Melgardt M De Villiers

List of Publications by Year
in descending order

29	1,022	623734	477307
papers	citations	14 h-index	29 g-index

31	31	31	1738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In Vitro Skin Delivery of Griseofulvin by Layer-by-Layer Nanocoated Emulsions Stabilized by Whey Protein and Polysaccharides. Pharmaceutics, 2022, 14, 554.	4.5	5
2	Coarse-Grained Molecular Dynamics (CG-MD) Simulation of the Encapsulation of Dexamethasone in PSS/PDDA Layer-by-Layer Assembled Polyelectrolyte Nanocapsules. AAPS PharmSciTech, 2020, 21, 292.	3.3	5
3	Layer-by-Layer Nanocoating of Antiviral Polysaccharides on Surfaces to Prevent Coronavirus Infections. Molecules, 2020, 25, 3415.	3.8	25
4	Poly(amidoamine) Dendrimers as a Pharmaceutical Excipient. Are We There yet?. Journal of Pharmaceutical Sciences, 2018, 107, 75-83.	3.3	41
5	Dissipative Particle Dynamics Investigation of the Transport of Salicylic Acid through a Simulated In Vitro Skin Permeation Model. Pharmaceuticals, 2018, 11, 134.	3.8	11
6	All-atomistic molecular dynamics (AA-MD) studies and pharmacokinetic performance of PAMAM-dendrimer-furosemide delivery systems. International Journal of Pharmaceutics, 2018, 547, 545-555.	5.2	10
7	Application of halloysite clay nanotubes as a pharmaceutical excipient. International Journal of Pharmaceutics, 2017, 521, 267-273.	5.2	94
8	Paclitaxel Encapsulated in Halloysite Clay Nanotubes for Intestinal and Intracellular Delivery. Journal of Pharmaceutical Sciences, 2017, 106, 3131-3139.	3.3	98
9	Solid State Concerns During Drug Discovery and Development: Thermodynamic and Kinetic Aspects of Crystal Polymorphism and the Special Cases of Concomitant Polymorphs, Co-Crystals and Glasses. Current Drug Discovery Technologies, 2017, 14, 72-105.	1.2	14
10	Self-assembled macromolecular nanocoatings to stabilize and control drug release from nanoparticles. Powder Technology, 2014, 256, 470-476.	4.2	18
11	Photostability of Crystalline Versus Amorphous Nifedipine and Nimodipine. Journal of Pharmaceutical Sciences, 2013, 102, 1883-1894.	3.3	13
12	Why is the nanoscale special (or not)? Fundamental properties and how it relates to the design of nano-enabled drug delivery systems. Nanotechnology Reviews, 2013, 2, 171-199.	5.8	17
13	Crystallization of Toxic Glycol Solvates of Rifampin from Glycerin and Propylene Glycol Contaminated with Ethylene Glycol or Diethylene Glycol. Molecular Pharmaceutics, 2011, 8, 877-888.	4.6	14
14	Polymorphism of the Antitubercular Isoxyl. Crystal Growth and Design, 2011, 11, 4950-4957.	3.0	13
15	Introduction to nanocoatings produced by layer-by-layer (LbL) self-assembly. Advanced Drug Delivery Reviews, 2011, 63, 701-715.	13.7	331
16	Layer-by-layer self-assembled nanoshells for drug delivery. Advanced Drug Delivery Reviews, 2011, 63, 699-700.	13.7	45
17	Preparation and characterization of directly compactible layer-by-layer nanocoated cellulose. International Journal of Pharmaceutics, 2011, 404, 57-65.	5.2	26
18	Influence of the Composition of Water/Ethanol Mixtures on the Solubility and Recrystallization of Nevirapine. Crystal Growth and Design, 2010, 10, 3859-3868.	3.0	18

#	Article	IF	Citations
19	Effects of the cosurfactant 1â€butanol and feed composition on nanoparticle properties produced by microemulsion copolymerization of styrene and methyl methacrylate. Journal of Applied Polymer Science, 2008, 107, 3950-3962.	2.6	7
20	Application of Size Exclusion Chromatography in the Development and Characterization of Nanoparticulate Drug Delivery Systems. Journal of Liquid Chromatography and Related Technologies, 2007, 30, 2489-2514.	1.0	7
21	Variable-temperature X-ray powder diffraction analysis of the crystal transformation of the pharmaceutically preferred polymorph C of mebendazole. Journal of Pharmaceutical and Biomedical Analysis, 2005, 38, 435-441.	2.8	53
22	Isothermal and Dynamic Microcalorimetry for Quantifying the Crystallization of an Amorphous Drug during Interactive Powder Mixing. Particulate Science and Technology, 2005, 23, 323-334.	2.1	2
23	Development and Validation of an HPLC Method Involving Solidâ€Phase Extraction for the Analysis of Hydrophobic Drugs in the Presence of Polyamidoamine (PAMAM) Dendrimers. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 2325-2338.	1.0	3
24	The Relationship Between Surface Adsorption and the Hydrolysis of Amitraz in Anionic Surfactant Solutions. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2005, 40, 215-231.	1.5	1
25	Physicochemical Characterization of Hydrated 4-Sulphonato-Calix[n]arenes: Thermal, Structural, and Sorption Properties. Supramolecular Chemistry, 2005, 17, 485-496.	1.2	14
26	Comparison of the Physical and Chemical Stability of Niclosamide Crystal Forms in Aqueous Versus Nonaqueous Suspensions. Drug Development and Industrial Pharmacy, 2004, 30, 581-592.	2.0	22
27	Structural Characterization, Physicochemical Properties, Suspension Stability, and Adsorption Properties of Four Solid Forms of Amitraz. Journal of Agricultural and Food Chemistry, 2004, 52, 7362-7369.	5.2	5
28	Characterization of the Solubility and Dissolution Properties of Several New Rifampicin Polymorphs, Solvates, and Hydrates. Drug Development and Industrial Pharmacy, 2001, 27, 1017-1030.	2.0	79
29	The Dissolution and Complexing Properties of Ibuprofen and Ketoprofen when Mixed withN-Methylglucamine. Drug Development and Industrial Pharmacy, 1999, 25, 967-972.	2.0	26