

Mojtaba Ghadiri

List of Publications by Year in descending order

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263
papers

9,125
citations

34016

52
h-index

58464

82
g-index

278
all docs

278
docs citations

278
times ranked

5140
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the compaction of plastic particle packings. Computational Particle Mechanics, 2022, 9, 45-52.	1.5	6
2	Microstructure and impedance spectroscopy of high density holmium hafnate (Ho ₂ Hf ₂ O ₇) from nanoparticulate compacts. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 114989.	1.7	3
3	Granule attrition by coupled particle impact and shearing. Advanced Powder Technology, 2021, 32, 204-210.	2.0	3
4	Influence of holdup on gas and particle flow patterns in a spiral jet mill. Powder Technology, 2021, 377, 233-243.	2.1	12
5	Analysis of particle dynamics in a pin mill by Discrete Element Method. EPJ Web of Conferences, 2021, 249, 07010.	0.1	1
6	Effect of strain rate on powder flow behaviour using ball indentation method. Powder Technology, 2021, 380, 567-573.	2.1	3
7	Particle breakability assessment using an Aero S disperser. International Journal of Pharmaceutics, 2021, 597, 120365.	2.6	4
8	Computational analysis of triboelectrification due to aerodynamic powder dispersion. Powder Technology, 2021, 382, 491-504.	2.1	13
9	Numerical Simulation of Particle Dynamics in a Spiral Jet Mill via Coupled CFD-DEM. Pharmaceutics, 2021, 13, 937.	2.0	8
10	Rheology of a dense granular bed penetrated by a rotating impeller. Powder Technology, 2021, 386, 60-69.	2.1	4
11	Assessing powder flowability at low stresses using ball indentation method: Evaluation of constraint factor. Powder Technology, 2021, 387, 287-294.	2.1	1
12	Discrete element modelling of ribbon milling: A comparison of approaches. Powder Technology, 2021, 388, 63-69.	2.1	1
13	Effect of Mixer Type on Particle Coating by Magnesium Stearate for Friction and Adhesion Modification. Pharmaceutics, 2021, 13, 1211.	2.0	4
14	Analysis of contact force distribution in a moving granule bed subjected to shear deformation by a set of rollers. Advanced Powder Technology, 2021, 32, 3016-3022.	2.0	2
15	Influence of mechanical properties on milling of amorphous and crystalline silica-based solids. Powder Technology, 2021, 391, 239-252.	2.1	1
16	Stress and input energy analyses of shearing a particle bed under a centrifugal field. Powder Technology, 2021, 394, 575-583.	2.1	2
17	Effect of grinding nozzles pressure on particle and fluid flow patterns in a spiral jet mill. Powder Technology, 2021, 394, 439-447.	2.1	5
18	Analysis of hold-up and grinding pressure in a spiral jet mill using CFD-DEM. EPJ Web of Conferences, 2021, 249, 12004.	0.1	0

