclodextrin quaternary ammonium chitosan conjugate: nanoparticles vs macromolecular soluble complex. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 2531-2541.	6.7	19
45	Anti-Inflammatory Effect of Cherry Extract Loaded in Polymeric Nanoparticles: Relevance of Particle Internalization in Endothelial Cells. <i>Pharmaceutics</i> , 2019, 11, 500.	4.5	18
46	Novel quaternary ammonium chitosan derivatives for the promotion of intraocular drug absorption. <i>Journal of Drug Delivery Science and Technology</i> , 2007, 17, 19-24.	3.0	17
47	Antioxidant Effect of Cocoa By-Product and Cherry Polyphenol Extracts: A Comparative Study. <i>Antioxidants</i> , 2020, 9, 132.	5.1	16
48	Cherry Extract from <i>Prunus avium</i> L. to Improve the Resistance of Endothelial Cells to Oxidative Stress: Mucoadhesive Chitosan vs. Poly(lactic-co-glycolic acid) Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1759.	4.1	15
49	Structure determination, thermal stability and dissolution rate of $\beta$ -indomethacin. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121067.	5.2	15
50	Magnesium bioavailability after administration of sucrosomial <sup>®</sup> magnesium: results of an ex-vivo study and a comparative, double-blinded, cross-over study in healthy subjects. <i>European Review for Medical and Pharmacological Sciences</i> , 2018, 22, 1843-1851.	0.7	15
51	Mucoadhesivity and release properties of quaternary ammonium-chitosan conjugates and their nanoparticulate supramolecular aggregates: An NMR investigation. <i>International Journal of Pharmaceutics</i> , 2014, 461, 489-494.	5.2	14
52	Binding and mucoadhesion of sulfurated derivatives of quaternary ammonium-chitosans and their nanoaggregates: An NMR investigation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112852.	2.8	12
53	Sucrosomial Iron <sup>®</sup> : A New Highly Bioavailable Oral Iron Supplement. <i>Blood</i> , 2015, 126, 4561-4561.	1.4	12
54	Nanoparticles Based on Quaternary Ammonium Chitosan-methyl- $\beta$ -cyclodextrin Conjugate for the Neuropeptide Dalargin Delivery to the Central Nervous System: An In Vitro Study. <i>Pharmaceutics</i> , 2021, 13, 5.	4.5	12

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55	Improvement of Peptide Affinity and Stability by Complexing to Cyclodextrin-Grafted Ammonium Chitosan. <i>Polymers</i> , 2020, 12, 474.	4.5	11
56	A site-specific controlled-release system for metformin. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 565-571.	2.4	9
57	pH-Responsive Carboxymethylcellulose Nanoparticles for <sup>68</sup> Ga-WBC Labeling in PET Imaging. <i>Polymers</i> , 2019, 11, 1615.	4.5	9
58	Sucrosomal Technology Is Able to Promote Ferric Iron Absorption: Pre-Clinical and Clinical Evidences. <i>Blood</i> , 2016, 128, 3618-3618.	1.4	9
59	Combination of Two Kinds of Medicated Microparticles Based on Hyaluronic Acid or Chitosan for a Wound Healing Spray Patch. <i>Pharmaceutics</i> , 2021, 13, 2195.	4.5	9
60	Nanoparticles based on quaternary ammonium-chitosan conjugate: A vehicle for oral administration of antioxidants contained in red grapes. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 291-297.	3.0	8
61	2-Methyl- $\beta$ -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. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119698.	5.2	8
62	Polysaccharides as Excipients for Ocular Topical Formulations. , 0, , .		7
63	Antivirulence Properties of a Low-Molecular-Weight Quaternized Chitosan Derivative against <i>Pseudomonas aeruginosa</i> . <i>Microorganisms</i> , 2021, 9, 912.	3.6	6
64	Impact of Peels Extracts from an Italian Ancient Tomato Variety Grown under Drought Stress Conditions on Vascular Related Dysfunction. <i>Molecules</i> , 2021, 26, 4289.	3.8	6
65	Design and in vitro evaluation of an extended-release matrix tablet for once-daily oral administration of oxybutynin. <i>Journal of Drug Delivery Science and Technology</i> , 2005, 15, 397-402.	3.0	4
66	Role of nanostructured aggregation of chitosan derivatives on [5-methionine]enkephalin affinity. <i>Carbohydrate Polymers</i> , 2017, 157, 321-324.	10.2	4
67	Repurposing of Plasminogen: An Orphan Medicinal Product Suitable for SARS-CoV-2 Inhalable Therapeutics. <i>Pharmaceutics</i> , 2020, 13, 425.	3.8	4
68	A New Calcium Oral Controlled-Release System Based on Zeolite for Prevention of Osteoporosis. <i>Nutrients</i> , 2019, 11, 2467.	4.1	3
69	Saffron extract self-assembled nanoparticles to prolong the precorneal residence of crocin. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 74, 103580.	3.0	2
70	Methyl-DEAE-dextran: a candidate biomaterial. <i>Bio-Medical Materials and Engineering</i> , 2004, 14, 411-7.	0.6	1