Pilar PÃ©rez-Lozano

List of Publications by Year
in descending order

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35	863	516710 16	477307 29
papers	citations	h-index	g-index

36	36	36	934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formulation of Direct Compression Zidovudine Tablets to Correlate the SeDeM Diagram Expert System and the Rotary Press Simulator Stylâ€™ONE Results. AAPS PharmSciTech, 2020, 21, 1.	3.3	123
2	Trends in the food and sports nutrition industry: A review. Critical Reviews in Food Science and Nutrition, 2020, 60, 2405-2421.	10.3	60
3	Application of the SeDeM Diagram and a new mathematical equation in the design of direct compression tablet formulation. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 1029-1039.	4.3	57
4	The use of the SeDeM Diagram expert system to determine the suitability of diluentsâ€“disintegrants for direct compression and their use in formulation of ODT. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 73, 414-423.	4.3	56
5	Predicting orally disintegrating tablets formulations of ibuprophen tablets: An application of the new SeDeM-ODT expert system. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 638-648.	4.3	55
6	3D printed gummies: Personalized drug dosage in a safe and appealing way. International Journal of Pharmaceutics, 2020, 587, 119687.	5.2	51
7	Excipients in the Paediatric Population: A Review. Pharmaceutics, 2021, 13, 387.	4.5	51
8	DNA delivery via cationic solid lipid nanoparticles (SLNs). European Journal of Pharmaceutical Sciences, 2013, 49, 157-165.	4.0	43
9	New classification of directly compressible (DC) excipients in function of the SeDeM Diagarm Expert System. International Journal of Pharmaceutics, 2014, 470, 15-27.	5.2	40
10	SeDeM expert system a new innovator tool to develop pharmaceutical forms. Drug Development and Industrial Pharmacy, 2014, 40, 222-236.	2.0	34
11	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
12	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
13	Chitosan nanoparticles as non-viral gene delivery systems: Determination of loading efficiency. Biomedicine and Pharmacotherapy, 2014, 68, 775-783.	5.6	31
14	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. Analytical Methods, 2016, 8, 1170-1180.	2.7	21
15	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
16	Formulation of Sustained Release Hydrophilic Matrix Tablets of Tolcapone with the Application of Sedem Diagram: Influence of Tolcaponeâ€™s Particle Size on Sustained Release. Pharmaceutics, 2020, 12, 674.	4.5	17
17	Bicyclic Î±-Iminophosphonates as High Affinity Imidazoline I₂ Receptor Ligands for Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2020, 63, 3610-3633.	6.4	17
18	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

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19	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
20	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
21	Development and validation of a simple highâ€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
22	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
23	The role of SeDeM for characterizing the active substance and polyvinylpyrrolidone eliminating metastable forms in an oral lyophilizateâ€"A preformulation study. PLoS ONE, 2018, 13, e0196049.	2.5	10
24	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
25	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
26	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
27	Approach to design space from retrospective quality data. Pharmaceutical Development and Technology, 2016, 21, 26-38.	2.4	6
28	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. Journal of AOAC INTERNATIONAL, 2015, 98, 27-34.	1.5	5
29	A new design for the review and appraisal of semi-solid dosage forms: Semi-solid Control Diagram (SSCD). PLoS ONE, 2018, 13, e0201643.	2.5	5
30	Spatiotemporal Analysis of Hydration Mechanism in Sodium Alginate Matrix Tablets. Materials, 2021, 14, 646.	2.9	5
31	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
32	Development and Validation of a New High-Performance Liquid Chromatography Method for the Simultaneous Quantification of Coenzyme Q10, Phosphatidylserine, and Vitamin C from a Cutting-Edge Liposomal Vehiculization. ACS Omega, 2019, 4, 19710-19715.	3.5	2
33	Robustness Optimization of an Existing Tablet Coating Process Applying Retrospective Knowledge (rQbD) and Validation. Pharmaceutics, 2020, 12, 743.	4.5	2
34	Application of a validated method in the stability study of colistin sulfate and methylparaben in a veterinary suspension formulation by high-performance liquid chromatography with a diode array detector. Journal of AOAC INTERNATIONAL, 2007, 90, 706-14.	1.5	2
35	(2-Imidazolin-4-yl)phosphonates: Green Chemistry and Biology Walk Together. Proceedings (mdpi), 2019, 22, 97.	0.2	0