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19	Understanding stress-induced disorder and breakage in organic crystals: beyond crystal structure anisotropy. <i>Chemical Science</i> , 2021, 12, 14270-14280.	3.7	5
20	Effect of particle roughness on the bulk deformation using coupled boundary element and discrete element methods. <i>Computational Particle Mechanics</i> , 2020, 7, 603-613.	1.5	15
21	Cohesive Powder Flow: Trends and Challenges in Characterisation and Analysis. <i>KONA Powder and Particle Journal</i> , 2020, 37, 3-18.	0.9	38
22	Numerical simulation of particle flow and segregation during roller spreading process in additive manufacturing. <i>Powder Technology</i> , 2020, 364, 811-821.	2.1	59
23	Drop-interface electrocoalescence mode transition under a direct current electric field. <i>Chemical Engineering Science</i> , 2020, 213, 115360.	1.9	32
24	Impact breakage of acicular crystals. <i>Powder Technology</i> , 2020, 361, 651-662.	2.1	4
25	Prediction of flowability of cohesive powder mixtures at high strain rate conditions by discrete element method. <i>Powder Technology</i> , 2020, 372, 59-67.	2.1	8
26	Effect of gas-particle interaction on roller spreading process in additive manufacturing. <i>Powder Technology</i> , 2020, 372, 466-476.	2.1	25
27	Zonal modelling of a counter-current spray drying tower. <i>Chemical Engineering Research and Design</i> , 2020, 155, 180-199.	2.7	4
28	Influence of processing conditions on the ionic conductivity of holmium zirconate (Ho ₂ Zr ₂ O ₇). <i>Ceramics International</i> , 2020, 46, 11508-11514.	2.3	6
29	Deformation of 3D printed agglomerates: Multiscale experimental tests and DEM simulation. <i>Chemical Engineering Science</i> , 2020, 217, 115526.	1.9	28
30	Environmentally sustainable facile synthesis of nanocrystalline holmium hafnate (Ho ₂ Hf ₂ O ₇): Promising new oxide-ion conducting solid electrolyte. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	5
31	Analysis of screw feeding of faceted particles by discrete element method. <i>Powder Technology</i> , 2020, 367, 474-486.	2.1	14
32	A simple method for assessing powder spreadability for additive manufacturing. <i>Powder Technology</i> , 2020, 367, 671-679.	2.1	48
33	Effect of hydrolyzed polyacrylamide used in polymer flooding on droplet–interface electro-coalescence: Variation of critical electric field strength of partial coalescence. <i>Separation and Purification Technology</i> , 2019, 227, 115737.	3.9	19
34	Electrocoalescence of water droplets in sunflower oil using a novel electrode geometry. <i>Chemical Engineering Research and Design</i> , 2019, 152, 226-241.	2.7	19
35	Development of a methodology for predicting particle attrition in a cyclone by CFD-DEM. <i>Powder Technology</i> , 2019, 357, 21-32.	2.1	19
36	Structural study of holmium zirconate nanoparticles obtained through carbon neutral sol-gel process. <i>Thermochimica Acta</i> , 2019, 676, 120-129.	1.2	6

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37	Assessment of impact breakage of carbamazepine dihydrate due to aerodynamic dispersion. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118780.	2.6	5
38	DEM analysis of the effect of particle shape, cohesion and strain rate on powder rheometry. <i>Powder Technology</i> , 2019, 342, 653-663.	2.1	39
39	Numerical simulation of powder flow during spreading in additive manufacturing. <i>Powder Technology</i> , 2019, 342, 801-807.	2.1	70
40	Evaluation of a new dispersion technique for assessing triboelectric charging of powders. <i>International Journal of Pharmaceutics</i> , 2018, 543, 151-159.	2.6	15
41	Modelling of auto-agglomeration of cohesive powders. <i>Chemical Engineering Research and Design</i> , 2018, 133, 137-141.	2.7	5
42	Promising solid electrolyte material for an IT-SOFC: crystal structure of the cerium gadolinium holmium oxide $Ce_{0.8}Gd_{0.1}Ho_{0.1}O_{1.9}$ between 295 and 1023 K. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 236-239.	0.2	5
43	Nonlinear Vibration Analysis of a Cable Carrying Moving Mass-Spring-Damper. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850030.	1.5	6
44	Impact breakage of pharmaceutical tablets. <i>International Journal of Pharmaceutics</i> , 2018, 536, 370-376.	2.6	18
45	Free vibration and critical angular velocity of a rotating variable thickness two-directional FG circular microplate. <i>Microsystem Technologies</i> , 2018, 24, 1525-1543.	1.2	28
46	Analysis of pin milling of pharmaceutical materials. <i>International Journal of Pharmaceutics</i> , 2018, 552, 394-400.	2.6	12
47	Experimental study of the deformation and breakage of 3D printed agglomerates: Effects of packing density and inter-particle bond strength. <i>Powder Technology</i> , 2018, 340, 299-310.	2.1	18
48	Experimental evaluation of the effect of particle properties on the segregation of ternary powder mixtures. <i>Powder Technology</i> , 2018, 336, 240-254.	2.1	16
49	Jamming during particle spreading in additive manufacturing. <i>Powder Technology</i> , 2018, 338, 253-262.	2.1	151
50	A methodology for calibration of DEM input parameters in simulation of segregation of powder mixtures, a special focus on adhesion. <i>Powder Technology</i> , 2018, 339, 789-800.	2.1	32
51	Critical electric field strength for partial coalescence of droplets on oil-water interface under DC electric field. <i>Chemical Engineering Research and Design</i> , 2018, 136, 83-93.	2.7	28
52	CFD modeling of a pilot-scale countercurrent spray drying tower for the manufacture of detergent powder. <i>Drying Technology</i> , 2017, 35, 281-299.	1.7	27
53	Ball indentation on powder beds for assessing powder flowability: Analysis of operation window. <i>Powder Technology</i> , 2017, 310, 300-306.	2.1	26
54	Analysis of powder rheometry of FT4: Effect of air flow. <i>Chemical Engineering Science</i> , 2017, 162, 141-151.	1.9	30

