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List of Publications by Year
in descending order

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77 papers	3,627 citations	101543 36 h-index	133252 59 g-index
78 all docs	78 docs citations	78 times ranked	4386 citing authors

#	Article	IF	Citations
1	Assessment of chitosan derivatives as buccal and vaginal penetration enhancers. European Journal of Pharmaceutical Sciences, 2004, 21, 351-359.	4.0	151
2	Cyclosporine A loaded SLNs: Evaluation of cellular uptake and corneal cytotoxicity. International Journal of Pharmaceutics, 2008, 364, 76-86.	5.2	145
3	Characterization of chitosan hydrochlorideâ€“mucin interaction by means of viscosimetric and turbidimetric measurements. European Journal of Pharmaceutical Sciences, 2000, 10, 251-257.	4.0	132
4	Buccal penetration enhancement properties of N-trimethyl chitosan: Influence of quaternization degree on absorption of a high molecular weight molecule. International Journal of Pharmaceutics, 2005, 297, 146-155.	5.2	127
5	Halloysite and chitosan oligosaccharide nanocomposite for wound healing. Acta Biomaterialia, 2017, 57, 216-224.	8.3	125
6	Nanoparticles based on N-trimethylchitosan: Evaluation of absorption properties using in vitro (Caco-2 cells) and ex vivo (excised rat jejunum) models. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 65, 68-77.	4.3	124
7	In vitro biocompatibility and mucoadhesion of montmorillonite chitosan nanocomposite: A new drug delivery. Applied Clay Science, 2012, 55, 131-137.	5.2	118
8	Characterization of chitosan hydrochlorideâ€“mucin rheological interaction: influence of polymer concentration and polymer:mucin weight ratio. European Journal of Pharmaceutical Sciences, 2001, 12, 479-485.	4.0	104
9	Montmorilloniteâ€“chitosanâ€“silver sulfadiazine nanocomposites for topical treatment of chronic skin lesions: In vitro biocompatibility, antibacterial efficacy and gap closure cell motility properties. Carbohydrate Polymers, 2014, 102, 970-977.	10.2	96
10	Wound dressings based on silver sulfadiazine solid lipid nanoparticles for tissue repairing. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 84-90.	4.3	88
11	Mucoadhesive and penetration enhancement properties of three grades of hyaluronic acid using porcine buccal and vaginal tissue, Caco-2 cell lines, and rat jejunum. Journal of Pharmacy and Pharmacology, 2010, 56, 1083-1090.	2.4	86
12	Solid state characterisation of silver sulfadiazine loaded on montmorillonite/chitosan nanocomposite for wound healing. Colloids and Surfaces B: Biointerfaces, 2014, 113, 152-157.	5.0	86
13	Advances in oral controlled drug delivery: the role of drugâ€“polymer and interpolymer non-covalent interactions. Expert Opinion on Drug Delivery, 2015, 12, 441-453.	5.0	82
14	Buccal Delivery of Acyclovir from Films Based on Chitosan and Polyacrylic Acid. Pharmaceutical Development and Technology, 2003, 8, 199-208.	2.4	79
15	Development of chitosan oleate ionic micelles loaded with silver sulfadiazine to be associated with platelet lysate for application in wound healing. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 643-650.	4.3	78
16	Cyclosporine A-Loaded Solid Lipid Nanoparticles: Ocular Tolerance andIn VivoDrug Release in Rabbit Eyes. Current Eye Research, 2009, 34, 996-1003.	1.5	77
17	Chitosan and its salts for mucosal and transmucosal delivery. Expert Opinion on Drug Delivery, 2009, 6, 923-939.	5.0	76
18	Carrageenanâ€“gelatin mucoadhesive systems for ion-exchange based ophthalmic delivery: in vitro and preliminary in vivo studies. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 57, 465-472.	4.3	74

