Geoff Smith

List of Publications by Year
in descending order

19 papers	193 citations	1040056 9 h-index	1058476 14 g-index
20 all docs	20 docs citations	20 times ranked	265 citing authors

#	Article	IF	Citations
1	Solubility and dissolution rate enhancement of ibuprofen by co-milling with polymeric excipients. European Journal of Pharmaceutical Sciences, 2018, 123, 395-403.	4.0	35
2	Quantification of residual crystallinity in ball milled commercially sourced lactose monohydrate by thermo-analytical techniques and terahertz spectroscopy. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 92, 180-191.	4.3	24
3	Application of the generalized mean value function to the statistical detection of water in decane by near-infrared spectroscopy. Physica A: Statistical Mechanics and Its Applications, 2005, 352, 379-396.	2.6	14
4	Quantification of residual crystallinity of ball-milled, commercially available, anhydrous Î²-lactose by differential scanning calorimetry and terahertz spectroscopy. Journal of Thermal Analysis and Calorimetry, 2015, 121, 327-333.	3.6	14
5	A percolation cluster model of the temperature dependent dielectric properties of hydrated proteins. Journal Physics D: Applied Physics, 2003, 36, 336-342.	2.8	13
6	Through-Vial Impedance Spectroscopy of the Mechanisms of Annealing in the Freeze-Drying of Maltodextrin: The Impact of Annealing Hold Time and Temperature on the Primary Drying Rate. Journal of Pharmaceutical Sciences, 2014, 103, 1799-1810.	3.3	13
7	Through-vial impedance spectroscopy of critical events during the freezing stage of the lyophilization cycle: The example of the impact of sucrose on the crystallization of mannitol. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 598-605.	4.3	13
8	Effect of Arginine on the Aggregation of Protein in Freeze-Dried Formulations Containing Sugars and Polyol: 1â€”Formulation Development. AAPS PharmSciTech, 2018, 19, 896-911.	3.3	13
9	Process Understanding in Freeze-Drying Cycle Development: Applications for Through-Vial Impedance Spectroscopy (TVIS) in Mini-pilot Studies. Journal of Pharmaceutical Innovation, 2017, 12, 26-40.	2.4	11
10	An application for impedance spectroscopy in the characterisation of the glass transition during the lyophilization cycle: The example of a 10% w/v maltodextrin solution. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 1130-1140.	4.3	9
11	Effect of Arginine on the Aggregation of Protein in Freeze-Dried Formulations Containing Sugars and Polyol: II. BSA Reconstitution and Aggregation. AAPS PharmSciTech, 2018, 19, 2934-2947.	3.3	8
12	The application of dual-electrode through vial impedance spectroscopy for the determination of ice interface temperatures, primary drying rate and vial heat transfer coefficient in lyophilization process development. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 224-235.	4.3	8
13	Factors Affecting the Use of Impedance Spectroscopy in the Characterisation of the Freezing Stage of the Lyophilisation Process: the Impact of Liquid Fill Height in Relation to Electrode Geometry. AAPS PharmSciTech, 2014, 15, 261-269.	3.3	5
14	Determination of ice interface temperature, sublimation rate and the dried product resistance, and its application in the assessment of microcollapse using through-vial impedance spectroscopy. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 152, 144-163.	4.3	5
15	Micro-Structural Analysis of Tablet Surface Layers by Intelligent Laser Speckle Classification (ILSC) Technique: an Application in the Study of both Surface Defects and Subsurface Granule Structures. Journal of Pharmaceutical Innovation, 2017, 12, 296-308.	2.4	4
16	Correlation between molecular dynamics and physical stability of two milled anhydrous sugars: Lactose and sucrose. International Journal of Pharmaceutics, 2018, 551, 184-194.	5.2	2
17	Observations on the Changing Shape of the Ice Mass and the Determination of the Sublimation End Point in Freeze-Drying: An Application for Through-Vial Impedance Spectroscopy (TVIS). Pharmaceutics, 2021, 13, 1835.	4.5	2
18	Through-Vial Impedance Spectroscopy (TVIS). , 2019, , 77-98.		0

#	Article	IF	Citations
19	Investigation on a quantum communication phenomenon between subatomic properties of substances by quantum eraser pattern quantification. Optical Engineering, 2020, 59, 1.	1.0	0