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55	Assessment of surface caking of powders using the ball indentation method. International Journal of Pharmaceutics, 2017, 521, 61-68.	2.6	15
56	A review of bulk powder caking. Powder Technology, 2017, 313, 389-401.	2.1	118
57	Inter-particle coating variability in a rotary batch seed coater. Chemical Engineering Research and Design, 2017, 120, 92-101.	2.7	12
58	Stress analysis of an agitated particle bed with different particle aspect ratios by the discrete element method. EPJ Web of Conferences, 2017, 140, 06022.	0.1	0
59	Analysis of triboelectric charging of particles due to aerodynamic dispersion by a pulse of pressurised air jet. Advanced Powder Technology, 2017, 28, 2735-2740.	2.0	7
60	Droplet deformation under pulsatile electric fields. Chemical Engineering Research and Design, 2017, 127, 180-188.	2.7	36
61	Relationship between surface area coverage of flow-aids and flowability of cohesive particles. Powder Technology, 2017, 322, 417-427.	2.1	38
62	Assessment of Near-Infrared (NIR) spectroscopy for segregation measurement of low content level ingredients. Powder Technology, 2017, 320, 143-154.	2.1	11
63	Numerical analysis of air effect on the powder flow dynamics in the FT4 Powder Rheometer. EPJ Web of Conferences, 2017, 140, 03036.	0.1	3
64	Fluid-particle energy transfer in spiral jet milling. EPJ Web of Conferences, 2017, 140, 09040.	0.1	8
65	Analysis of powder rheometry of FT4: Effect of particle shape. Chemical Engineering Science, 2017, 173, 374-383.	1.9	39
66	The effect of particle shape on predicted segregation in binary powder mixtures. Powder Technology, 2017, 319, 313-322.	2.1	50
67	Residence time distribution of glass ballotini in isothermal swirling flows in a counter-current spray drying tower. Powder Technology, 2017, 305, 809-815.	2.1	12
68	3D printed agglomerates for granule breakage tests. Powder Technology, 2017, 306, 103-112.	2.1	29
69	Stress and strain rate analysis of the FT4 Powder Rheometer. EPJ Web of Conferences, 2017, 140, 03034.	0.1	6
70	Effect of Structure on Strength of Agglomerates using Distinct Element Method. EPJ Web of Conferences, 2017, 140, 15015.	0.1	2
71	CFD-DEM Analysis of Particle Attrition in a Jet in a Fluidised Bed. EPJ Web of Conferences, 2017, 140, 07017.	0.1	5
72	Numerical Analysis of the Effect of Particle Shape and Adhesion on the Segregation of Powder Mixtures. EPJ Web of Conferences, 2017, 140, 06024.	0.1	5

