

# Josep R TicÀ³

## List of Publications by Year in descending order

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51  
papers

1,225  
citations

331670

21  
h-index

377865

34  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1501  
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. AAPS PharmSciTech, 2020, 21, 1.	3.3	123
2	Formulation of Sustained Release Hydrophilic Matrix Tablets of Tolcapone with the Application of Sedem Diagram: Influence of Tolcapone's Particle Size on Sustained Release. Pharmaceutics, 2020, 12, 674.	4.5	17
3	Phytosterolaemia associated with parenteral nutrition administration in adult patients. British Journal of Nutrition, 2020, 123, 1365-1372.	2.3	5
4	Study of tocopherol content and its potential antioxidant activity in commercial lipid emulsions for parenteral nutrition. Die Pharmazie, 2020, 75, 240-241.	0.5	0
5	The Administration of Chitosan-Tripolyphosphate-DNA Nanoparticles to Express Exogenous SREBP1a Enhances Conversion of Dietary Carbohydrates into Lipids in the Liver of Sparus aurata. Biomolecules, 2019, 9, 297.	4.0	7
6	Improved synthesis and characterization of cholesteryl oleate-loaded cationic solid lipid nanoparticles with high transfection efficiency for gene therapy applications. Colloids and Surfaces B: Biointerfaces, 2019, 180, 159-167.	5.0	7
7	Comparison between Microcrystalline Celluloses of different grades made by four manufacturers using the SeDeM diagram expert system as a pharmaceutical characterization tool. Powder Technology, 2019, 342, 780-788.	4.2	20
8	Osmolality predictive models of different polymers as tools in parenteral and ophthalmic formulation development. International Journal of Pharmaceutics, 2018, 543, 190-200.	5.2	7
9	Development and validation of a simple high-performance liquid chromatography analytical method for simultaneous determination of phytosterols, cholesterol and squalene in parenteral lipid emulsions. Biomedical Chromatography, 2018, 32, e4084.	1.7	11
10	Topical Administration of Bosentan Prevents Retinal Neurodegeneration in Experimental Diabetes. International Journal of Molecular Sciences, 2018, 19, 3578.	4.1	21
11	Optimization of the Cohesion Index in the SeDeM Diagram Expert System and application of SeDeM Diagram: An improved methodology to determine the Cohesion Index. PLoS ONE, 2018, 13, e0203846.	2.5	12
12	Administration of chitosan-tripolyphosphate-DNA nanoparticles to knockdown glutamate dehydrogenase expression impairs transdeamination and gluconeogenesis in the liver. Journal of Biotechnology, 2018, 286, 5-13.	3.8	6
13	Cholesteryl oleate-loaded cationic solid lipid nanoparticles as carriers for efficient gene-silencing therapy. International Journal of Nanomedicine, 2018, Volume 13, 3223-3233.	6.7	20
14	Formulation and characterization of mucoadhesive controlled release matrix tablets of captopril. Journal of Drug Delivery Science and Technology, 2017, 42, 215-226.	3.0	9
15	Improved formulation of cationic solid lipid nanoparticles displays cellular uptake and biological activity of nucleic acids. International Journal of Pharmaceutics, 2017, 516, 39-44.	5.2	16
16	Optimization and Validation of a Fast UPLC Method for Simultaneous Determination of Hydroquinone, Kojic Acid, Octinoxate, Avobenzone, BHA, and BHT. Journal of AOAC INTERNATIONAL, 2017, 100, 1-7.	1.5	10
17	Approach to design space from retrospective quality data. Pharmaceutical Development and Technology, 2016, 21, 26-38.	2.4	6
18	Preformulation and characterization of a lidocaine hydrochloride and dexamethasone sodium phosphate thermo-reversible and bioadhesive long-acting gel for intraperitoneal administration. International Journal of Pharmaceutics, 2016, 498, 142-152.	5.2	10

