Evangelos Tsotsas

List of Publications by Year
in descending order

335 papers	7,158 citations	76196 40 h-index	133063 59 g-index
424 all docs	424 docs citations	424 times ranked	3808 citing authors

#	Article	IF	Citations
1	Pore-scale physics of drying porous media revealed by Lattice Boltzmann simulations. Drying Technology, 2022, 40, 1114-1129.	1.7	12
2	Study on film effects during isothermal drying of square capillary tube using Lattice Boltzmann method. Drying Technology, 2022, 40, 735-747.	1.7	3
3	Determination of 3D pore network structure of freeze-dried maltodextrin. Drying Technology, 2022, 40, 748-766.	1.7	5
4	Inâ€depth investigation of incremental layer buildâ€up from dried deposited droplets. AICHE Journal, 2022, 68, e17445.	1.8	2
5	Influence of polydispersity and breakage on stochastic simulations of spray fluidized bed agglomeration. Chemical Engineering Science, 2022, 247, 117022.	1.9	10
6	CFD simulation of agglomeration and coalescence in spray dryer. Chemical Engineering Science, 2022, 247, 117064.	1.9	16
7	Monte Carlo modeling of spray agglomeration in a cylindrical fluidized bed: From batch-wise to continuous processes. Powder Technology, 2022, 396, 113-126.	2.1	7
8	Intensification of spray drying granulation process by gas absorption accompanied by chemical dissociation reactions. Chemical Engineering Journal, 2022, 433, 133566.	6.6	3
9	Morphological descriptors of agglomerates produced in continuously operated spray fluidized beds. Powder Technology, 2022, 397, 117111.	2.1	3
10	Proposal for extraction of pore networks with pores of high aspect ratios. Physical Review Fluids, 2022, 7, .	1.0	3
11	Droplet drying and whey protein denaturation in pulsed gas flow - A modeling study. Journal of Food Engineering, 2022, 321, 110959.	2.7	3
12	Coating layer formation from deposited droplets: A comparison of nanofluid, microfluid and solution. Powder Technology, 2022, 399, 117202.	2.1	7
13	Prediction of particle mixing time in a rotary drum by 2D DEM simulations and cross-correlation. Advanced Powder Technology, 2022, 33, 103512.	2.0	6
14	Fractal analysis of aggregates: Correlation between the 2D and 3D box-counting fractal dimension and power law fractal dimension. Chaos, Solitons and Fractals, 2022, 160, 112246.	2.5	18
15	Two-equation continuum model of drying appraised by comparison with pore network simulations. International Journal of Heat and Mass Transfer, 2022, 194, 123073.	2.5	2
16	Effective thermal conductivity of packed beds made of cubical particles. International Journal of Heat and Mass Transfer, 2022, 194, 122994.	2.5	10
17	Pore network modeling of phase distribution and capillary force evolution during slow drying of particle aggregates. Powder Technology, 2022, 407, 117627.	2.1	3
18	Superheated Steam Drying of Single Wood Particles: Modeling and Comparative Study with Hot Air Drying. Chemical Engineering and Technology, 2021, 44, 114-123.	0.9	8