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73	Distinct element analysis of inter-particle coating variability in a batch seed coater. EPJ Web of Conferences, 2017, 140, 15035.	0.1	0
74	Analysis of Minor Component Segregation in Ternary Powder Mixtures. EPJ Web of Conferences, 2017, 140, 13013.	0.1	2
75	Linear dynamics modelling of droplet deformation in a pulsatile electric field. Chemical Engineering Research and Design, 2016, 114, 162-170.	2.7	16
76	Impact attrition of spray-dried burkeite particles. Powder Technology, 2016, 304, 2-7.	2.1	15
77	Analysis of partial electrocoalescence by Level-Set and finite element methods. Chemical Engineering Research and Design, 2016, 114, 180-189.	2.7	32
78	Analysis of milling of dry compacted ribbons by distinct element method. Chemical Engineering Science, 2016, 149, 204-214.	1.9	12
79	Effect of particle shape on flow in discrete element method simulation of a rotary batch seed coater. Powder Technology, 2016, 296, 29-36.	2.1	79
80	A method for grindability testing using the Scirocco disperser. International Journal of Pharmaceutics, 2016, 501, 65-74.	2.6	13
81	A power series for vibration of a rotating nanobeam with considering thermal effect. Mechanics of Advanced Materials and Structures, 2016, 23, 1414-1420.	1.5	30
82	Auto-granulation of Fine Cohesive Powder by Mechanical Vibration. Procedia Engineering, 2015, 102, 72-80.	1.2	20
83	Electrocoalescence of water drop trains in oil under constant and pulsatile electric fields. Chemical Engineering Research and Design, 2015, 104, 658-668.	2.7	58
84	Attrition of paracetamol and aspirin under bulk shear deformation. Chemical Engineering Science, 2015, 125, 13-19.	1.9	6
85	A comparative analysis of particle tracking in a mixer by discrete element method and positron emission particle tracking. Powder Technology, 2015, 270, 569-574.	2.1	13
86	Electrostatic phase separation: A review. Chemical Engineering Research and Design, 2015, 96, 177-195.	2.7	181
87	Impact strength distribution of placebo enzyme granules. Powder Technology, 2015, 285, 68-73.	2.1	5
88	Effect of mill type on the size reduction and phase transformation of gamma alumina. Chemical Engineering Science, 2015, 134, 774-783.	1.9	107
89	Analysis of the dynamics of the FT4 powder rheometer. Powder Technology, 2015, 285, 123-127.	2.1	91
90	CFD Simulation of a Counter-current Spray Drying Tower with Stochastic Treatment of Particle-wall Collision. Procedia Engineering, 2015, 102, 1284-1294.	1.2	13

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91	Comparison of cohesive powder flowability measured by Schulze Shear Cell, Raining Bed Method, Sevilla Powder Tester and new Ball Indentation Method. Powder Technology, 2015, 286, 807-816.	2.1	31
92	Effect of mechanical vibration on the size and microstructure of titania granules produced by auto-granulation. Powder Technology, 2015, 286, 223-229.	2.1	6
93	Particle Breakage in a Scirocco Disperser. Powder Technology, 2015, 285, 138-145.	2.1	11
94	Effect of surfactants on the deformation and break-up of an aqueous drop in oils under high electric field strengths. Journal of Petroleum Science and Engineering, 2015, 125, 38-47.	2.1	24
95	Numerical analysis of strain rate sensitivity in ball indentation on cohesive powder Beds. Chemical Engineering Science, 2015, 123, 92-98.	1.9	11
96	Numerical methods for solving singular integral equations obtained by fracture mechanical analysis of cracked wedge. Applied Mathematics and Mechanics (English Edition), 2014, 35, 311-324.	1.9	0
97	A linear model of elasto-plastic and adhesive contact deformation. Granular Matter, 2014, 16, 151-162.	1.1	62
98	A one-dimensional plug-flow model of a counter-current spray drying tower. Chemical Engineering Research and Design, 2014, 92, 826-841.	2.7	42
99	Ion-exchange kinetics and thermal decomposition characteristics of Fe ²⁺ -exchanged alginic acid membrane for the formation of iron oxide nanoparticles. Journal of Materials Science, 2014, 49, 7151-7155.	1.7	10
100	Electro-coalescence of water drops in oils under pulsatile electric fields. Chemical Engineering Science, 2014, 120, 130-142.	1.9	81
101	Analysis of bonded anisotropic wedges with interface crack under anti-plane shear loading. Applied Mathematics and Mechanics (English Edition), 2014, 35, 637-654.	1.9	2
102	Drop test: A new method to measure the particle adhesion force. Powder Technology, 2014, 264, 236-241.	2.1	53
103	Instantaneous Monitoring of Drill Bit Wear and Specific Energy as a Criteria for the Appropriate Time for Pulling Out Worn Bits. , 2014, , .		2
104	Analysis of seeded granulation in high shear granulators by discrete element method. Powder Technology, 2013, 238, 50-55.	2.1	31
105	Analysis of aerodynamic dispersion of cohesive clusters. Chemical Engineering Science, 2013, 86, 146-150.	1.9	13
106	Tribo-electrification of powders due to dispersion. Powder Technology, 2013, 250, 75-83.	2.1	9
107	Influence of measurement cell size on predicted attrition by the Distinct Element Method. Powder Technology, 2013, 236, 100-106.	2.1	8
108	Further investigations on the influence of scale-up of a high shear granulator on the granule properties. Particology, 2013, 11, 627-635.	2.0	5