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19	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
20	Chitosan-Mediated shRNA Knockdown of Cytosolic Alanine Aminotransferase Improves Hepatic Carbohydrate Metabolism. <i>Marine Biotechnology</i> , 2016, 18, 85-97.	2.4	6
21	Establishment of criteria for the selection and adaptation of objectives and indicators in ISO9001:2008 quality system in a university pharmaceutical pilot plant. <i>Ars Pharmaceutica</i> , 2015, 56, 17-23.	0.3	0
22	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
23	Development and Validation of a Stability Indicating RP-HPLC Method for Hydrocortisone Acetate Active Ingredient, Propyl Parahydroxybenzoate and Methyl Parahydroxybenzoate Preservatives, Butylhydroxyanisole Antioxidant, and Their Degradation Products in a Rectal Gel Formulation. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 27-34.	1.5	5
24	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
25	Modification of the morphology and particle size of pharmaceutical excipients by spray drying technique. <i>Powder Technology</i> , 2015, 270, 244-255.	4.2	29
26	Determination of stress-induced degradation products of cetirizine dihydrochloride by a stability-indicating RP-HPLC method. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2014, 22, 82.	2.0	2
27	SeDeM expert system a new innovator tool to develop pharmaceutical forms. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 222-236.	2.0	34
28	The use of the SeDeM diagram expert system for the formulation of Captopril SR matrix tablets by direct compression. <i>International Journal of Pharmaceutics</i> , 2014, 461, 38-45.	5.2	29
29	Characterization of alginate beads loaded with ibuprofen lysine salt and optimization of the preparation method. <i>International Journal of Pharmaceutics</i> , 2014, 460, 181-188.	5.2	18
30	Quality by Design approach to understand the physicochemical phenomena involved in controlled release of captopril SR matrix tablets. <i>International Journal of Pharmaceutics</i> , 2014, 477, 431-441.	5.2	61
31	A new optimized formulation of cationic solid lipid nanoparticles intended for gene delivery: Development, characterization and DNA binding efficiency of TCERG1 expression plasmid. <i>International Journal of Pharmaceutics</i> , 2014, 473, 270-279.	5.2	31
32	Chitosan nanoparticles as non-viral gene delivery systems: Determination of loading efficiency. <i>Biomedicine and Pharmacotherapy</i> , 2014, 68, 775-783.	5.6	31
33	New classification of directly compressible (DC) excipients in function of the SeDeM Diagram Expert System. <i>International Journal of Pharmaceutics</i> , 2014, 470, 15-27.	5.2	40
34	DNA delivery via cationic solid lipid nanoparticles (SLNs). <i>European Journal of Pharmaceutical Sciences</i> , 2013, 49, 157-165.	4.0	43
35	Impact of physical parameters on particle size and reaction yield when using the ionic gelation method to obtain cationic polymeric chitosan-tripolyphosphate nanoparticles. <i>International Journal of Pharmaceutics</i> , 2013, 446, 199-204.	5.2	80
36	Predicting orally disintegrating tablets formulations of ibuprofen tablets: An application of the new SeDeM-ODT expert system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 638-648.	4.3	55

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37	Optimization of parameters of the SeDeM Diagram Expert System: Hausner index (IH) and relative humidity (%RH). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 464-472.	4.3	33
38	Quality and Integrity of Data in Research, Development, and Innovation: A Risk Analysis Method Applied to Laboratory Notebooks in a University Pilot Plant. <i>PDA Journal of Pharmaceutical Science and Technology</i> , 2011, 65, 207-216.	0.5	0
39	Quality assurance in research: incorporating ISO9001:2000 into a GMP quality management system in a pharmaceutical R+D+I center. <i>Accreditation and Quality Assurance</i> , 2010, 15, 297-304.	0.8	11
40	The use of the SeDeM Diagram expert system to determine the suitability of diluents and disintegrants for direct compression and their use in formulation of ODT. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 414-423.	4.3	56
41	In vitro evaluation of the effectiveness and cytotoxicity of meglumine antimoniate microspheres produced by spray drying against <i>Leishmania infantum</i> . <i>Parasitology Research</i> , 2008, 102, 1243-1247.	1.6	28
42	Method for the development of topical medicinal aerosols using liquified hydrocarbon gas. <i>International Journal of Pharmaceutics</i> , 2008, 355, 126-130.	5.2	2
43	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
44	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
45	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
46	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
47	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
48	Synthetic Hydromagnesite as Flame Retardant. A Study of the Stearic Coating Process. <i>Macromolecular Symposia</i> , 2005, 221, 165-174.	0.7	22
49	Development and validation of a new HPLC analytical method for the determination of alprazolam in tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 34, 979-987.	2.8	35
50	Study of Formulation Parameters by Factorial Design in Metoprolol Tartrate Matrix Systems. <i>Drug Development and Industrial Pharmacy</i> , 2001, 27, 965-973.	2.0	5
51	Problems Involved in the Manufacture of Penicillin Products. <i>Drug Development and Industrial Pharmacy</i> , 1996, 22, 541-554.	2.0	0