

Alain Chamayou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3382069/publications.pdf>

Version: 2024-02-01

41
papers

928
citations

471509

17
h-index

477307

29
g-index

45
all docs

45
docs citations

45
times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of various milling technologies for grinding pharmaceutical powders. <i>International Journal of Mineral Processing</i> , 2004, 74, S173-S181.	2.6	71
2	Mechanochemical Synthesis and Biological Evaluation of Novel Isoniazid Derivatives with Potent Antitubercular Activity. <i>Molecules</i> , 2017, 22, 1457.	3.8	71
3	Surface modification of silica particles by dry coating: Characterization and powder ageing. <i>Powder Technology</i> , 2009, 190, 200-209.	4.2	70
4	Influence of different dry milling processes on the properties of an attapulgite clay, contribution of inverse gas chromatography. <i>Powder Technology</i> , 2014, 254, 352-363.	4.2	54
5	Use of co-grinding as a solvent-free solid state method to synthesize dibenzophenazines. <i>Tetrahedron Letters</i> , 2011, 52, 4686-4689.	1.4	50
6	Characterization of chitosan/montmorillonite bionanocomposites by inverse gas chromatography. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 516, 336-344.	4.7	48
7	Talc grinding in an opposed air jet mill: start-up, product quality and production rate optimization. <i>Powder Technology</i> , 2002, 128, 306-313.	4.2	44
8	Solvent-free mechanochemical route for green synthesis of pharmaceutically attractive phenol-hydrazones. <i>RSC Advances</i> , 2014, 4, 56736-56742.	3.6	44
9	Electron paramagnetic resonance of radicals induced in drugs and excipients by radiation or mechanical treatments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 1313-1320.	3.9	36
10	Chapter 8 Air Jet Milling. <i>Handbook of Powder Technology</i> , 2007, 12, 421-435.	0.1	36
11	Physicochemical characterization of a diatomaceous upon an acid treatment: a focus on surface properties by inverse gas chromatography. <i>Powder Technology</i> , 2016, 294, 498-507.	4.2	34
12	Particleâ€“particle coating in a cyclomix impact mixer. <i>Powder Technology</i> , 2009, 189, 245-252.	4.2	30
13	Dry coating of talc particles with fumed silica: Influence of the silica concentration on the wettability and dispersibility of the composite particles. <i>Powder Technology</i> , 2011, 208, 372-377.	4.2	30
14	Engineering of nano-crystalline drug suspensions: Employing a physico-chemistry based stabilizer selection methodology or approach. <i>International Journal of Pharmaceutics</i> , 2014, 476, 277-288.	5.2	26
15	Greener pharmacy using solvent-free synthesis: Investigation of the mechanism in the case of dibenzophenazine. <i>Powder Technology</i> , 2013, 240, 41-47.	4.2	23
16	Experiment and simulation of dry particle coating. <i>Chemical Engineering Science</i> , 2013, 86, 164-172.	3.8	21
17	Evolution of the interaction of a new chemical entity, eflucimibe, with Î³-cyclodextrin during kneading process. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 23, 123-129.	4.0	19
18	Modeling the mean interaction forces between powder particles. Application to silica gelâ€“magnesium stearate mixtures. <i>Applied Surface Science</i> , 2009, 255, 7500-7507.	6.1	18

#	ARTICLE	IF	CITATIONS
19	Electron spin resonance and thermoluminescence studies on irradiated drugs and excipients. <i>Radiation Physics and Chemistry</i> , 2002, 63, 705-707.	2.8	15
20	An Assessment of the Surface Properties of Milled Attapulgite Using Inverse Gas Chromatography. <i>Clays and Clay Minerals</i> , 2010, 58, 143-153.	1.3	15
21	Comprehensive experimental investigation of mechanically induced 1,4-diazines synthesis in solid state. <i>Tetrahedron</i> , 2017, 73, 2305-2310.	1.9	14
22	Surface Analysis of Silica Gel Particles after Mechanical Dry Coating with Magnesium Stearate. <i>KONA Powder and Particle Journal</i> , 2010, 28, 209-218.	1.7	13
23	Effect of operating conditions on dry particle coating in a high shear mixer. <i>Powder Technology</i> , 2012, 229, 97-103.	4.2	13
24	Lowering the Activation Energy under Mechanochemical Conditions: The Case of 2,3-diphenylquinoxaline. <i>ChemistrySelect</i> , 2016, 1, 984-988.	1.5	13
25	Elucidation of the Diels-Alder Reaction Kinetics between Diphenylfulvene and Maleimide by Mechanochemistry and in Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4453-4462.	6.7	13
26	Development of an ultrasonic high-pressure roller press. <i>Chemical Engineering Science</i> , 2003, 58, 4317-4322.	3.8	12
27	Dry coating of talc particles: Effect of material and process modifications on their wettability and dispersibility. <i>AIChE Journal</i> , 2011, 57, 79-86.	3.6	12
28	Application of a simplifying model to the breakage of different materials in an air jet mill. <i>International Journal of Mineral Processing</i> , 2011, 99, 11-16.	2.6	11
29	Removal of lead(II) from aqueous solution using modified palygorskite, contribution of inverse gas chromatography. <i>Journal of Chromatography A</i> , 2015, 1408, 207-216.	3.7	10
30	Study of the Two Steps and One-Pot Two-Step Mechanochemical Synthesis of Annulated 1,2,4-Triazoles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3114-3125.	6.7	10
31	Production of composite particles using an innovative continuous dry coating process derived from extrusion. <i>Advanced Powder Technology</i> , 2017, 28, 2875-2885.	4.1	9
32	Application of a simplifying model to the breakage of different materials in an air jet mill. <i>International Journal of Mineral Processing</i> , 2012, 112-113, 7-12.	2.6	8
33	Radical probes to measure the action of energy on granular materials. <i>Advanced Powder Technology</i> , 2005, 16, 199-211.	4.1	6
34	Evaluation of the Mechanical Resistance of a Powder-powder Coating by Modulated Dry Feed Particle Size Analysis. <i>Particle and Particle Systems Characterization</i> , 2006, 23, 127-132.	2.3	5
35	Comparative Study of Two Processes to Improve the Bioavailability of an Active Pharmaceutical Ingredient: Kneading and Supercritical Technology. <i>KONA Powder and Particle Journal</i> , 2007, 25, 217-229.	1.7	5
36	Assessment of formulation robustness for nano-crystalline suspensions using failure mode analysis or derisking approach. <i>International Journal of Pharmaceutics</i> , 2016, 506, 320-331.	5.2	4

#	ARTICLE	IF	CITATIONS
37	Kinetic of a liquid/liquid/solid fine chemicals reactions - modelling of a continuous pilot plant reactor. Chemical Engineering and Technology, 1996, 19, 67-74.	1.5	3
38	High energy dry coating mixing: Elements on velocities, temperatures and melting. Advanced Powder Technology, 2011, 22, 184-189.	4.1	3
39	Dry coating in a high shear mixer: Comparison of experimental results with DEM analysis of particle motions. , 2013, , .		2
40	Dry Coating Characterization of Coverage by Image Analysis: Methodology. Procedia Engineering, 2015, 102, 81-88.	1.2	1
41	Processing of Food Powders. , 2008, , 341-368.		1