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109	Analysis of ball indentation on cohesive powder beds using distinct element modelling. Powder Technology, 2013, 233, 80-90.	2.1	33
110	Strength and structure of granules produced in continuous granulators. Powder Technology, 2013, 233, 227-233.	2.1	13
111	A new environmental bulk powder caking tester. Powder Technology, 2013, 249, 323-329.	2.1	26
112	The flowability and aerodynamic dispersion of cohesive powders. Powder Technology, 2013, 240, 88-94.	2.1	14
113	Tribo-electric charging particle in a shaker. , 2013, , .		3
114	Assessing flowability of small quantities of cohesive powder using distinct element modelling. , 2013, , .		1
115	A new contact model for modelling of elastic-plastic-adhesive spheres in distinct element method. , 2013, , .		2
116	Analysis of seed processing by the distinct element method. , 2013, , .		0
117	The influence of aspect ratio and roughness on flowability. AIP Conference Proceedings, 2013, , .	0.3	9
118	Prediction of bulk particle breakage due to naturally formed shear bands. , 2013, , .		0
119	A mechanistic analysis of bulk powder caking. , 2013, , .		0
120	Novel Ion-Exchange Process for the Preparation of Metal Oxide Nanopowders from Sodium Alginate. Journal of the American Ceramic Society, 2012, 95, 3124-3129.	1.9	21
121	Size measurement of dry ice particles produced from liquid carbon dioxide. Journal of Aerosol Science, 2012, 43, 1-9.	1.8	46
122	Synthesis and characterization of $Ce_{x}Gd_{1-x}O_{2-\delta}$ nanopowders employing an alginate mediated ion-exchange process. Chemical Engineering Journal, 2012, 198-199, 149-153.	6.6	22
123	X-Ray micro-tomography of freeze dried nickel alginate beads and transformation into NiO nanopowders. RSC Advances, 2012, 2, 9993.	1.7	23
124	Sol-gel Production of $Ce_{0.8}Gd_{0.2}O_{1.9}$ Nanopowders Using Sucrose and Pectin as Organic Precursors. Journal of the American Ceramic Society, 2012, 95, 2863-2868.	1.9	13
125	Tribo-electrification of active pharmaceutical ingredients and excipients. Powder Technology, 2012, 217, 427-434.	2.1	56
126	Maltose and pectin assisted sol-gel production of $Ce_{0.8}Gd_{0.2}O_{1.9}$ solid electrolyte nanopowders for solid oxide fuel cells. Journal of Materials Chemistry, 2011, 21, 16494.	6.7	30

