

Dmitry Portnikov

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

356
citations

933447

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794594

19
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21
all docs

21
docs citations

21
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	Strength distribution of particles under compression. Powder Technology, 2011, 208, 215-224.	4.2	83
2	Determination of elastic properties of particles using single particle compression test. Powder Technology, 2014, 268, 244-252.	4.2	45
3	Experimental study on the particle velocity development profile and acceleration length in horizontal dilute phase pneumatic conveying systems. Powder Technology, 2018, 339, 368-376.	4.2	31
4	Experimental study on particle steady state velocity distribution in horizontal dilute phase pneumatic conveying. Chemical Engineering Science, 2018, 187, 354-366.	3.8	30
5	Investigating the testing procedure limits for measuring particle strength distribution. Powder Technology, 2013, 237, 489-496.	4.2	29
6	Comparing particle breakage in an uniaxial confined compression test to single particle crush testsâ€™ model and experimental results. Powder Technology, 2015, 284, 344-354.	4.2	24
7	Experimental investigation of the coefficient of restitution of particles colliding with surfaces in air and water. Advanced Powder Technology, 2020, 31, 3747-3759.	4.1	22
8	Analyzing bulk density and void fraction: A. the effect of archimedes number. Powder Technology, 2021, 381, 477-487.	4.2	17
9	Analyzing bulk density and void fraction: B. Effect of moisture content and compression pressure. Powder Technology, 2021, 381, 285-297.	4.2	13
10	Selection function of particles under impact loads: The effect of collision angle. Particulate Science and Technology, 2018, 36, 420-426.	2.1	10
11	Bend pressure drop in horizontal and vertical dilute phase pneumatic conveying systems. Chemical Engineering Science, 2019, 209, 115228.	3.8	10
12	The effect of temperature on the mechanical characteristics of individual particles. Powder Technology, 2018, 336, 393-405.	4.2	9
13	What do pneumatic conveying and hydraulic conveying have in common?. Powder Technology, 2019, 354, 485-495.	4.2	9
14	Melting in a vertical pipe due to asymmetric heating. Renewable Energy, 2020, 152, 179-188.	8.9	8
15	Material comminution functions of wet particles. Powder Technology, 2019, 343, 29-39.	4.2	6
16	Simplified model for particle collision related to attrition in pneumatic conveying. Advanced Powder Technology, 2020, 31, 359-369.	4.1	5
17	Theoretical and experimental analyses of energy distribution between particle and contact surface under static and dynamic loads. Powder Technology, 2021, 380, 358-367.	4.2	2
18	Simple pick-up velocity measurement procedure and defining non-settling particles using a rheometer. Powder Technology, 2021, 393, 23-30.	4.2	1

#	ARTICLE	IF	CITATIONS
19	EXPERIMENTAL STUDY OF CLOSE-CONTACT MELTING IN A CYLINDRICAL ENCLOSURE. , 2018, , .		1
20	Experimental and computational study of a flighted rotary drum cross-sectional characteristics. Powder Technology, 2022, , 117398.	4.2	1
21	Mechanical characteristics of individual bio particles. Biomass Conversion and Biorefinery, 2020, 10, 1207-1220.	4.6	0