#	Article	IF	Citations
19	From micro-scale to macro-scale modeling of solute transport in drying capillary porous media. International Journal of Heat and Mass Transfer, 2021, 165, 120722.	2.5	15
20	Influence of the number of flights on the dilute phase ratio in flighted rotating drums by PTV measurements and DEM simulations. Particuology, 2021, 56, 171-182.	2.0	12
21	Multi-stage and multi-compartment model for dynamic simulation of horizontal fluidized bed granulator. Drying Technology, 2021, 39, 203-218.	1.7	0
22	Insights into evaporation from the surface of capillary porous media gained by discrete pore network simulations. International Journal of Heat and Mass Transfer, 2021, 168, 120877.	2.5	7
23	Lattice Boltzmann method to study the water-oxygen distributions in porous transport layer (PTL) of polymer electrolyte membrane (PEM) electrolyser. International Journal of Hydrogen Energy, 2021, 46, 22747-22762.	3.8	25
24	Drying of capillary porous media simulated by coupling of continuum-scale and micro-scale models. International Journal of Multiphase Flow, 2021, 140, 103654.	1.6	6
25	In silico investigation of the evaporation flux distribution along sessile droplet surfaces during convective drying. Chemical Engineering Science, 2021, 238, 116590.	1.9	8
26	Kernel identification in continuous fluidized bed spray agglomeration from steady state data. Advanced Powder Technology, 2021, 32, 2517-2529.	2.0	11
27	Porosity and pore size distribution of beds composed by sugarcane bagasse and wheat bran for solid-state cultivation. Powder Technology, 2021, 386, 166-175.	2.1	4
28	Three-dimensional visualization and modeling of capillary liquid rings observed during drying of dense particle packings. International Journal of Heat and Mass Transfer, 2021, 177, 121505.	2.5	15
29	Crust breakage in production of fine particles using pulse combustion drying: Experimental and numerical investigations. Powder Technology, 2021, 393, 77-98.	2.1	6
30	A Fast and Improved Tunable Aggregation Model for Stochastic Simulation of Spray Fluidized Bed Agglomeration. Energies, 2021, 14, 7221.	1.6	9
31	Design study of printer nozzle spray dryer by computational fluid dynamics modeling. Drying Technology, 2020, 38, 211-223.	1.7	9
32	Estimation of the local sublimation front velocities from neutron radiography and tomography of particulate matter. Chemical Engineering Science, 2020, 211, 115268.	1.9	10
33	PTV experiments and DEM simulations of the coefficient of restitution for irregular particles impacting on horizontal substrates. Powder Technology, 2020, 360, 352-365.	2.1	24
34	Prediction of particle size and layer-thickness distributions in a continuous horizontal fluidized-bed coating process. Particuology, 2020, 50, 1-12.	2.0	19
35	Experimental benchmarking of diffusion and reduced models for convective drying of single rice grains. Drying Technology, 2020, 38, 200-210.	1.7	5
36	Modeling of inter- and intra-particle coating uniformity in a Wurster fluidized bed by a coupled CFD-DEM-Monte Carlo approach. Chemical Engineering Science, 2020, 211, 115289.	1.9	51

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37	Influence of process variables on spray agglomeration process in a continuously operated horizontal fluidized bed. Powder Technology, 2020, 363, 195-206.	2.1	13
38	Development of an experimental setup for in situ visualization of lyophilization using neutron radiography and computed tomography. Review of Scientific Instruments, 2020, 91, 014102.	0.6	9
39	PTV measurement and DEM simulation of the particle motion in a flighted rotating drum. Powder Technology, 2020, 363, 23-37.	2.1	30
40	Mass transport in a partially filled horizontal drum: Modelling and experiments. Chemical Engineering Science, 2020, 214, 115448.	1.9	5
41	Computational Optimization of Porous Structures for Electrochemical Processes. Processes, 2020, 8, 1205.	1.3	7
42	Non-local equilibrium continuum modeling of partially saturated drying porous media: Comparison with pore network simulations. Chemical Engineering Science, 2020, 228, 115957.	1.9	14
43	Influence of operating parameters on process behavior and product quality in continuous spray fluidized bed agglomeration. Powder Technology, 2020, 375, 210-220.	2.1	17
44	Freeze-Drying with Structured Sublimation Frontsâ€”Visualization with Neutron Imaging. Processes, 2020, 8, 1091.	1.3	12
45	Novel Technique for Coating of Fine Particles Using Fluidized Bed and Aerosol Atomizer. Processes, 2020, 8, 1525.	1.3	22
46	Influence of thermal gradients on the invasion patterns during drying of porous media: A lattice Boltzmann method. Physics of Fluids, 2020, 32, .	1.6	23
47	The Brooks and Corey Capillary Pressure Model Revisited from Pore Network Simulations of Capillarity-Controlled Invasion Percolation Process. Processes, 2020, 8, 1318.	1.3	11
48	Ultrathin coating of particles in fluidized bed using submicron droplet aerosol. Particuology, 2020, 53, 23-29.	2.0	10
49	Lattice Boltzmann simulations for micro-macro interactions during isothermal drying of bundle of capillaries. Chemical Engineering Science, 2020, 220, 115634.	1.9	18
50	Transport parameters of macroscopic continuum model determined from discrete pore network simulations of drying porous media: Throat-node vs. throat-pore configurations. Chemical Engineering Science, 2020, 223, 115723.	1.9	20
51	A tunable aggregation model incorporated in Monte Carlo simulations of spray fluidized bed agglomeration. Powder Technology, 2020, 364, 417-428.	2.1	21
52	Characterization of Lyophilization of Frozen Bulky Solids. Chemical Engineering and Technology, 2020, 43, 789-796.	0.9	4
53	Estimation of the dominant size enlargement mechanism in spray fluidized bed processes. AICHE Journal, 2020, 66, e16920.	1.8	20
54	Steady-State Water Drainage by Oxygen in Anodic Porous Transport Layer of Electrolyzers: A 2D Pore Network Study. Processes, 2020, 8, 362.	1.3	20

