

# Montserrat Miñarro

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,102  
citations

394421

19  
h-index

414414

32  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1267  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulation of Direct Compression Zidovudine Tablets to Correlate the SeDeM Diagram Expert System and the Rotary Press Simulator Stylê™ONE Results. <i>AAPS PharmSciTech</i> , 2020, 21, 1.	3.3	123
2	The Administration of Chitosan-Tripolyphosphate-DNA Nanoparticles to Express Exogenous SREBP1a Enhances Conversion of Dietary Carbohydrates into Lipids in the Liver of <i>Sparus aurata</i> . <i>Biomolecules</i> , 2019, 9, 297.	4.0	7
3	Improved synthesis and characterization of cholesteryl oleate-loaded cationic solid lipid nanoparticles with high transfection efficiency for gene therapy applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 159-167.	5.0	7
4	Comparison between Microcrystalline Celluloses of different grades made by four manufacturers using the SeDeM diagram expert system as a pharmaceutical characterization tool. <i>Powder Technology</i> , 2019, 342, 780-788.	4.2	20
5	Osmolality predictive models of different polymers as tools in parenteral and ophthalmic formulation development. <i>International Journal of Pharmaceutics</i> , 2018, 543, 190-200.	5.2	7
6	Development and validation of a simple high-performance liquid chromatography analytical method for simultaneous determination of phytosterols, cholesterol and squalene in parenteral lipid emulsions. <i>Biomedical Chromatography</i> , 2018, 32, e4084.	1.7	11
7	Optimization of the Cohesion Index in the SeDeM Diagram Expert System and application of SeDeM Diagram: An improved methodology to determine the Cohesion Index. <i>PLoS ONE</i> , 2018, 13, e0203846.	2.5	12
8	Administration of chitosan-tripolyphosphate-DNA nanoparticles to knockdown glutamate dehydrogenase expression impairs transamination and gluconeogenesis in the liver. <i>Journal of Biotechnology</i> , 2018, 286, 5-13.	3.8	6
9	Cholesteryl oleate-loaded cationic solid lipid nanoparticles as carriers for efficient gene-silencing therapy. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3223-3233.	6.7	20
10	The role of SeDeM for characterizing the active substance and polyvinylpyrrolidone eliminating metastable forms in an oral lyophilizate's A preformulation study. <i>PLoS ONE</i> , 2018, 13, e0196049.	2.5	10
11	Formulation and characterization of mucoadhesive controlled release matrix tablets of captopril. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 42, 215-226.	3.0	9
12	Improved formulation of cationic solid lipid nanoparticles displays cellular uptake and biological activity of nucleic acids. <i>International Journal of Pharmaceutics</i> , 2017, 516, 39-44.	5.2	16
13	Approach to design space from retrospective quality data. <i>Pharmaceutical Development and Technology</i> , 2016, 21, 26-38.	2.4	6
14	Preformulation and characterization of a lidocaine hydrochloride and dexamethasone sodium phosphate thermo-reversible and bioadhesive long-acting gel for intraperitoneal administration. <i>International Journal of Pharmaceutics</i> , 2016, 498, 142-152.	5.2	10
15	Development and validation of a new RP-HPLC method for the simultaneous determination of hydroquinone, kojic acid, octinoxate, avobenzone, BHA and BHT in skin-whitening cream. <i>Analytical Methods</i> , 2016, 8, 1170-1180.	2.7	21
16	Chitosan-Mediated shRNA Knockdown of Cytosolic Alanine Aminotransferase Improves Hepatic Carbohydrate Metabolism. <i>Marine Biotechnology</i> , 2016, 18, 85-97.	2.4	6
17	Improving tablet coating robustness by selecting critical process parameters from retrospective data. <i>Pharmaceutical Development and Technology</i> , 2015, 21, 1-10.	2.4	3
18	Relationships between surface free energy, surface texture parameters and controlled drug release in hydrophilic matrices. <i>International Journal of Pharmaceutics</i> , 2015, 478, 328-340.	5.2	34

