

Jyrki HeinÄmÄki

List of Publications by Year in descending order

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58
papers

1,337
citations

331259

21
h-index

360668

35
g-index

58
all docs

58
docs citations

58
times ranked

1692
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun nanofibers as a potential controlled-release solid dispersion system for poorly water-soluble drugs. <i>International Journal of Pharmaceutics</i> , 2015, 479, 252-260.	2.6	85
2	A Mini-Review: Needleless Electrospinning of Nanofibers for Pharmaceutical and Biomedical Applications. <i>Processes</i> , 2020, 8, 673.	1.3	85
3	Corn Starches as Film Formers in Aqueous-Based Film Coating. <i>Pharmaceutical Development and Technology</i> , 2001, 6, 353-361.	1.1	61
4	Monitoring tablet surface roughness during the film coating process. <i>AAPS PharmSciTech</i> , 2006, 7, E1-E6.	1.5	61
5	Amorphous solid dispersions of piroxicam and Soluplus®: Qualitative and quantitative analysis of piroxicam recrystallization during storage. <i>International Journal of Pharmaceutics</i> , 2015, 486, 306-314.	2.6	60
6	Effects of Spray Drying on Physicochemical Properties of Chitosan Acid Salts. <i>AAPS PharmSciTech</i> , 2011, 12, 637-649.	1.5	59
7	Establishing quantitative in-line analysis of multiple solid-state transformations during dehydration. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4983-4999.	1.6	54
8	Effect of Moisture on Powder Flow Properties of Theophylline. <i>Pharmaceutics</i> , 2010, 2, 275-290.	2.0	54
9	Qualitative in situ analysis of multiple solid-state forms using spectroscopy and partial least squares discriminant modeling. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 1802-1820.	1.6	51
10	Soluplus Graft Copolymer: Potential Novel Carrier Polymer in Electrospinning of Nanofibrous Drug Delivery Systems for Wound Therapy. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	46
11	Tablet film-coating with amylose-rich maize starch. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 17, 23-30.	1.9	41
12	Insight into Thermally Induced Phase Transformations of Erythromycin A Dihydrate. <i>Crystal Growth and Design</i> , 2006, 6, 369-374.	1.4	37
13	Investigating Dehydration from Compacts Using Terahertz Pulsed, Raman, and Near-Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2007, 61, 1265-1274.	1.2	33
14	Preparation and characterization of hot-melt extruded polycaprolactone-based filaments intended for 3D-printing of tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 158, 105619.	1.9	33
15	Insight into the solubility and dissolution behavior of piroxicam anhydrate and monohydrate forms. <i>International Journal of Pharmaceutics</i> , 2012, 431, 111-119.	2.6	32
16	Ultrasound-enhanced electrospinning. <i>Scientific Reports</i> , 2018, 8, 4437.	1.6	32
17	Development of Oromucosal Dosage Forms by Combining Electrospinning and Inkjet Printing. <i>Molecular Pharmaceutics</i> , 2017, 14, 808-820.	2.3	31
18	Direct compression properties of chitin and chitosan. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 964-968.	2.0	30

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19	Solid-state properties of softwood lignin and cellulose isolated by a new acid precipitation method. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 939-945.	3.6	25
20	Influence of the Aqueous Film Coating Process on the Properties and Stability of Tablets Containing a Moisture-sensitive Drug. <i>Pharmaceutical Development and Technology</i> , 2003, 8, 443-451.	1.1	23
21	Nanoformulation and Evaluation of Oral Berberine-Loaded Liposomes. <i>Molecules</i> , 2021, 26, 2591.	1.7	23
22	Development of Suberin Fatty Acids and Chloramphenicol-Loaded Antimicrobial Electrospun Nanofibrous Mats Intended for Wound Therapy. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1239-1247.	1.6	22
23	Solid-state dependent dissolution and oral bioavailability of piroxicam in rats. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 47-54.	1.9	21
24	Comparison of Traditional and Ultrasound-Enhanced Electrospinning in Fabricating Nanofibrous Drug Delivery Systems. <i>Pharmaceutics</i> , 2019, 11, 495.	2.0	20
25	Use of artificial cells as drug carriers. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6672-6692.	3.2	20
26	Towards improved solubility of poorly water-soluble drugs: cryogenic co-grinding of piroxicam with carrier polymers. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 378-388.	0.9	19
27	Development of a novel electrospun nanofibrous delivery system for poorly water-soluble β -sitosterol. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 500-506.	4.3	18
28	Suberin Fatty Acids from Outer Birch Bark: Isolation and Physical Material Characterization. <i>Journal of Natural Products</i> , 2017, 80, 916-924.	1.5	17
29	The formation and physical stability of two-phase solid dispersion systems of indomethacin in supercooled molten mixtures with different matrix formers. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 97, 237-246.	1.9	17
30	Suberin fatty acids isolated from outer birch bark improve moisture barrier properties of cellulose ether films intended for tablet coatings. <i>International Journal of Pharmaceutics</i> , 2015, 489, 91-99.	2.6	16
31	Understanding processing-induced phase transformations in erythromycin-PEG 6000 solid dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1723-1732.	1.6	15
32	Effects of moisture on tablet compression of chitin. <i>Carbohydrate Polymers</i> , 2011, 86, 477-483.	5.1	15
33	Atomic layer deposition—A novel method for the ultrathin coating of minitables. <i>International Journal of Pharmaceutics</i> , 2017, 531, 47-58.	2.6	15
34	Development of electrosprayed artesunate-loaded core-shell nanoparticles. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1134-1142.	0.9	14
35	Physicomechanical characterization and tablet compression of theophylline nanofibrous mats prepared by conventional and ultrasound enhanced electrospinning. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121558.	2.6	14
36	Waxy Corn Starch: A Potent Cofiller in Pellets Produced by Extrusion-Spheronization. <i>Pharmaceutical Development and Technology</i> , 2000, 5, 67-76.	1.1	13