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55	Pore network model of evaporation in porous media with continuous and discontinuous corner films. Physical Review Fluids, 2020, 5, .	1.0	24
56	Capillary instability induced gas-liquid displacement in porous media: Experimental observation and pore network model. Physical Review Fluids, 2020, 5, .	1.0	4
57	Dynamics of Spray Granulation inÂContinuously Operated Horizontal Fluidized Beds. , 2020, , 67-107.		0
58	A model of pulse combustion drying and breakup of colloidal suspension droplets. Powder Technology, 2019, 355, 755-769.	2.1	7
59	Determination of the moisture transport coefficient from pore network simulations of spontaneous imbibition in capillary porous media. Chemical Engineering Science, 2019, 207, 600-610.	1.9	10
60	Stochastic model to simulate spray fluidized bed agglomeration: a morphological approach. Powder Technology, 2019, 355, 449-460.	2.1	16
61	Pore Network Simulation of Gas-Liquid Distribution in Porous Transport Layers. Processes, 2019, 7, 558.	1.3	13
62	Reaction engineering approach for modeling single wood particle drying at elevated air temperature. Chemical Engineering Science, 2019, 199, 602-612.	1.9	16
63	Particle dynamics in a multi-staged fluidized bed: Particle transport behavior on micro-scale by discrete particle modelling. Advanced Powder Technology, 2019, 30, 2014-2031.	2.0	19
64	Numerical study of the hydrodynamics of fluidized beds operated under sub-atmospheric pressure. Chemical Engineering Journal, 2019, 372, 1134-1153.	6.6	11
65	A Framework and Numerical Solution of the Drying Process in Porous Media by Using a Continuous Model. International Journal of Chemical Engineering, 2019, 2019, 1-16.	1.4	8
66	Particle-particle heat transfer in thermal DEM: Three competing models and a new equation. International Journal of Heat and Mass Transfer, 2019, 132, 939-943.	2.5	33
67	Inductive heating of fluidized beds: Mobile versus stationary heat exchange elements. Drying Technology, 2019, 37, 652-663.	1.7	2
68	Impact of operating conditions on a single droplet and spray drying of hydroxypropylated pea starch: Process performance and final powder properties. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2268.	0.8	19
69	Continuous modeling of superheated steam drying of single rice grains. Drying Technology, 2019, 37, 1583-1596.	1.7	17
70	CFD simulation of particle residence time distribution in industrial scale horizontal fluidized bed. Powder Technology, 2019, 345, 129-139.	2.1	29
71	Determination of fractal dimension and prefactor of agglomerates with irregular structure. Powder Technology, 2019, 343, 765-774.	2.1	23
72	Influence of separation properties and processing strategies on product characteristics in continuous fluidized bed spray granulation. Powder Technology, 2019, 342, 572-584.	2.1	12

