

Marta Espina

List of Publications by Year in descending order

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73
papers

3,238
citations

230014

27
h-index

175968

55
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74
all docs

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docs citations

74
times ranked

4304
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and optimization of Riluzole-loaded biodegradable nanoparticles incorporated in a mucoadhesive in situ gel for the posterior eye segment. <i>International Journal of Pharmaceutics</i> , 2022, 612, 121379.	2.6	15
2	Development of Peptide Targeted PLGA-PEGylated Nanoparticles Loading Licochalcone-A for Ocular Inflammation. <i>Pharmaceutics</i> , 2022, 14, 285.	2.0	15
3	Biodegradable nanoparticles for the treatment of epilepsy: From current advances to future challenges. <i>Epilepsia Open</i> , 2022, 7, .	1.3	14
4	Lipid Nanoparticles for the Posterior Eye Segment. <i>Pharmaceutics</i> , 2022, 14, 90.	2.0	28
5	Epigallocatechin-3-gallate PEGylated poly(lactic-co-glycolic) acid nanoparticles mitigate striatal pathology and motor deficits in 3-nitropropionic acid intoxicated mice. <i>Nanomedicine</i> , 2021, 16, 19-35.	1.7	18
6	Surface Functionalization of PLGA Nanoparticles to Increase Transport across the BBB for Alzheimer's Disease. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4305.	1.3	26
7	Psoriasis: From Pathogenesis to Pharmacological and Nano-Technological-Based Therapeutics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4983.	1.8	40
8	State of the Art on Toxicological Mechanisms of Metal and Metal Oxide Nanoparticles and Strategies to Reduce Toxicological Risks. <i>Toxics</i> , 2021, 9, 195.	1.6	11
9	Calcium hydroxide-loaded PLGA biodegradable nanoparticles as an intracanal medicament. <i>International Endodontic Journal</i> , 2021, 54, 2086-2098.	2.3	20
10	Surface-Modified Multifunctional Thymol-Loaded Biodegradable Nanoparticles for Topical Acne Treatment. <i>Pharmaceutics</i> , 2021, 13, 1501.	2.0	15
11	Stabilization by Nano Spray Dryer of Pioglitazone Polymeric Nanosystems: Development, In Vivo, Ex Vivo and Synchrotron Analysis. <i>Pharmaceutics</i> , 2021, 13, 1751.	2.0	3
12	Development of Lactoferrin-Loaded Liposomes for the Management of Dry Eye Disease and Ocular Inflammation. <i>Pharmaceutics</i> , 2021, 13, 1698.	2.0	28
13	Development of topical eye-drops of lactoferrin-loaded biodegradable nanoparticles for the treatment of anterior segment inflammatory processes. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121188.	2.6	20
14	Thymol-loaded PLGA nanoparticles: an efficient approach for acne treatment. <i>Journal of Nanobiotechnology</i> , 2021, 19, 359.	4.2	31
15	State-of-the-art polymeric nanoparticles as promising therapeutic tools against human bacterial infections. <i>Journal of Nanobiotechnology</i> , 2020, 18, 156.	4.2	38
16	Nanostructured lipid carriers loaded with Halobetasol propionate for topical treatment of inflammation: Development, characterization, biopharmaceutical behavior and therapeutic efficacy of gel dosage forms. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119480.	2.6	13
17	Current advances in the development of novel polymeric nanoparticles for the treatment of neurodegenerative diseases. <i>Nanomedicine</i> , 2020, 15, 1239-1261.	1.7	68
18	Nanomedicines for the Delivery of Antimicrobial Peptides (AMPs). <i>Nanomaterials</i> , 2020, 10, 560.	1.9	83

