

Kyriakos Kachrimanis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

1,890
citations

28
h-index

41
g-index

73
ext. papers

2,187
ext. citations

5
avg, IF

5.2
L-index

#	Paper	IF	Citations
71	Preparation of carbamazepine-Soluplus solid dispersions by hot-melt extrusion, and prediction of drug-polymer miscibility by thermodynamic model fitting. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 84, 228-37	5.7	140
70	Pharmaceutical nanocrystals: production by wet milling and applications. <i>Drug Discovery Today</i> , 2018 , 23, 534-547	8.8	131
69	Pharmaceutical Cocrystals: New Solid Phase Modification Approaches for the Formulation of APIs. <i>Pharmaceutics</i> , 2018 , 10,	6.4	90
68	Drug release from tableted wet granulations comprising cellulosic (HPMC or HPC) and hydrophobic component. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005 , 59, 73-83	5.7	75
67	Co-Amorphous Solid Dispersions for Solubility and Absorption Improvement of Drugs: Composition, Preparation, Characterization and Formulations for Oral Delivery. <i>Pharmaceutics</i> , 2018 , 10,	6.4	72
66	Quantitative analysis of paracetamol polymorphs in powder mixtures by FT-Raman spectroscopy and PLS regression. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 43, 407-12	3.5	72
65	Solubility enhancement of desloratadine by solid dispersion in poloxamers. <i>International Journal of Pharmaceutics</i> , 2012 , 436, 161-70	6.5	67
64	Controlled release of 5-fluorouracil from microporous zeolites. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 197-205	6	62
63	Solid dispersions in the development of a nimodipine floating tablet formulation and optimization by artificial neural networks and genetic programming. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 77, 122-31	5.7	58
62	Dynamic moisture sorption and desorption of standard and silicified microcrystalline cellulose. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006 , 64, 307-15	5.7	52
61	Optimization of formulation and process parameters for the production of carvedilol nanosuspension by wet media milling. <i>International Journal of Pharmaceutics</i> , 2018 , 540, 150-161	6.5	42
60	Improvement of aripiprazole solubility by complexation with (2-hydroxy)propyl-β-cyclodextrin using spray drying technique. <i>AAPS PharmSciTech</i> , 2012 , 13, 623-31	3.9	41
59	Influence of hydrophilic polymers on the complexation of carbamazepine with hydroxypropyl-β-cyclodextrin. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 78, 273-85	5.1	39
58	Artificial neural networks in the optimization of a nimodipine controlled release tablet formulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 74, 316-23	5.7	39
57	Artificial neural networks (ANNs) and modeling of powder flow. <i>International Journal of Pharmaceutics</i> , 2003 , 250, 13-23	6.5	39
56	Spherical crystal agglomeration of ibuprofen by the solvent-change technique in presence of methacrylic polymers. <i>Journal of Pharmaceutical Sciences</i> , 2000 , 89, 250-9	3.9	39
55	Production of aprepitant nanocrystals by wet media milling and subsequent solidification. <i>International Journal of Pharmaceutics</i> , 2017 , 533, 324-334	6.5	38