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73	Microwave- and ultrasound-assisted convective drying of raspberries: Drying kinetics and microstructural changes. Drying Technology, 2019, 37, 1-12.	1.7	84
74	M5 WÃrmeÃ¼bergang in Wirbelschichten. Springer Reference Technik, 2019, , 1719-1730.	0.0	0
75	M11 WÃrmeleitfÃhigkeit von SchÃ¼ttschichten. Springer Reference Technik, 2019, , 1831-1843.	0.0	0
76	M7 WÃrmeleitung und Dispersion in durchstrÃ¶mten SchÃ¼ttungen. Springer Reference Technik, 2019, , 1753-1772.	0.0	1
77	M6 WÃrmeÃ¼bergang von einer HeizflÃche an ruhende oder mechanisch durchmischte SchÃ¼ttungen. Springer Reference Technik, 2019, , 1731-1751.	0.0	0
78	Color-PTV measurement and CFD-DEM simulation of the dynamics of poly-disperse particle systems in a pseudo-2D fluidized bed. Chemical Engineering Science, 2018, 179, 115-132.	1.9	41
79	Inductive heating of fluidized beds: Spray coating process. Powder Technology, 2018, 328, 26-37.	2.1	9
80	Experimental investigation of the morphology of salt deposits from drying sessile droplets by whiteâ€light interferometry. AICHE Journal, 2018, 64, 2002-2016.	1.8	9
81	Continuum-scale modeling of superheated steam drying of cellular plant porous media. International Journal of Heat and Mass Transfer, 2018, 124, 1033-1044.	2.5	20
82	Superheated steam drying of single wood particles: A characteristic drying curve model deduced from continuum model simulations and assessed by experiments. Drying Technology, 2018, 36, 1866-1881.	1.7	17
83	Spatial morphology of maltodextrin agglomerates from X-ray microtomographic data: Real structure evaluation vs. spherical primary particle model. Powder Technology, 2018, 331, 204-217.	2.1	20
84	CFDâ€“DEM study of residence time, droplet deposition, and collision velocity for a binary particle mixture in a Wurster fluidized bed coater. Drying Technology, 2018, 36, 638-650.	1.7	32
85	Drying of thin porous disks from pore network simulations. Drying Technology, 2018, 36, 651-663.	1.7	4
86	Coating of finely dispersed particles by two-fluid nozzle. Particuology, 2018, 38, 80-93.	2.0	6
87	A pore network study of evaporation from the surface of a drying nonâ€hygroscopic porous medium. AICHE Journal, 2018, 64, 1435-1447.	1.8	19
88	Parameter Identification For Continuous Fluidized Bed Spray Agglomeration. Processes, 2018, 6, 246.	1.3	14
89	WÃrmeleitfÃhigkeit von SchÃ¼ttschichten. Springer Reference Technik, 2018, , 1-13.	0.0	1
90	Increasing self-sufficiency in a micro grid: integrated vs. non-integrated energy system approach. , 2018, , .		3

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91	WÃrmeÃ¼bergang in Wirbelschichten. Springer Reference Technik, 2018, , 1-12.	0.0	0
92	WÃrmeÃ¼bergang von einer HeizflÃche an ruhende oder mechanisch durchmischte SchÃ¼ttungen. Springer Reference Technik, 2018, , 1-21.	0.0	0
93	WÃrmeleitung und Dispersion in durchstrÃ¶mten SchÃ¼ttungen. Springer Reference Technik, 2018, , 1-20.	0.0	4
94	Influence of process conditions on the product properties in a continuous fluidized bed spray granulation process. Chemical Engineering Research and Design, 2018, 139, 104-115.	2.7	34
95	Experimental study of the particle motion in flighted rotating drums by means of Magnetic Particle Tracking. Powder Technology, 2018, 339, 817-826.	2.1	12
96	Mass and Heat Transport Models for Analysis of the Drying Process in Porous Media: A Review and Numerical Implementation. International Journal of Chemical Engineering, 2018, 2018, 1-13.	1.4	38
97	Monte Carlo modeling of binderâ€Less spray agglomeration in fluidized beds. AICHE Journal, 2018, 64, 3582-3594.	1.8	27
98	A comparison between the use of continuous and pore network approach in the simulation of the drying process of porous media with different pore size distributions. Vietnam Journal of Chemistry, 2018, 56, 564-569.	0.7	1
99	Temperature gradient induced double stabilization of the evaporation front within a drying porous medium. Physical Review Fluids, 2018, 3, .	1.0	16
100	Influence of Thermal Conditions on Particle Properties in Fluidized Bed Layering Granulation. Processes, 2018, 6, 235.	1.3	15
101	Model parameters for single-droplet drying of skim milk and its constituents at moderate and elevated temperatures. Drying Technology, 2017, 35, 444-464.	1.7	29
102	Experimental investigation and correlation of the Bodenstein number in horizontal fluidized beds with internal baffles. Powder Technology, 2017, 308, 378-387.	2.1	22
103	Investigation of heat transfer in partially filled horizontal drums. Chemical Engineering Journal, 2017, 316, 988-1003.	6.6	10
104	Determination of particle exchange rates at over-flow weirs in horizontal fluidised beds by particle tracking velocimetry. Particuology, 2017, 32, 1-9.	2.0	14
105	Experimental measurements of particle collision dynamics in a pseudo-2D gas-solid fluidized bed. Chemical Engineering Science, 2017, 167, 297-316.	1.9	28
106	Convective drying in thin hydrophobic porous media. International Journal of Heat and Mass Transfer, 2017, 112, 630-642.	2.5	23
107	Kinematics in a slowly drying porous medium: Reconciliation of pore network simulations and continuum modeling. Physics of Fluids, 2017, 29, 022102.	1.6	22
108	DEM-CFD investigation of particle residence time distribution in top-spray fluidised bed granulation. Chemical Engineering Science, 2017, 161, 187-197.	1.9	46