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19	Retinal Drug Delivery: Rethinking Outcomes for the Efficient Replication of Retinal Behavior. Applied Sciences (Switzerland), 2020, 10, 4258.	1.3	4
20	Metal-Based Nanoparticles as Antimicrobial Agents: An Overview. Nanomaterials, 2020, 10, 292.	1.9	769
21	Diabetic Retinopathy and Ocular Melanoma: How Far We Are?. Applied Sciences (Switzerland), 2020, 10, 2777.	1.3	1
22	Dexibuprofen Biodegradable Nanoparticles: One Step Closer towards a Better Ocular Interaction Study. Nanomaterials, 2020, 10, 720.	1.9	44
23	Recent Advances on Antitumor Agents-loaded Polymeric and Lipid-based Nanocarriers for the Treatment of Brain Cancer. Current Pharmaceutical Design, 2020, 26, 1316-1330.	0.9	17
24	Sirtuins and SIRT6 in Carcinogenesis and in Diet. International Journal of Molecular Sciences, 2019, 20, 4945.	1.8	19
25	Trends in Atopic Dermatitis—From Standard Pharmacotherapy to Novel Drug Delivery Systems. International Journal of Molecular Sciences, 2019, 20, 5659.	1.8	43
26	Advanced Formulation Approaches for Ocular Drug Delivery: State-Of-The-Art and Recent Patents. Pharmaceutics, 2019, 11, 460.	2.0	115
27	Development of Halobetasol-loaded nanostructured lipid carrier for dermal administration: Optimization, physicochemical and biopharmaceutical behavior, and therapeutic efficacy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 102026.	1.7	25
28	Current Applications of Nanoemulsions in Cancer Therapeutics. Nanomaterials, 2019, 9, 821.	1.9	147
29	Dual-drug loaded nanoparticles of Epigallocatechin-3-gallate (EGCG)/Ascorbic acid enhance therapeutic efficacy of EGCG in a APPswe/PS1dE9 Alzheimer's disease mice model. Journal of Controlled Release, 2019, 301, 62-75.	4.8	207
30	Ocular penetration of fluorometholone-loaded PEG-PLGA nanoparticles functionalized with cell-penetrating peptides. Nanomedicine, 2019, 14, 3089-3104.	1.7	41
31	Thiazolidinedione as an alternative to facilitate oral administration in geriatric patients with Alzheimer's disease. European Journal of Pharmaceutical Sciences, 2019, 129, 173-180.	1.9	10
32	In-situ forming gels containing fluorometholone-loaded polymeric nanoparticles for ocular inflammatory conditions. Colloids and Surfaces B: Biointerfaces, 2019, 175, 365-374.	2.5	49
33	Epigallocatechin-3-gallate loaded PEGylated-PLGA nanoparticles: A new anti-seizure strategy for temporal lobe epilepsy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1073-1085.	1.7	60
34	Neoplastic Multifocal Skin Lesions: Biology, Etiology, and Targeted Therapies for Nonmelanoma Skin Cancers. Skin Pharmacology and Physiology, 2018, 31, 59-73.	1.1	12
35	Optimization, Biopharmaceutical Profile and Therapeutic Efficacy of Pioglitazone-loaded PLGA-PEG Nanospheres as a Novel Strategy for Ocular Inflammatory Disorders. Pharmaceutical Research, 2018, 35, 11.	1.7	27
36	Memantine loaded PLGA PEGylated nanoparticles for Alzheimer's disease: in vitro and in vivo characterization. Journal of Nanobiotechnology, 2018, 16, 32.	4.2	163

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37	Memantine-Loaded PEGylated Biodegradable Nanoparticles for the Treatment of Glaucoma. <i>Small</i> , 2018, 14, 1701808.	5.2	77
38	Development of Pranoprofen Loaded Nanostructured Lipid Carriers to Improve Its Release and Therapeutic Efficacy in Skin Inflammatory Disorders. <i>Nanomaterials</i> , 2018, 8, 1022.	1.9	10
39	Skin-controlled release lipid nanosystems of pranoprofen for the treatment of local inflammation and pain. <i>Nanomedicine</i> , 2018, 13, 2397-2413.	1.7	12
40	Design, Characterization, and Biopharmaceutical Behavior of Nanoparticles Loaded with an HIV-1 Fusion Inhibitor Peptide. <i>Molecular Pharmaceutics</i> , 2018, 15, 5005-5018.	2.3	14
41	PPAR γ agonist-loaded PLGA-PEG nanocarriers as a potential treatment for Alzheimer's disease: in vitro and in vivo studies. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5577-5590.	3.3	52
42	Development of fluorometholone-loaded PLGA nanoparticles for treatment of inflammatory disorders of anterior and posterior segments of the eye. <i>International Journal of Pharmaceutics</i> , 2018, 547, 338-346.	2.6	50
43	Comparative Study of Ex Vivo Transmucosal Permeation of Pioglitazone Nanoparticles for the Treatment of Alzheimer's Disease. <i>Polymers</i> , 2018, 10, 316.	2.0	36
44	Cisplatin resistance in cell models: evaluation of metallomic and biological predictive biomarkers to address early therapy failure. <i>Metallomics</i> , 2017, 9, 564-574.	1.0	19
45	New potential strategies for Alzheimer's disease prevention: pegylated biodegradable dexibuprofen nanospheres administration to APP ^{swe} /PS1 ^{dE9} . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1171-1182.	1.7	64
46	Penetration of polymeric nanoparticles loaded with an HIV-1 inhibitor peptide derived from GB virus C in a vaginal mucosa model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 120, 98-106.	2.0	27
47	Study of the interaction of GB virus C/Hepatitis G virus fusion peptides belonging to the E2 protein with phospholipid Langmuir monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 278-286.	2.5	2
48	Human Skin Permeation Studies with PPAR γ Agonist to Improve Its Permeability and Efficacy in Inflammatory Processes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2548.	1.8	20
49	The influence of freeze drying and γ -irradiation in pre-clinical studies of flurbiprofen polymeric nanoparticles for ocular delivery using D-(+)-trehalose and polyethylene glycol. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4093-4106.	3.3	21
50	PEGylated PLGA nanospheres optimized by design of experiments for ocular administration of dexibuprofen in vitro, ex vivo and in vivo characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 241-250.	2.5	108
51	Anion exchange chromatography for the determination of 5-methyl-2'-deoxycytidine: application to cisplatin-sensitive and cisplatin-resistant ovarian cancer cell lines. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2423-2431.	1.9	9
52	Design and elaboration of freeze-dried PLGA nanoparticles for the transcorneal permeation of carprofen: Ocular anti-inflammatory applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 935-943.	2.5	38
53	Flurbiprofen PLGA-PEG nanospheres: Role of hydroxy- β -cyclodextrin on ex vivo human skin permeation and in vivo topical anti-inflammatory efficacy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 339-346.	2.5	49
54	Interfacial behavior of chroman-6 and chroman-6 palmitoyl ester and their interaction with phospholipids. <i>Colloid and Polymer Science</i> , 2013, 291, 1065-1075.	1.0	1