54	Crystallisation conditions and physicochemical properties of ibuprofen Eudragit [®] S100 spherical crystal agglomerates prepared by the solvent-change technique. <i>International Journal of Pharmaceutics</i> , 1998 , 173, 61-74	6.5	35
53	Effects of moisture and residual solvent on the phase stability of orthorhombic paracetamol. <i>Pharmaceutical Research</i> , 2008 , 25, 1440-9	4.5	33
52	Symbolic regression via genetic programming in the optimization of a controlled release pharmaceutical formulation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011 , 107, 75-82	3.8	32
51	Simultaneous quantification of carbamazepine crystal forms in ternary mixtures (I, III, and IV) by diffuse reflectance FTIR spectroscopy (DRIFTS) and multivariate calibration. <i>Journal of Pharmaceutical Sciences</i> , 2006 , 95, 2419-31	3.9	32
50	Tensile strength and disintegration of tableted silicified microcrystalline cellulose: influences of interparticle bonding. <i>Journal of Pharmaceutical Sciences</i> , 2003 , 92, 1489-501	3.9	31
49	Dissolution rate enhancement and physicochemical characterization of carbamazepine-poloxamer solid dispersions. <i>Pharmaceutical Development and Technology</i> , 2016 , 21, 268-76	3.4	30
48	Effects of harvesting and cooling on crystallization and transformation of orthorhombic paracetamol in ethanolic solution. <i>European Journal of Pharmaceutical Sciences</i> , 2002 , 17, 13-21	5.1	29
47	Flow rate of some pharmaceutical diluents through die-orifices relevant to mini-tableting. <i>International Journal of Pharmaceutics</i> , 2005 , 303, 72-80	6.5	29
46	Molecular simulations for amorphous drug formulation: Polymeric matrix properties relevant to hot-melt extrusion. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 119, 259-267	5.1	28
45	Artificial neural networks (ANNs) and partial least squares (PLS) regression in the quantitative analysis of cocrystal formulations by Raman and ATR-FTIR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 158, 214-224	3.5	28
44	Simultaneous quantitative analysis of mebendazole polymorphs A-C in powder mixtures by DRIFTS spectroscopy and ANN modeling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 512-20	3.5	28
43	Combined effects of wetting, drying, and microcrystalline cellulose type on the mechanical strength and disintegration of pellets. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 676-89	3.9	27
42	Relations between crystallisation conditions and micromeritic properties of ibuprofen. <i>International Journal of Pharmaceutics</i> , 2000 , 201, 79-88	6.5	27
41	Compatibility study between trandolapril and natural excipients used in solid dosage forms. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 111, 2109-2115	4.1	25
40	Analytical and Computational Methods for the Estimation of Drug-Polymer Solubility and Miscibility in Solid Dispersions Development. <i>Pharmaceutics</i> , 2019 , 11,	6.4	23
39	Spray Drying for the Preparation of Nanoparticle-Based Drug Formulations as Dry Powders for Inhalation. <i>Processes</i> , 2020 , 8, 788	2.9	21
38	Effect of composition in the development of carbamazepine hot-melt extruded solid dispersions by application of mixture experimental design. <i>Journal of Pharmacy and Pharmacology</i> , 2014 , 66, 232-43	4.8	21
37	Preparation of respirable nanoparticle agglomerates of the low melting and ductile drug ibuprofen: Impact of formulation parameters. <i>Powder Technology</i> , 2017 , 308, 123-134	5.2	20

36	Dehydration kinetics and crystal water dynamics of carbamazepine dihydrate. <i>Pharmaceutical Research</i> , 2012 , 29, 1143-57	4.5	20
35	"Apparent" Young's elastic modulus and radial recovery for some tableted pharmaceutical excipients. <i>European Journal of Pharmaceutical Sciences</i> , 2004 , 21, 197-207	5.1	18
34	Comparison of multi-linear regression, particle swarm optimization artificial neural networks and genetic programming in the development of mini-tablets. <i>International Journal of Pharmaceutics</i> , 2018 , 551, 166-176	6.5	18
33	Preparation of theophylline inhalable microcomposite particles by wet milling and spray drying: The influence of mannitol as a co-milling agent. <i>International Journal of Pharmaceutics</i> , 2016 , 514, 200-215	6.5	17
32	Quantitative analysis of less soluble form IV in commercial carbamazepine (form III) by diffuse reflectance fourier transform spectroscopy (DRIFTS) and lazy learning algorithm. <i>Analytica Chimica Acta</i> , 2005 , 550, 191-198	6.6	17
31	Compact size and mechanical strength of pharmaceutical diluents. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 24, 169-77	5.1	17
30	A study of jet-milling and spray-drying process for the physicochemical and aerodynamic dispersion properties of amiloride HCl. <i>Powder Technology</i> , 2014 , 262, 170-176	5.2	15
29	Crystallization tendency of APIs possessing different thermal and glass related properties in amorphous solid dispersions. <i>International Journal of Pharmaceutics</i> , 2020 , 579, 119149	6.5	14
28	Rivaroxaban polymeric amorphous solid dispersions: Moisture-induced thermodynamic phase behavior and intermolecular interactions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 145, 98-112	5.7	13
27	Molecular modelling and simulation of fusion-based amorphous drug dispersions in polymer/plasticizer blends. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 130, 260-268	5.1	12
26	Statistical moments in modelling of swelling, erosion and drug release of hydrophilic matrix-tablets. <i>International Journal of Pharmaceutics</i> , 2018 , 540, 1-10	6.5	12
25	The influence of spiral jet-milling on the physicochemical properties of carbamazepine form III crystals: Quality by design approach. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 500-508	5.5	12
24	Crystallization of paracetamol from ethanol-water solutions in the presence of polymers. <i>Journal of Pharmacy and Pharmacology</i> , 1999 , 51, 1219-27	4.8	11
23	Spray coating as a powerful technique in preparation of solid dispersions with enhanced desloratadine dissolution rate. <i>Drug Development and Industrial Pharmacy</i> , 2013 , 39, 1020-7	3.6	9
22	Partially hydrolyzed polyvinyl alcohol for fusion-based pharmaceutical formulation processes: Evaluation of suitable plasticizers. <i>International Journal of Pharmaceutics</i> , 2020 , 578, 119121	6.5	8
21	Insight into the Formation of Glimepiride Nanocrystals by Wet Media Milling. <i>Pharmaceutics</i> , 2020 , 12,	6.4	8
20	Physicochemical characterization of nimodipine-polyethylene glycol solid dispersion systems. <i>Drug Development and Industrial Pharmacy</i> , 2014 , 40, 886-95	3.6	7
19	Overcoming the Solubility Barrier of Ibuprofen by the Rational Process Design of a Nanocrystal Formulation. <i>Pharmaceutics</i> , 2020 , 12,	6.4	7