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127	Tribo-Electrification and Associated Segregation of Pharmaceutical Bulk Powders. KONA Powder and Particle Journal, 2011, 29, 208-223.	0.9	25
128	Prediction of attrition in agitated particle beds. Chemical Engineering Science, 2011, 66, 4757-4770.	1.9	40
129	The effect of interfacial tension on secondary drop formation in electro-coalescence of water droplets in oil. Chemical Engineering Science, 2011, 66, 5330-5337.	1.9	93
130	Progress in low temperature hydrogen production with simultaneous CO2 abatement. Chemical Engineering Research and Design, 2011, 89, 1774-1782.	2.7	26
131	Effects of process parameters on granules properties produced in a high shear granulator. Chemical Engineering Research and Design, 2011, 89, 512-518.	2.7	66
132	Analysis of granule breakage in a rotary mixing drum: Experimental study and distinct element analysis. Powder Technology, 2011, 210, 175-180.	2.1	25
133	Electro-coalescence of an aqueous droplet at an oil-water interface. Chemical Engineering and Processing: Process Intensification, 2011, 50, 338-344.	1.8	76
134	Mechanistic analysis and computer simulation of the aerodynamic dispersion of loose aggregates. Chemical Engineering Research and Design, 2011, 89, 519-525.	2.7	33
135	The breakage behaviour of Aspirin under quasi-static indentation and single particle impact loading: Effect of crystallographic anisotropy. International Journal of Pharmaceutics, 2011, 411, 49-63.	2.6	53
136	A comparative study on hydrogen production from steam-glycerol reforming: thermodynamics and experimental. Renewable Energy, 2011, 36, 779-788.	4.3	88
137	Seeded granulation. Powder Technology, 2011, 206, 53-62.	2.1	24
138	Analysis of particle motion in a paddle mixer using Discrete Element Method (DEM). Powder Technology, 2011, 206, 189-194.	2.1	78
139	Effect of temperature and humidity on the breakage behaviour of Aspirin and sucrose particles. Powder Technology, 2010, 201, 248-252.	2.1	10
140	Triboelectric charging of powders: A review. Chemical Engineering Science, 2010, 65, 5781-5807.	1.9	469
141	Steam reforming of crude glycerol with in situ CO2 sorption. Bioresource Technology, 2010, 101, 2436-2442.	4.8	120
142	Analysis of anisotropic sector with a radial crack under anti-plane shear loading. International Journal of Solids and Structures, 2010, 47, 1030-1039.	1.3	11
143	Particle Breakage in Agitated Dryers. , 2009, , .		10
144	Mechanistic Analysis and Computer Simulation of the Aerodynamic Dispersion of Loose Aggregates: Effect of Surface Energy. , 2009, , .		1

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145	Analysis of Tribo-Electric Charging of Spherical Beads Using Distinct Element Method. , 2009, , .		6
146	Effect of Primary Particle Size on the Granule Properties. , 2009, , .		0
147	Analysis of Segregation of Binary Mixtures of Particulate Solids. , 2009, , .		0
148	Mechanical Failure of Grains in Sheared Granular Media: Effect of Size Ratio. , 2009, , .		3
149	Analysis of bonded finite wedges with an interfacial crack under antiplane shear loading. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2009, 223, 2213-2223.	1.1	5
150	Impact of surface tension and viscosity on solids motion in a conical high shear mixer granulator. AICHE Journal, 2009, 55, 3088-3098.	1.8	8
151	Analysis of a Simple Test Device for Tribo-Electric Charging of Bulk Powders. Particle and Particle Systems Characterization, 2009, 26, 7-16.	1.2	23
152	Thermodynamic analyses of adsorption-enhanced steam reforming of glycerol for hydrogen production. International Journal of Hydrogen Energy, 2009, 34, 7208-7222.	3.8	110
153	Effect of granulation scale-up on the strength of granules. Powder Technology, 2009, 189, 304-312.	2.1	55
154	Characterisation of granule structure and strength made in a high shear granulator. Powder Technology, 2009, 192, 184-194.	2.1	79
155	Modelling of dense and complex granular flow in high shear mixer granulator – A CFD approach. Chemical Engineering Science, 2009, 64, 3622-3632.	1.9	32
156	Hydrogen production by sorption-enhanced steam reforming of glycerol. Bioresource Technology, 2009, 100, 3540-3547.	4.8	168
157	Aerodynamic dispersion of cohesive powders: A review of understanding and technology. Advanced Powder Technology, 2009, 20, 4-16.	2.0	99
158	On the relative importance of the kinetic and frictional contributions to granular motion in an annular Couette flow. Chemical Engineering Science, 2008, 63, 1733-1739.	1.9	11
159	Assessment of the kinetic – frictional model for dense granular flow. Particuology, 2008, 6, 50-58.	2.0	14
160	Granular flow fields in vertical high shear mixer granulators. AICHE Journal, 2008, 54, 415-426.	1.8	10
161	Characterisation of flowability of cohesive powders by testing small quantities of weak compacts. Particuology, 2008, 6, 282-285.	2.0	20
162	Effect of scale of operation on granule strength in high shear granulators. Chemical Engineering Science, 2008, 63, 915-923.	1.9	48