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19	Modification of the morphology and particle size of pharmaceutical excipients by spray drying technique. Powder Technology, 2015, 270, 244-255.	4.2	29
20	Determination of stress-induced degradation products of cetirizine dihydrochloride by a stability-indicating RP-HPLC method. DARU, Journal of Pharmaceutical Sciences, 2014, 22, 82.	2.0	2
21	SeDeM expert system a new innovator tool to develop pharmaceutical forms. Drug Development and Industrial Pharmacy, 2014, 40, 222-236.	2.0	34
22	The use of the SeDeM diagram expert system for the formulation of Captopril SR matrix tablets by direct compression. International Journal of Pharmaceutics, 2014, 461, 38-45.	5.2	29
23	Characterization of alginate beads loaded with ibuprofen lysine salt and optimization of the preparation method. International Journal of Pharmaceutics, 2014, 460, 181-188.	5.2	18
24	Quality by Design approach to understand the physicochemical phenomena involved in controlled release of captopril SR matrix tablets. International Journal of Pharmaceutics, 2014, 477, 431-441.	5.2	61
25	A new optimized formulation of cationic solid lipid nanoparticles intended for gene delivery: Development, characterization and DNA binding efficiency of TCERG1 expression plasmid. International Journal of Pharmaceutics, 2014, 473, 270-279.	5.2	31
26	Chitosan nanoparticles as non-viral gene delivery systems: Determination of loading efficiency. Biomedicine and Pharmacotherapy, 2014, 68, 775-783.	5.6	31
27	New classification of directly compressible (DC) excipients in function of the SeDeM Diagram Expert System. International Journal of Pharmaceutics, 2014, 470, 15-27.	5.2	40
28	DNA delivery via cationic solid lipid nanoparticles (SLNs). European Journal of Pharmaceutical Sciences, 2013, 49, 157-165.	4.0	43
29	Impact of physical parameters on particle size and reaction yield when using the ionic gelation method to obtain cationic polymeric chitosan-tripolyphosphate nanoparticles. International Journal of Pharmaceutics, 2013, 446, 199-204.	5.2	80
30	Predicting orally disintegrating tablets formulations of ibuprofen tablets: An application of the new SeDeM-ODT expert system. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 638-648.	4.3	55
31	Optimization of parameters of the SeDeM Diagram Expert System: Hausner index (IH) and relative humidity (%RH). European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 464-472.	4.3	33
32	SeDeM Diagram: A New Expert System for the Formulation of Drugs in Solid Form. , 2011, , .		15
33	Quality and Integrity of Data in Research, Development, and Innovation: A Risk Analysis Method Applied to Laboratory Notebooks in a University Pilot Plant. PDA Journal of Pharmaceutical Science and Technology, 2011, 65, 207-216.	0.5	0
34	Quality assurance in research: incorporating ISO9001:2000 into a GMP quality management system in a pharmaceutical R+D+I center. Accreditation and Quality Assurance, 2010, 15, 297-304.	0.8	11
35	The use of the SeDeM Diagram expert system to determine the suitability of diluents-disintegrants for direct compression and their use in formulation of ODT. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 73, 414-423.	4.3	56
36	Method for the development of topical medicinal aerosols using liquified hydrocarbon gas. International Journal of Pharmaceutics, 2008, 355, 126-130.	5.2	2

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37	Application of the SeDeM Diagram and a new mathematical equation in the design of direct compression tablet formulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 1029-1039.	4.3	57
38	Application of an Experimental Design for the Optimization and Validation of a New HPLC Method for the Determination of Vancomycin in an Extemporaneous Ophthalmic Solution. <i>Journal of Chromatographic Science</i> , 2008, 46, 828-834.	1.4	15
39	A new expert systems (SeDeM Diagram) for control batch powder formulation and preformulation drug products. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006, 64, 351-359.	4.3	80
40	Stability evaluation of amoxicillin in a solid premix veterinary formulation by monitoring the degradation products through a new HPLC analytical method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 192-199.	2.8	14
41	A new validated method for the simultaneous determination of benzocaine, propylparaben and benzyl alcohol in a bioadhesive gel by HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 920-927.	2.8	38