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19	Wound Dressings Based on Chitosans and Hyaluronic Acid for the Release of Chlorhexidine Diacetate in Skin Ulcer Therapy. Pharmaceutical Development and Technology, 2007, 12, 415-422.	2.4	74
20	Hyaluronic acid and chitosan-based nanosystems: a new dressing generation for wound care. Expert Opinion on Drug Delivery, 2019, 16, 715-740.	5.0	74
21	Insulin-Loaded Nanoparticles Based on N-Trimethyl Chitosan: In Vitro (Caco-2 Model) and Ex Vivo (Excised Rat Jejunum, Duodenum, and Ileum) Evaluation of Penetration Enhancement Properties. AAPS PharmSciTech, 2010, 11, 362-371.	3.3	71
22	Chitosan-associated SLN:in vitroandex vivocharacterization of cyclosporine A loaded ophthalmic systems. Journal of Microencapsulation, 2010, 27, 735-746.	2.8	70
23	Thiolated poly(aspartic acid) as potential in situ gelling, ocular mucoadhesive drug delivery system. European Journal of Pharmaceutical Sciences, 2015, 67, 1-11.	4.0	66
24	Platelet lysate formulations based on mucoadhesive polymers for the treatment of corneal lesions. Journal of Pharmacy and Pharmacology, 2011, 63, 189-198.	2.4	60
25	Chitosan-coupled solid lipid nanoparticles: Tuning nanostructure and mucoadhesion. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 110, 13-18.	4.3	57
26	Chitosan gels for the vaginal delivery of lactic acid: Relevance of formulation parameters to mucoadhesion and release mechanisms. AAPS PharmSciTech, 2006, 7, E141-E147.	3.3	56
27	Chitosan citrate as multifunctional polymer for vaginal delivery. European Journal of Pharmaceutical Sciences, 2008, 33, 166-176.	4.0	53
28	Chitosan gel containing polymeric nanocapsules: a new formulation for vaginal drug delivery. International Journal of Nanomedicine, 2014, 9, 3151.	6.7	52
29	Freeze-dried cylinders carrying chitosan nanoparticles for vaginal peptide delivery. Carbohydrate Polymers, 2017, 170, 43-51.	10.2	52
30	Thermosensitive eyedrops containing platelet lysate for the treatment of corneal ulcers. International Journal of Pharmaceutics, 2012, 426, 1-6.	5.2	51
31	Comparison of poloxamer- and chitosan-based thermally sensitive gels for the treatment of vaginal mucositis. Drug Development and Industrial Pharmacy, 2014, 40, 352-360.	2.0	49
32	A novel ionic amphiphilic chitosan derivative as a stabilizer of nanoemulsions: Improvement of antimicrobial activity of Cymbopogon citratus essential oil. Colloids and Surfaces B: Biointerfaces, 2017, 152, 385-392.	5.0	48
33	Freeze dried chitosan acetate dressings with glycosaminoglycans and traxenamic acid. Carbohydrate Polymers, 2018, 184, 408-417.	10.2	43
34	Rheological analysis and mucoadhesion: A 30 year-old and still active combination. Journal of Pharmaceutical and Biomedical Analysis, 2018, 156, 232-238.	2.8	42
35	Ophthalmic delivery systems based on drugâ€“polymerâ€“polymer ionic ternary interaction: In vitro and in vivo characterization. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 62, 59-69.	4.3	39
36	Platelet lysate embedded scaffolds for skin regeneration. Expert Opinion on Drug Delivery, 2015, 12, 525-545.	5.0	39

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37	Sponge-Like Dressings Based on the Association of Chitosan and Sericin for the Treatment of Chronic Skin Ulcers. I. Design of Experimentsâ€“Assisted Development. Journal of Pharmaceutical Sciences, 2016, 105, 1180-1187.	3.3	39
38	Calcium alginate particles for the combined delivery of platelet lysate and vancomycin hydrochloride in chronic skin ulcers. International Journal of Pharmaceutics, 2014, 461, 505-513.	5.2	37
39	Preparation and characterization of polysaccharide-based nanoparticles with anticoagulant activity. International Journal of Nanomedicine, 2012, 7, 2975.	6.7	36
40	An In Situ Gelling Buccal Spray Containing Platelet Lysate for the Treatment of Oral Mucositis. Current Drug Discovery Technologies, 2011, 8, 277-285.	1.2	35
41	A physical analysis of the phenomenon of tablet disintegration. International Journal of Pharmaceutics, 1988, 44, 177-186.	5.2	33
42	Platelet Lysate-Modified Porous Silicon Microparticles for Enhanced Cell Proliferation in Wound Healing Applications. ACS Applied Materials & Interfaces, 2016, 8, 988-996.	8.0	33
43	Disintegrating Force as a New Formulation Parameter. Journal of Pharmaceutical Sciences, 1984, 73, 701-705.	3.3	31
44	Particulate systems based on pectin/chitosan association for the delivery of manuka honey components and platelet lysate in chronic skin ulcers. International Journal of Pharmaceutics, 2016, 509, 59-70.	5.2	31
45	Chitosan Ascorbate: A Chitosan Salt with Improved Penetration Enhancement Properties. Pharmaceutical Development and Technology, 2008, 13, 513-521.	2.4	30
46	Collagen/PCL Nanofibers Electrospun in Green Solvent by DOE Assisted Process. An Insight into Collagen Contribution. Materials, 2020, 13, 4698.	2.9	28
47	Factorial analysis of the influence of dissolution medium on drug release from carrageenan-diltiazem complexes. AAPS PharmSciTech, 2000, 1, 72-79.	3.3	27
48	Evaluation of surface and microstructure of differently plasticized chitosan films. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 655-659.	2.8	27
49	Sponge-Like Dressings Based on the Association of Chitosan and Sericin for the Treatment of Chronic Skin Ulcers. II. Loading of the Hemoderivative Platelet Lysate. Journal of Pharmaceutical Sciences, 2016, 105, 1188-1195.	3.3	27
50	Nanotechnology-Based Medical Devices for the Treatment of Chronic Skin Lesions: From Research to the Clinic. Pharmaceutics, 2020, 12, 815.	4.5	27
51	Differentiating Factors between Oral Fast-Dissolving Technologies. American Journal of Drug Delivery, 2006, 4, 249-262.	0.6	25
52	In vitro assessment of biopolymer-modified porous silicon microparticles for wound healing applications. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 635-642.	4.3	25
53	Comparative study of nanosized cross-linked sodium-, linear sodium- and zinc-hyaluronate as potential ocular mucoadhesive drug delivery systems. International Journal of Pharmaceutics, 2015, 494, 321-328.	5.2	25
54	Controlled delivery systems for tissue repair and regeneration. Journal of Drug Delivery Science and Technology, 2016, 32, 206-228.	3.0	23

