

# Alain Chamayou

## List of Publications by Year in descending order

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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	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
2	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
3	Comprehensive experimental investigation of mechanically induced 1,4-diazines synthesis in solid state. <i>Tetrahedron</i> , 2017, 73, 2305-2310.	1.9	14
4	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
5	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
6	Mechanochemical Synthesis and Biological Evaluation of Novel Isoniazid Derivatives with Potent Antitubercular Activity. <i>Molecules</i> , 2017, 22, 1457.	3.8	71
7	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
8	Lowering the Activation Energy under Mechanochemical Conditions: The Case of 2,3-diphenylquinoxaline. <i>ChemistrySelect</i> , 2016, 1, 984-988.	1.5	13
9	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
10	Dry Coating Characterization of Coverage by Image Analysis: Methodology. <i>Procedia Engineering</i> , 2015, 102, 81-88.	1.2	1
11	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
12	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
13	Solvent-free mechanochemical route for green synthesis of pharmaceutically attractive phenol-hydrazones. <i>RSC Advances</i> , 2014, 4, 56736-56742.	3.6	44
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	Experiment and simulation of dry particle coating. <i>Chemical Engineering Science</i> , 2013, 86, 164-172.	3.8	21
16	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
17	Dry coating in a high shear mixer: Comparison of experimental results with DEM analysis of particle motions. , 2013, , .		2
18	Effect of operating conditions on dry particle coating in a high shear mixer. <i>Powder Technology</i> , 2012, 229, 97-103.	4.2	13

#	ARTICLE	IF	CITATIONS
19	Application of a simplifying model to the breakage of different materials in an air jet mill. International Journal of Mineral Processing, 2012, 112-113, 7-12.	2.6	8
20	Use of co-grinding as a solvent-free solid state method to synthesize dibenzophenazines. Tetrahedron Letters, 2011, 52, 4686-4689.	1.4	50
21	Dry coating of talc particles: Effect of material and process modifications on their wettability and dispersibility. AIChE Journal, 2011, 57, 79-86.	3.6	12
22	Application of a simplifying model to the breakage of different materials in an air jet mill. International Journal of Mineral Processing, 2011, 99, 11-16.	2.6	11
23	High energy dry coating mixing: Elements on velocities, temperatures and melting. Advanced Powder Technology, 2011, 22, 184-189.	4.1	3
24	Dry coating of talc particles with fumed silica: Influence of the silica concentration on the wettability and dispersibility of the composite particles. Powder Technology, 2011, 208, 372-377.	4.2	30
25	Surface Analysis of Silica Gel Particles after Mechanical Dry Coating with Magnesium Stearate. KONA Powder and Particle Journal, 2010, 28, 209-218.	1.7	13
26	An Assessment of the Surface Properties of Milled Attapulgitite Using Inverse Gas Chromatography. Clays and Clay Minerals, 2010, 58, 143-153.	1.3	15
27	Particleâ€“particle coating in a cyclomix impact mixer. Powder Technology, 2009, 189, 245-252.	4.2	30
28	Surface modification of silica particles by dry coating: Characterization and powder ageing. Powder Technology, 2009, 190, 200-209.	4.2	70
29	Modeling the mean interaction forces between powder particles. Application to silica gelâ€“magnesium stearate mixtures. Applied Surface Science, 2009, 255, 7500-7507.	6.1	18
30	Processing of Food Powders. , 2008, , 341-368.		1
31	Chapter 8 Air Jet Milling. Handbook of Powder Technology, 2007, 12, 421-435.	0.1	36
32	Comparative Study of Two Processes to Improve the Bioavailability of an Active Pharmaceutical Ingredient: Kneading and Supercritical Technology. KONA Powder and Particle Journal, 2007, 25, 217-229.	1.7	5
33	Evaluation of the Mechanical Resistance of a Powder-powder Coating by Modulated Dry Feed Particle Size Analysis. Particle and Particle Systems Characterization, 2006, 23, 127-132.	2.3	5
34	Radical probes to measure the action of energy on granular materials. Advanced Powder Technology, 2005, 16, 199-211.	4.1	6
35	Evolution of the interaction of a new chemical entity, eflucimibe, with Î³-cyclodextrin during kneading process. European Journal of Pharmaceutical Sciences, 2004, 23, 123-129.	4.0	19
36	Comparison of various milling technologies for grinding pharmaceutical powders. International Journal of Mineral Processing, 2004, 74, S173-S181.	2.6	71

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37	Development of an ultrasonic high-pressure roller press. <i>Chemical Engineering Science</i> , 2003, 58, 4317-4322.	3.8	12
38	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
39	Electron spin resonance-thermoluminescence studies on irradiated drugs and excipients. <i>Radiation Physics and Chemistry</i> , 2002, 63, 705-707.	2.8	15
40	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
41	Kinetic of a liquid/liquid/solid fine chemicals reactions - modelling of a continuous pilot plant reactor. <i>Chemical Engineering and Technology</i> , 1996, 19, 67-74.	1.5	3