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109	Discrete pore network modeling of superheated steam drying. Drying Technology, 2017, 35, 1584-1601.	1.7	19
110	Predictive CFD modeling of whey protein denaturation in skim milk spray drying powder production. Advanced Powder Technology, 2017, 28, 3140-3147.	2.0	35
111	Shell porosity in spray fluidized bed coating with suspensions. Advanced Powder Technology, 2017, 28, 2921-2928.	2.0	12
112	Inline method of droplet and particle size distribution analysis in dilute disperse systems. Advanced Powder Technology, 2017, 28, 2820-2829.	2.0	7
113	Experimental investigation of the influence of drying conditions on process stability of continuous spray fluidized bed layering granulation with external product separation. Powder Technology, 2017, 320, 474-482.	2.1	14
114	Experimental study and modeling of particle drying in a continuously-operated horizontal fluidized bed. Particuology, 2017, 34, 134-146.	2.0	27
115	WÃrmeÃ¼bergangsuntersuchung in einer induktiv beheizten Wirbelschicht mit heterogener Schichtzusammensetzung. Chemie-Ingenieur-Technik, 2017, 89, 772-784.	0.4	1
116	Evaporation in Capillary Porous Media at the Perfect Pistonâ€Like Invasion Limit: Evidence of Nonlocal Equilibrium Effects. Water Resources Research, 2017, 53, 10433-10449.	1.7	23
117	Reduction of a model for single droplet drying and application to CFD of skim milk spray drying. Drying Technology, 2017, 35, 1571-1583.	1.7	39
118	A dynamic two-zone model of continuous fluidized bed layering granulation with internal product classification. Particuology, 2017, 31, 8-14.	2.0	19
119	Microencapsulation of walnut oil by spray drying: Effects of wall material and drying conditions on physicochemical properties of microcapsules. Innovative Food Science and Emerging Technologies, 2017, 39, 101-112.	2.7	169
120	Inductive heating of fluidized beds: Drying of particulate solids. Powder Technology, 2017, 306, 26-33.	2.1	16
121	Selected Peer-Reviewed Articles from the 1st International Conference on Chemical Process and Product Engineering 2016 (ICCPPE 2016), Semarang, Indonesia, 14â€“15 September, 2016. Advanced Science Letters, 2017, 23, 5587-5589.	0.2	0
122	Measurement and Modeling of Drying Kinetics of PVC Powder. Advanced Science Letters, 2017, 23, 5663-5665.	0.2	0
123	Bifurcation analysis of process stability of continuous fluidized bed agglomeration with external product classification. Computer Aided Chemical Engineering, 2016, , 1881-1886.	0.3	2
124	Agglomeration. , 2016, , 73-81.		2
125	Influence of mill characteristics on stability of continuous layering granulation with external product classification. Computer Aided Chemical Engineering, 2016, 38, 1275-1280.	0.3	6
126	Pore Network Simulations of Heat and Mass Transfer inside an Unsaturated Capillary Porous Wick in the Dry-out Regime. Transport in Porous Media, 2016, 114, 623-648.	1.2	14