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55	Platelet lysate and chondroitin sulfate loaded contact lenses to heal corneal lesions. International Journal of Pharmaceutics, 2016, 509, 188-196.	5.2	22
56	Biomaterials for Soft Tissue Repair and Regeneration: A Focus on Italian Research in the Field. Pharmaceutics, 2021, 13, 1341.	4.5	20
57	Association of Alpha Tocopherol and Ag Sulfadiazine Chitosan Oleate Nanocarriers in Bioactive Dressings Supporting Platelet Lysate Application to Skin Wounds. Marine Drugs, 2018, 16, 56.	4.6	19
58	Influence of complex solubility on formulations based on lambda carrageenan and basic drugs. AAPS PharmSciTech, 2002, 3, 83-89.	3.3	18
59	Drug Release and Washability of Mucaodhesive Gels Based on Sodium Carboxymethylcelluse and Polyacrylic Acid. Pharmaceutical Development and Technology, 1999, 4, 55-63.	2.4	17
60	Dissolution Enhancement of an Insoluble Drug by Physical Mixture with a Superdisintegrant: Optimization with a Simplex Lattice Design. Pharmaceutical Development and Technology, 1996, 1, 159-164.	2.4	15
61	Development of sponge-like dressings for mucosal/transmucosal drug delivery into vaginal cavity. Pharmaceutical Development and Technology, 2012, 17, 219-226.	2.4	15
62	Vancomycinâ€“Triacetyl Cyclodextrin Interaction Products for Prolonged Drug Delivery. Pharmaceutical Development and Technology, 2008, 13, 65-73.	2.4	13
63	A Composite Nanosystem as a Potential Tool for the Local Treatment of Glioblastoma: Chitosan-Coated Solid Lipid Nanoparticles Embedded in Electrospun Nanofibers. Polymers, 2021, 13, 1371.	4.5	12
64	Model-based interpretation of creep profiles for the assessment of polymer-mucin interaction. Pharmaceutical Research, 1999, 16, 1456-1463.	3.5	11
65	Bioactive Medications for the Delivery of Platelet Derivatives to Skin Wounds. Current Drug Delivery, 2019, 16, 472-483.	1.6	10
66	Drug Release Kinetics and Front Movement in Matrix Tablets Containing Diltiazem or Metoprolol/Î»-Carrageenan Complexes. BioMed Research International, 2014, 2014, 1-8.	1.9	9
67	In vitro testing of thiolated poly(aspartic acid) from ophthalmic formulation aspects. Drug Development and Industrial Pharmacy, 2016, 42, 1241-1246.	2.0	9
68	Application of DoE approach in the development of mini-capsules, based on biopolymers and manuka honey polar fraction, as powder formulation for the treatment of skin ulcers. International Journal of Pharmaceutics, 2017, 516, 266-277.	5.2	9
69	Buccal Delivery Systems for Peptides. American Journal of Drug Delivery, 2005, 3, 215-225.	0.6	8
70	Cationic Thiolated Poly(aspartamide) Polymer as a Potential Excipient for Artificial Tear Formulations. Journal of Ophthalmology, 2016, 2016, 1-8.	1.3	7
71	InÂvitro evaluation of a protective nasal spray: Measurements of mucoadhesion and reconstructive barrier properties towards a tracheobronchial reconstruct. Journal of Drug Delivery Science and Technology, 2015, 30, 368-374.	3.0	6
72	The effect of the antioxidant on the properties of thiolated poly(aspartic acid) polymers in aqueous ocular formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 113, 178-187.	4.3	6

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73	Characterization of Particle Swelling of Materials of Pharmaceutical Interest. Particle and Particle Systems Characterization, 1990, 7, 131-135.	2.3	3
74	Wound Healing: Hemoderivatives and Biopolymers. , 2017, , 1642-1660.		1
75	Platelet Derived Growth Factors in a Mucoadhesive Vehicle for Treatment of Patients with Oral Mucositis in Graft Versus Host Disease. Blood, 2008, 112, 4333-4333.	1.4	1
76	Assessment of Proliferation Induced in Fibroblasts and Rabbit Corneal Epithelial Cells by a Platelet Lysate Formulation: A Stability Study. Blood, 2008, 112, 4072-4072.	1.4	0
77	Wound Healing: Hemoderivatives and Biopolymers. , 0, , 8280-8298.		0