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37	Preformulation Study of Electrospun Haemanthamine-Loaded Amphiphilic Nanofibers Intended for a Solid Template for Self-Assembled Liposomes. <i>Pharmaceutics</i> , 2019, 11, 499.	2.0	11
38	Berberine-loaded liposomes for oral delivery: Preparation, physicochemical characterization and in-vivo evaluation in an endogenous hyperlipidemic animal model. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121525.	2.6	11
39	Scratch resistance of plasticized hydroxypropyl methylcellulose (HPMC) films intended for tablet coatings. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 371-376.	2.0	10
40	Water-mediated solid-state transformation of a polymorphic drug during aqueous-based drug-layer coating of pellets. <i>International Journal of Pharmaceutics</i> , 2013, 456, 41-48.	2.6	10
41	Nanometer depth resolution in 3D topographic analysis of drug-loaded nanofibrous mats without sample preparation. <i>International Journal of Pharmaceutics</i> , 2014, 462, 29-37.	2.6	10
42	Melt-electrospinning as a method to improve the dissolution and physical stability of a poorly water-soluble drug. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 121, 260-268.	1.9	10
43	<i>chiro</i> -Inositol Derivatives from <i>Chisocheton paniculatus</i> Showing Inhibition of Nitric Oxide Production. <i>Journal of Natural Products</i> , 2020, 83, 1201-1206.	1.5	10
44	Older adults using multi-dose dispensing exposed to risks of potentially inappropriate medications. <i>Research in Social and Administrative Pharmacy</i> , 2019, 15, 1102-1106.	1.5	7
45	Flavonoids and alkaloids from the rhizomes of <i>Zephyranthes ajax</i> Hort. and their cytotoxicity. <i>Scientific Reports</i> , 2020, 10, 22193.	1.6	7
46	Direct Compression of Cellulose and Lignin Isolated by a New Catalytic Treatment. <i>AAPS PharmSciTech</i> , 2013, 14, 1129-1136.	1.5	6
47	Towards more reliable automated multi-dose dispensing: retrospective follow-up study on medication dose errors and product defects. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 489-498.	0.9	6
48	Interdependence of particle properties and bulk powder behavior of indomethacin in quench-cooled molten two-phase solid dispersions. <i>International Journal of Pharmaceutics</i> , 2018, 541, 188-197.	2.6	6
49	Quasi-Dynamic Dissolution of Electrospun Polymeric Nanofibers Loaded with Piroxicam. <i>Pharmaceutics</i> , 2019, 11, 491.	2.0	6
50	From acacia honey monosaccharide content to a new external binary plasticizer applicable in aqueous whey protein films. <i>Food and Bioproducts Processing</i> , 2013, 91, 440-446.	1.8	4
51	The role of community pharmacies in counseling of personal medical devices and drug-delivery products in Estonia. <i>Expert Review of Medical Devices</i> , 2015, 12, 487-493.	1.4	3
52	Effects of crosslinking on the physical solid-state and dissolution properties of 3D-printed theophylline tablets. <i>Annals of 3D Printed Medicine</i> , 2021, 4, 100031.	1.6	3
53	Perception of the Professional Knowledge of and Education on the Medical Technology Products among the Pharmacists in the Baltic and Nordic Countries – A Cross-Sectional Exploratory Study. <i>Pharmacy (Basel, Switzerland)</i> , 2016, 4, 29.	0.6	1
54	FEM Modelling of Ultrasound Enhanced Electrospinning (USES)., 2019, , ,		1

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55	Spray Drying of Chitosan Acid Salts: Process Development, Scaling Up and Physicochemical Material Characterization. <i>Marine Drugs</i> , 2021, 19, 329.	2.2	1
56	In Vitro Acetylcholinesterase Inhibitory and Antioxidant Activity of <i>Alphonsea tonkinensis</i> A.D.C. <i>Natural Product Communications</i> , 2021, 16, 1934578X2110421.	0.2	1
57	Identifying Potential Drug-Related Problems Among Geriatric Patients With Use of an Integrated Clinical Decision Support Tool. <i>Frontiers in Pharmacology</i> , 2022, 13, 761787.	1.6	1
58	Electrospun amphiphilic nanofibers for stigmasterol loaded delivery systems. , 2021, , .		0