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127	A volumeâ€consistent discrete formulation of aggregation population balance equations. Mathematical Methods in the Applied Sciences, 2016, 39, 2275-2286.	1.2	36
128	Influence of operation parameters on process stability in continuous fluidised bed layering with external product classification. Powder Technology, 2016, 300, 37-45.	2.1	21
129	Investigation of the residence time behavior of particulate products and correlation for the Bodenstein number in horizontal fluidized beds. Powder Technology, 2016, 301, 1067-1076.	2.1	22
130	Three dimensional characterization of morphology and internal structure of soft material agglomerates produced in spray fluidized bed by X-ray tomography. Powder Technology, 2016, 300, 46-60.	2.1	43
131	Model predictive control of continuous layering granulation in fluidised beds with internal product classification. Journal of Process Control, 2016, 45, 65-75.	1.7	16
132	Drying behavior and locking point of single droplets containing functional oil. Advanced Powder Technology, 2016, 27, 1750-1760.	2.0	26
133	Enhanced methods for experimental investigation of single droplet drying kinetics and application to lactose/water. Drying Technology, 2016, 34, 1185-1195.	1.7	32
134	Micro-model experiments and pore network simulations of liquid imbibition in porous media. Chemical Engineering Science, 2016, 150, 41-53.	1.9	43
135	Influence of pore structure and impregnationâ€“drying conditions on the solid distribution in porous support materials. Drying Technology, 2016, 34, 1964-1978.	1.7	32
136	An improved and efficient finite volume scheme for bivariate aggregation population balance equation. Journal of Computational and Applied Mathematics, 2016, 308, 83-97.	1.1	25
137	Monte Carlo modeling of fluidized bed coating and layering processes. AICHE Journal, 2016, 62, 2670-2680.	1.8	15
138	Reconsideration of the hydrodynamic behavior of fluidized beds operated under reduced pressure. Powder Technology, 2016, 287, 169-176.	2.1	20
139	Comparative analysis of the coating thickness on single particles using X-ray micro-computed tomography and confocal laser-scanning microscopy. Powder Technology, 2016, 287, 330-340.	2.1	28
140	Reduction of energy consumption in batch fluidized bed layering granulation processes by temporal separation. Chemical Engineering Research and Design, 2016, 110, 2-11.	2.7	6
141	Finite volume approximations of breakage population balance equation. Chemical Engineering Research and Design, 2016, 110, 114-122.	2.7	22
142	Capillary valve effect during slow drying of porous media. International Journal of Heat and Mass Transfer, 2016, 94, 81-86.	2.5	30
143	Two-phase flow with capillary valve effect in porous media. Chemical Engineering Science, 2016, 139, 241-248.	1.9	54
144	Two-phase and two-dimensional model describing heat and water transfer during solid-state fermentation within a packed-bed bioreactor. Chemical Engineering Journal, 2016, 287, 103-116.	6.6	48

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145	Interaction of droplets with porous structures: Pore network simulation of wetting and drying. Drying Technology, 2016, 34, 1129-1140.	1.7	13
146	Experimental and numerical study of the airflow distribution in mixed-flow grain dryers. Drying Technology, 2016, 34, 595-607.	1.7	17
147	An accurate and efficient discrete formulation of aggregation population balance equation. Kinetic and Related Models, 2016, 9, 373-391.	0.5	30
148	Experimental Investigation of Continuous Fluidized Bed Spray Granulation with Internal Classification. Procedia Engineering, 2015, 102, 565-574.	1.2	3
149	A new framework for population balance modeling of spray fluidized bed agglomeration. Particuology, 2015, 19, 141-154.	2.0	24
150	Monitoring of initial porosity and new pores formation during drying: A scientific debate and a technical challenge. Trends in Food Science and Technology, 2015, 45, 179-186.	7.8	13
151	Experimental investigation of process stability of continuous spray fluidized bed layering with internal separation. Chemical Engineering Science, 2015, 126, 55-66.	1.9	24
152	Drying Kinetics and Microstructural and SensoryProperties of Black Chokeberry (Aronia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (m	2.6	62
153	Modeling aggregation kinetics of fluidized bed spray agglomeration for porous particles. Powder Technology, 2015, 270, 584-591.	2.1	17
154	Model-based control of particle properties in fluidised bed spray granulation. Powder Technology, 2015, 270, 575-583.	2.1	30
155	Estimation of particle dynamics in 2-D fluidized beds using particle tracking velocimetry. Particuology, 2015, 22, 39-51.	2.0	37
156	Experimental investigation of process stability of continuous spray fluidized bed layering with external product separation. Chemical Engineering Science, 2015, 137, 466-475.	1.9	25
157	Influence of Granule Porosity during Fluidized Bed Spray Granulation. Procedia Engineering, 2015, 102, 458-467.	1.2	16
158	Estimation of Particle Rotation in Fluidized Beds by Means of PTV. Procedia Engineering, 2015, 102, 841-849.	1.2	9
159	Stochastic Modelling of Particle Coating in Fluidized Beds. Procedia Engineering, 2015, 102, 996-1005.	1.2	5
160	Micro-Macro Transition of Population Balances in Fluidized Bed Granulation. Procedia Engineering, 2015, 102, 1399-1407.	1.2	6
161	Dynamic Multi-Zone Population Balance Model of Particle Formulation in Fluidized Beds. Procedia Engineering, 2015, 102, 1456-1465.	1.2	9
162	Modeling of layering growth processes using a Monte Carlo approach. IFAC-PapersOnLine, 2015, 48, 99-104.	0.5	5