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55	Role of hydroxypropyl- β -cyclodextrin on freeze-dried and gamma-irradiated PLGA and PLGA-PEG diblock copolymer nanospheres for ophthalmic flurbiprofen delivery. <i>International Journal of Nanomedicine</i> , 2012, 7, 1357.	3.3	80
56	Interaction of GB Virus C/Hepatitis G Virus Synthetic Peptides with Lipid Langmuir Monolayers and Large Unilamellar Vesicles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 319-327.	1.2	15
57	Interfacial Properties of a Synthetic Peptide Derived from Hepatitis G Virus E2 Protein: Interaction with Lipid Monolayers. <i>Langmuir</i> , 2006, 22, 246-254.	1.6	14
58	Flurbiprofen Loaded Biodegradable Nanoparticles for Ophthalmic Administration. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 2393-2405.	1.6	111
59	Influence of the Saturation Chain and Head Group Charge of Phospholipids in the Interaction of Hepatitis G Virus Synthetic Peptides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19970-19979.	1.2	11
60	Interaction of three β -interferon domains with liposomes and monolayers as model membranes. <i>Biophysical Chemistry</i> , 2004, 111, 123-133.	1.5	5
61	Stability and ocular tolerance of cyclophosphamide-loaded nanospheres. <i>Journal of Microencapsulation</i> , 2004, 21, 213-223.	1.2	19
62	Synthesis and physicochemical study of the laminin active sequence: SIKVAV. <i>Journal of Colloid and Interface Science</i> , 2003, 263, 432-440.	5.0	11
63	Miscibility of Hepatitis A Synthetic Antigen Peptides with Lipid Monolayers: Effect of the Amino Acid Sequence Change. <i>Journal of Physical Chemistry B</i> , 2003, 107, 203-208.	1.2	2
64	Cyclophosphamide-loaded nanospheres: analysis of the matrix structure by thermal and spectroscopic methods. <i>Journal of Microencapsulation</i> , 2002, 19, 305-310.	1.2	14
65	Miscibility of an acylated hepatitis A synthetic antigen derivative [palmitoyl VP3(110-121)] with lipids: a monolayer study. <i>Colloid and Polymer Science</i> , 2001, 279, 331-339.	1.0	2
66	Study at the Air/Water Interface of a Hepatitis A N-Acetylated and C-Amidated Synthetic Peptide (AcVP3(110-121)-NH ₂). <i>Journal of Colloid and Interface Science</i> , 2001, 244, 79-86.	5.0	4
67	Study at the Air/Water Interface of a Hepatitis A N-Acetylated and C-Amidated Synthetic Peptide (AcVP3(110-121)-NH ₂). <i>Journal of Colloid and Interface Science</i> , 2001, 244, 87-96.	5.0	7
68	Hepatitis A Synthetic Peptide VP3(110-121) Miscibility with Dipalmitoylphosphatidylcholine, Dipalmitoylphosphatidylglycerol, and Stearylamine Monolayers. <i>Journal of Colloid and Interface Science</i> , 2000, 221, 230-235.	5.0	3
69	Flurbiprofen-loaded nanospheres: analysis of the matrix structure by thermal methods. <i>International Journal of Pharmaceutics</i> , 1999, 179, 37-48.	2.6	39
70	An inductively coupled plasma method for determination of cyclophosphamide loaded to polymeric systems. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 21, 611-618.	1.4	6
71	Stability and In Vitro Drug Release of Flurbiprofen-Loaded Poly- ϵ -Caprolactone Nanospheres. <i>Drug Development and Industrial Pharmacy</i> , 1999, 25, 983-993.	0.9	36
72	Miscibility of phosphatidylcholine and sulphatide in monolayers. <i>Colloid and Polymer Science</i> , 1991, 269, 1303-1308.	1.0	3

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73	Lipolysis of didecanoyl-lecithin/triolein mixed monolayers by phospholipaseA 2. Colloid and Polymer Science, 1989, 267, 923-928.	1.0	6