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163	Influence of interface energy of primary particles on the deformation and breakage behaviour of agglomerates sheared in a powder bed. <i>Chemical Engineering Science</i> , 2008, 63, 5593-5599.	1.9	3
164	Analysis of pulsating electric signals generated in gas-solids pipe flow. <i>Chemical Engineering Science</i> , 2008, 63, 1353-1360.	1.9	35
165	Scale-up of High-Shear Mixer Granulators. <i>KONA Powder and Particle Journal</i> , 2008, 26, 190-204.	0.9	16
166	New instrument for tribocharge measurement due to single particle impacts. <i>Review of Scientific Instruments</i> , 2007, 78, 024706.	0.6	23
167	Chapter 14 Analysis of Milling and the Role of Feed Properties. <i>Handbook of Powder Technology</i> , 2007, , 605-634.	0.1	4
168	Chapter 25 Attrition in Fluidised Beds. <i>Handbook of Powder Technology</i> , 2007, 12, 1019-1053.	0.1	6
169	Chapter 19 Analysis of Agglomerate Breakage. <i>Handbook of Powder Technology</i> , 2007, 12, 837-872.	0.1	9
170	Analysis of enzyme dust formation in detergent manufacturing plants. <i>Advanced Powder Technology</i> , 2007, 18, 53-67.	2.0	9
171	Solids motion in a conical frustum-shaped high shear mixer granulator. <i>Chemical Engineering Science</i> , 2007, 62, 756-765.	1.9	19
172	Triboelectrification of pharmaceutical powders by particle impact. <i>International Journal of Pharmaceutics</i> , 2007, 334, 149-155.	2.6	104
173	Electro-hydrodynamic separation of aqueous drops from flowing viscous oil. <i>Journal of Petroleum Science and Engineering</i> , 2007, 55, 146-155.	2.1	33
174	Milling of sucrose. <i>Powder Technology</i> , 2007, 174, 14-17.	2.1	4
175	Solids motion of calcium carbonate particles in a high shear mixer granulator: A comparison between dry and wet conditions. <i>Powder Technology</i> , 2007, 177, 1-11.	2.1	6
176	Characterisation of Flowability of Loosely Compacted Cohesive Powders by Indentation. <i>Particle and Particle Systems Characterization</i> , 2007, 24, 117-123.	1.2	47
177	Modeling of agglomerate behavior under shear deformation: effect of velocity field of a high shear mixer granulator on the structure of agglomerates. <i>Advanced Powder Technology</i> , 2007, 18, 803-811.	2.0	14
178	Computer simulation of the effect of contact stiffness and adhesion on the fluidization behaviour of powders. <i>Chemical Engineering Science</i> , 2007, 62, 184-194.	1.9	57
179	Effect of size ratio on the behaviour of agglomerates embedded in a bed of particles subjected to shearing: DEM analysis. <i>Chemical Engineering Science</i> , 2007, 62, 935-942.	1.9	32
180	Hardness, Stiffness, and Toughness of Particles. , 2006, , .		0

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181	Measurement of Charge Transfer due to Single Particle Impact. Particle and Particle Systems Characterization, 2006, 23, 133-137.	1.2	47
182	Characterization of the Dispersion Behavior of Powders in Liquids. Particle and Particle Systems Characterization, 2006, 23, 154-158.	1.2	29
183	Evaluation of the single contact electrical clamping force. Chemical Engineering Science, 2006, 61, 2290-2300.	1.9	10
184	Solids behaviour in a dilute gas-solid two-phase mixture flowing through monolith channels. Chemical Engineering Science, 2006, 61, 1561-1570.	1.9	9
185	Mechanistic analysis and computer simulation of impact breakage of agglomerates: Effect of surface energy. Chemical Engineering Science, 2006, 61, 2476-2481.	1.9	101
186	Distinct element analysis of attrition of granular solids under shear deformation. Chemical Engineering Science, 2006, 61, 5991-6001.	1.9	41
187	Electrostatics in powders. Chemical Engineering Science, 2006, 61, 2191.	1.9	0
188	Particle Impact Breakage. , 2006, , .		8
189	Hardness, Stiffness, and Toughness of Particles. , 2006, , 53-65.		0
190	Particle Impact Breakage. , 2006, , 205-212.		3
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