

Benoit Haut

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

812
citations

430874

18
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive analysis of intermittent drying. A theoretical approach. Food and Bioprocess Technology, 2022, 131, 86-101.	3.6	3
2	New insights into the mechanisms controlling the bronchial mucus balance. PLoS ONE, 2018, 13, e0199319.	2.5	32
3	Production of an alternative fuel by the co-pyrolysis of landfill recovered plastic wastes and used lubrication oils. Waste Management, 2017, 60, 363-374.	7.4	47
4	Bubbly flow and gas-liquid mass transfer in square and circular microchannels for stress-free and rigid interfaces: CFD analysis. Microfluidics and Nanofluidics, 2015, 19, 523-545.	2.2	13
5	A comprehensive analysis of the evaporation of a liquid spherical drop. Journal of Colloid and Interface Science, 2015, 438, 306-317.	9.4	52
6	Conical spouted bed drying of Baker's yeast: Experimentation and multi-modeling. Food Research International, 2014, 62, 137-150.	6.2	26
7	Nonmonotonic Rayleigh-Taylor Instabilities Driven by Gas-Liquid CO ₂ Chemisorption. Journal of Physical Chemistry B, 2014, 118, 11323-11329.	2.6	45
8	Impact of limited drying on Momordica cochinchinensis Spreng. aril carotenoids content and antioxidant activity. Journal of Food Engineering, 2013, 118, 358-364.	5.2	28
9	Historical and Technical Notes on Aqueducts from Prehistoric to Medieval Times. Water (Switzerland), 2013, 5, 1996-2025.	2.7	44
10	Disorder-induced hysteresis and nonlocality of contact line motion in chemically heterogeneous microchannels. Physics of Fluids, 2012, 24, .	4.0	29
11	Solid-liquid phase diagrams for the determination of the solid state nature of both polymorphs of (RS)-2-(2-oxo-pyrrolidin-1-yl)-butyramide. International Journal of Pharmaceutics, 2012, 437, 156-161.	5.2	8
12	Ozone inactivation of resistant microorganisms: Laboratory analysis and evaluation of the efficiency of plants. Water Research, 2012, 46, 5893-5903.	11.3	11
13	Use of <i>in situ</i> Raman, FBRM, and ATR-FTIR Probes for the Understanding of the Solvent-Mediated Polymorphic Transformation of <i>l</i> -Etiacetam in Methanol. Organic Process Research and Development, 2012, 16, 49-56.	2.7	26
14	Detection of the <i>l</i> -Etiacetam solvent-mediated polymorphic transformation through the online monitoring of the suspension apparent viscosity. Journal of Crystal Growth, 2012, 342, 57-64.	1.5	15
15	A new approach for the estimation of the melting enthalpy of metastable crystalline compounds using differential scanning calorimetry. Journal of Thermal Analysis and Calorimetry, 2012, 107, 777-788.	3.6	7
16	Experimental study of gas-liquid mass transfer coupled with chemical reactions by digital holographic interferometry. Chemical Engineering Science, 2011, 66, 3400-3412.	3.8	38
17	Development of a tool, using CFD, for the assessment of the disinfection process by ozonation in industrial scale drinking water treatment plants. Chemical Engineering Science, 2011, 66, 3185-3194.	3.8	21
18	Towards an accurate and precise determination of the solid-solid transition temperature of enantiotropic systems. Journal of Chemical Thermodynamics, 2011, 43, 677-682.	2.0	15

#	ARTICLE	IF	CITATIONS
19	Implementation of a rational drying process for fish conservation. Food Security, 2010, 2, 71-80.	5.3	7
20	Modeling temperature in chocolate mass to predict tempering quality. European Journal of Lipid Science and Technology, 2009, 111, 273-279.	1.5	1
21	Construction of a solar drying unit suitable for conservation of food and enhancement of food security in West Africa. Food Security, 2009, 1, 197-205.	5.3	10
22	A new modeling approach for the prediction of yeast drying rates in fluidized beds. Journal of Food Engineering, 2008, 84, 335-347.	5.2	30
23	Modelling of flocculation using a population balance equation. Chemical Engineering and Processing: Process Intensification, 2007, 46, 1264-1273.	3.6	18
24	Surface-tension-driven instabilities of a pure liquid layer evaporating into an inert gas. Journal of Colloid and Interface Science, 2005, 285, 296-305.	9.4	96
25	Investigation of crystallization kinetics of sodium bicarbonate in a continuous stirred tank crystallizer. Journal of Crystal Growth, 2005, 282, 220-227.	1.5	9
26	Mathematical modeling of gas-liquid mass transfer rate in bubble columns operated in the heterogeneous regime. Chemical Engineering Science, 2005, 60, 5937-5944.	3.8	23
27	Production of sodium bicarbonate in industrial bubble columns. Chemical Engineering Science, 2004, 59, 5687-5694.	3.8	20
28	Hydrodynamics and mass transfer in a Couette-Taylor bioreactor for the culture of animal cells. Chemical Engineering Science, 2003, 58, 777-784.	3.8	98
29	Interfacial turbulence in evaporating liquids: Theory and preliminary results of the ITEL-master 9 sounding rocket experiment. Advances in Space Research, 2003, 32, 119-127.	2.6	39