

Benjamin J Glasser

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3746254/publications.pdf>

Version: 2024-02-01

45
papers

1,319
citations

393982

19
h-index

344852

36
g-index

46
all docs

46
docs citations

46
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of liquid addition on the bulk and flow properties of cohesive powders. <i>Particulate Science and Technology</i> , 2022, 40, 141-150.	1.1	2
2	Scale up of heat transfer for dry granular material in a cylindrical bladed mixer. <i>Powder Technology</i> , 2021, 385, 336-347.	2.1	6
3	Development of a Controlled Continuous Low-Dose Feeding Process. <i>AAPS PharmSciTech</i> , 2021, 22, 247.	1.5	2
4	Continuous fluidized bed drying: Residence time distribution characterization and effluent moisture content prediction. <i>AIChE Journal</i> , 2020, 66, e16902.	1.8	13
5	Heat transfer of dry granular materials in a bladed mixer: Effect of thermal properties and agitation rate. <i>AIChE Journal</i> , 2020, 66, e16861.	1.8	14
6	Drying of supported catalysts for high metal concentrations: A reduced parameter model. <i>Chemical Engineering Science</i> , 2019, 206, 361-374.	1.9	5
7	Manufacturing of Pharmaceuticals by Impregnation of an Active Pharmaceutical Ingredient onto a Mesoporous Carrier: Impact of Solvent and Loading. <i>Journal of Pharmaceutical Innovation</i> , 2019, 14, 194-205.	1.1	3
8	Flow of granular materials in a bladed mixer: Effect of particle properties and process parameters on impeller torque and power consumption. <i>Advanced Powder Technology</i> , 2018, 29, 2733-2752.	2.0	24
9	Fluidized bed drying of a pharmaceutical powder: A parametric investigation of drying of dibasic calcium phosphate. <i>Drying Technology</i> , 2017, 35, 1602-1618.	1.7	14
10	Improving dissolution kinetics of pharmaceuticals by fluidized bed impregnation of active pharmaceutical ingredients. <i>AIChE Journal</i> , 2016, 62, 4201-4214.	1.8	10
11	The effect of the number of impeller blades on granular flow in a bladed mixer. <i>Powder Technology</i> , 2016, 302, 333-349.	2.1	62
12	A novel consolidation method to measure powder flow properties using a small amount of material. <i>AIChE Journal</i> , 2016, 62, 4193-4200.	1.8	1
13	Prediction of conductive heating time scales of particles in a rotary drum. <i>Chemical Engineering Science</i> , 2016, 152, 45-54.	1.9	44
14	Measurement of the axial dispersion coefficient of powders in a rotating cylinder: dependence on bulk flow properties. <i>Powder Technology</i> , 2016, 292, 298-306.	2.1	17
15	Effect of liquid addition on the bulk and flow properties of fine and coarse glass beads. <i>AIChE Journal</i> , 2016, 62, 648-658.	1.8	8
16	Drying of Ni/Alumina Catalysts: Control of the Metal Distribution Using Surfactants and the Melt Infiltration Method. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 5792-5800.	1.8	15
17	Measurement of residence time distribution in a rotary calciner. <i>AIChE Journal</i> , 2013, 59, 4068-4076.	1.8	31
18	Liquid Fuels from Alternative Carbon Sources Minimizing Carbon Dioxide Emissions. <i>AIChE Journal</i> , 2013, 59, 2062-2078.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Effect of particle size distribution on segregation in vibrated systems. Powder Technology, 2013, 237, 543-553.	2.1	75
20	Formulation and manufacture of pharmaceuticals by fluidized-bed impregnation of active pharmaceutical ingredients onto porous carriers. AICHE Journal, 2013, 59, 4538-4552.	1.8	20
21	Drying of supported catalysts for low melting point precursors: Impact of metal loading and drying methods on the metal distribution. Chemical Engineering Science, 2012, 79, 187-199.	1.9	27
22	Using the attainable region analysis to determine the effect of process parameters on breakage in a ball mill. AICHE Journal, 2012, 58, 2665-2673.	1.8	10
23	Wet granular flows in a bladed mixer: Experiments and simulations of monodisperse spheres. AICHE Journal, 2012, 58, 3354-3369.	1.8	52
24	Polydisperse granular flows in a bladed mixer: Experiments and simulations of cohesionless spheres. Chemical Engineering Science, 2011, 66, 1811-1824.	1.9	93
25	The effect of mixer properties and fill level on granular flow in a bladed mixer. AICHE Journal, 2010, 56, 336-353.	1.8	41
26	Granular flow and dielectrophoresis: The effect of electrostatic forces on adhesion and flow of dielectric granular materials. Powder Technology, 2010, 199, 180-188.	2.1	27
27	Shape-mediated ordering in granular blends. Physical Review E, 2010, 81, 052301.	0.8	8
28	Drying of Supported Catalysts: A Comparison of Model Predictions and Experimental Measurements of Metal Profiles. Industrial & Engineering Chemistry Research, 2010, 49, 2649-2657.	1.8	22
29	Discrete element simulation of free flowing grains in a four-bladed mixer. AICHE Journal, 2009, 55, 2035-2048.	1.8	135
30	Systems approach to reducing energy usage and carbon dioxide emissions. AICHE Journal, 2009, 55, 2202-2207.	1.8	6
31	Electrostatic charging during the flow of grains from a cylinder. Powder Technology, 2009, 195, 158-165.	2.1	14
32	A parametric investigation of impregnation and drying of supported catalysts. Chemical Engineering Science, 2008, 63, 4517-4530.	1.9	68
33	Granular and gas-particle flows in a channel with a bidisperse particle mixture. Chemical Engineering Science, 2008, 63, 5696-5713.	1.9	4
34	Instability of bounded gas-particle fluidized beds. AICHE Journal, 2007, 53, 811-824.	1.8	4
35	Cellular automata model of gravity-driven granular flows. Granular Matter, 2007, 9, 219-229.	1.1	15
36	Granular flow transitions on sinusoidal surfaces. Journal of Fluid Mechanics, 2006, 556, 253.	1.4	6

#	ARTICLE	IF	CITATIONS
37	A parametric investigation of gas-particle flow in a vertical duct. AICHE Journal, 2006, 52, 940-956.	1.8	12
38	Characterization of granular flow of wet solids in a bladed mixer. AICHE Journal, 2006, 52, 2757-2766.	1.8	54
39	Analysis of heterogeneously catalyzed reactions close to bubbles. AICHE Journal, 2005, 51, 1482-1496.	1.8	11
40	Density waves and coherent structures in granular Couette flows. Physics of Fluids, 2004, 16, 509-529.	1.6	33
41	Density waves in gravity-driven granular flow through a channel. Physics of Fluids, 2002, 14, 3309-3326.	1.6	23
42	Connections between density waves in fluidized beds and compressible flows. AICHE Journal, 2002, 48, 1645-1664.	1.8	9
43	Effect of Resin Characteristics on Fluidized Bed Adsorption of Proteins. Biotechnology Progress, 1999, 15, 932-940.	1.3	10
44	Batch Uptake of Lysozyme: Effect of Solution Viscosity and Mass Transfer on Adsorption. Biotechnology Progress, 1998, 14, 913-921.	1.3	43
45	Infrared Temperature Measurements and DEM Simulations of Heat Transfer in a Bladed Mixer. AICHE Journal, 0, , .	1.8	4