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163	Influence of zone formation on stability of continuous fluidized bed layering granulation with external product classification. Particuology, 2015, 23, 1-7.	2.0	23
164	Analysis of Residence Time Distribution Data in Horizontal Fluidized Beds. Procedia Engineering, 2015, 102, 790-798.	1.2	18
165	Lotion Distribution in Wet Wipes Investigated by Pore Network Simulation and X-ray Micro Tomography. Transport in Porous Media, 2015, 107, 449-468.	1.2	12
166	Multiscale Approaches to Processes That Combine Drying with Particle Formation. Drying Technology, 2015, 33, 1859-1871.	1.7	24
167	Model-based Control of Enzyme Yield in Solid-state Fermentation. Procedia Engineering, 2015, 102, 362-371.	1.2	26
168	A comparative study on optical techniques for the estimation of granular flow velocities. Chemical Engineering Science, 2015, 131, 63-75.	1.9	38
169	Development and Convergence Analysis of a Finite Volume Scheme for Solving Breakage Equation. SIAM Journal on Numerical Analysis, 2015, 53, 1672-1689.	1.1	30
170	Drying with Formation of Capillary Rings in a Model Porous Medium. Transport in Porous Media, 2015, 110, 197-223.	1.2	50
171	Investigation of coating layer morphology by micro-computed X-ray tomography. Powder Technology, 2015, 273, 165-175.	2.1	51
172	Prediction of Shell Porosities in Continuous Fluidized Bed Spray Layering. Drying Technology, 2015, 33, 1662-1670.	1.7	12
173	Inductive heating of fluidized beds: Influence on fluidization behavior. Powder Technology, 2015, 286, 90-97.	2.1	15
174	Influence of drying conditions on layer porosity in fluidized bed spray granulation. Powder Technology, 2015, 272, 120-131.	2.1	62
175	Liquid Distribution and Structural Changes During Convective Drying of Gels. , 2015, , 93-112.		0
176	Front Matter, Volume 3: Product Quality and Formulation. , 2014, , I-XXXV.		1
177	Superheated Steam Drying of Foods and Biomaterials. , 2014, , 57-84.		11
178	Index, Volume 3: Product Quality and Formulation. , 2014, , 379-394.		0
179	Experimentelle Analyse der Mikrostrukturbildung am Einzelpartikel und Mikrotropfen. Chemie-Ingenieur-Technik, 2014, 86, 1552-1552.	0.4	0
180	Front Matter, Volume 2: Experimental Techniques. , 2014, , I-XXXVII.		0

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181	Front Matter, Volume 1: Computational Tools at Different Scales. , 2014, , I-XXXVII.		0
182	Front Matter, Volume 4: Energy Savings. , 2014, , I-XXXIII.		0
183	Index, Volume 4: Energy Savings. , 2014, , 331-342.		0
184	Modeling of aggregation kernel using Monte Carlo simulations of spray fluidized bed agglomeration. AICHE Journal, 2014, 60, 855-868.	1.8	23
185	Modellbasierte Regelung der PartikelgrÃ¶ÃŸenverteilung in der kontinuierlichen Wirbelschicht-SprÃ¼hgranulation. Chemie-Ingenieur-Technik, 2014, 86, 725-733.	0.4	0
186	Influence of process variables on internal particle structure in spray fluidized bed agglomeration. Powder Technology, 2014, 258, 165-173.	2.1	33
187	On two-compartment population balance modeling of spray fluidized bed agglomeration. Computers and Chemical Engineering, 2014, 61, 185-202.	2.0	36
188	Experimental spray zone characterization in top-spray fluidized bed granulation. Chemical Engineering Science, 2014, 116, 317-330.	1.9	31
189	Study of the morphology of solidified binder in spray fluidized bed agglomerates by X-ray tomography. Powder Technology, 2014, 264, 256-264.	2.1	13
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