18	A study of water uptake by selected superdisintegrants from the sub-molecular to the particulate level. <i>Pharmaceutical Development and Technology</i> , 2018 , 23, 476-487	3.4	6
17	mRNA Therapeutic Modalities Design, Formulation and Manufacturing under Pharma 4.0 Principles.. <i>Biomedicines</i> , 2021 , 10,	4.8	6
16	Amorphous agomelatine stabilization in the presence of pyrogenic silica: Molecular mobility and intermolecular interaction studies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 139, 291-300	5.7	5
15	Mechanical properties and drug release of venlafaxine HCl solid mini matrices prepared by hot-melt extrusion and hot or ambient compression. <i>Drug Development and Industrial Pharmacy</i> , 2018 , 44, 338-348	3.6	5
14	Preparation of pharmaceutical cocrystal formulations via melt mixing technique: A thermodynamic perspective. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 131, 130-140	5.7	5
13	Physicochemical characterization and decomposition kinetics of trandolapril. <i>Thermochimica Acta</i> , 2012 , 539, 92-99	2.9	5
12	Sildenafil 4.0-Integrated Synthetic Chemistry, Formulation and Analytical Strategies Effecting Immense Therapeutic and Societal Impact in the Fourth Industrial Era. <i>Pharmaceutics</i> , 2021 , 14,	5.2	5
11	Development of a Novel Amorphous Agomelatine Formulation With Improved Storage Stability and Enhanced Bioavailability. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 257-266	3.9	4
10	Development of a Nanocrystal Formulation of a Low Melting Point API Following a Quality by Design Approach. <i>Processes</i> , 2021 , 9, 954	2.9	4
9	Pharma 4.0 Continuous mRNA Drug Products Manufacturing. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
8	Crystallization kinetics of orthorhombic paracetamol from supercooled melts studied by non-isothermal DSC. <i>Drug Development and Industrial Pharmacy</i> , 2017 , 43, 257-263	3.6	3
7	Optimization of extended-release hydrophilic matrix tablets by support vector regression. <i>Drug Development and Industrial Pharmacy</i> , 2011 , 37, 80-7	3.6	2
6	Image analysis by pulse coupled neural networks (PCNN)--a novel approach in granule size characterization. <i>Journal of Pharmacy and Pharmacology</i> , 2007 , 59, 51-7	4.8	2
5	Polymers as Formulation Excipients for Hot-Melt Extrusion Processing of Pharmaceuticals 2015 , 121-149		1
4	Integrating Elastic Tensor and PC-SAFT Modeling with Systems-Based Pharma 4.0 Simulation, to Predict Process Operations and Product Specifications of Ternary Nanocrystalline Suspensions. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
3	Potential application of low molecular weight excipients for amorphization and dissolution enhancement of carvedilol. <i>International Journal of Pharmaceutics</i> , 2021 , 608, 121033	6.5	1
2	Development of agomelatine nanocomposite formulations by wet media milling. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 166, 105979	5.1	1
1	Structural and Energetic Aspects of Entacapone-Theophylline-Water Cocrystal. <i>Solids</i> , 2022 , 3, 66-92	0	0

