

Geoff Smith

List of Publications by Year in descending order

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Version: 2024-02-01

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	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). <i>Pharmaceutics</i> , 2021, 13, 1835.	4.5	2
2	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. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 152, 144-163.	4.3	5
3	Investigation on a quantum communication phenomenon between subatomic properties of substances by quantum eraser pattern quantification. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	0
4	Through-Vial Impedance Spectroscopy (TVIS). , 2019, , 77-98.		0
5	Effect of Arginine on the Aggregation of Protein in Freeze-Dried Formulations Containing Sugars and Polyol: 1 st Formulation Development. <i>AAPS PharmSciTech</i> , 2018, 19, 896-911.	3.3	13
6	Correlation between molecular dynamics and physical stability of two milled anhydrous sugars: Lactose and sucrose. <i>International Journal of Pharmaceutics</i> , 2018, 551, 184-194.	5.2	2
7	Effect of Arginine on the Aggregation of Protein in Freeze-Dried Formulations Containing Sugars and Polyol: II. BSA Reconstitution and Aggregation. <i>AAPS PharmSciTech</i> , 2018, 19, 2934-2947.	3.3	8
8	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. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 224-235.	4.3	8
9	Solubility and dissolution rate enhancement of ibuprofen by co-milling with polymeric excipients. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 395-403.	4.0	35
10	Process Understanding in Freeze-Drying Cycle Development: Applications for Through-Vial Impedance Spectroscopy (TVIS) in Mini-pilot Studies. <i>Journal of Pharmaceutical Innovation</i> , 2017, 12, 26-40.	2.4	11
11	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. <i>Journal of Pharmaceutical Innovation</i> , 2017, 12, 296-308.	2.4	4
12	Quantification of residual crystallinity in ball milled commercially sourced lactose monohydrate by thermo-analytical techniques and terahertz spectroscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 92, 180-191.	4.3	24
13	Quantification of residual crystallinity of ball-milled, commercially available, anhydrous β -lactose by differential scanning calorimetry and terahertz spectroscopy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 327-333.	3.6	14
14	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. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1799-1810.	3.3	13
15	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. <i>AAPS PharmSciTech</i> , 2014, 15, 261-269.	3.3	5
16	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. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 598-605.	4.3	13
17	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. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 1130-1140.	4.3	9
18	Application of the generalized mean value function to the statistical detection of water in decane by near-infrared spectroscopy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 352, 379-396.	2.6	14

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19	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