

Juan C Maya

List of Publications by Year in descending order

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16
papers

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1040056

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17
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292
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposal of a method to evaluate the <i>in-situ</i> oxidation of polyphenolic during the cocoa drying. <i>Drying Technology</i> , 2022, 40, 559-570.	3.1	1
2	Modeling a fluidized bed reactor by integrating various scales: Pore, particle, and reactor. <i>AIChE Journal</i> , 2021, 67, e17199.	3.6	0
3	On the modelling of the peripheral fragmentation during coal char gasification with CO ₂ . <i>Fuel</i> , 2021, 298, 120865.	6.4	1
4	Evolution of the porous structure of cocoa beans during microwave drying. <i>Drying Technology</i> , 2020, 38, 1313-1322.	3.1	8
5	On the evolution of pore microstructure during coal char activation with steam/CO ₂ mixtures. <i>Carbon</i> , 2020, 158, 121-130.	10.3	27
6	Development of a low-temperature water heating system based on the combustion of CH ₄ in porous-media. <i>Energy</i> , 2020, 209, 118461.	8.8	3
7	Roasting impact on the chemical and physical structure of <i>Criollo</i> cocoa variety (<i>Theobroma cacao</i> L.). <i>Journal of Food Process Engineering</i> , 2020, 43, e13400.	2.9	16
8	Mathematical model for the mass transport in multiple porous scales. <i>Journal of Food Engineering</i> , 2018, 233, 28-39.	5.2	4
9	Effect of the CaO sintering on the calcination rate of CaCO ₃ under atmospheres containing CO ₂ . <i>AIChE Journal</i> , 2018, 64, 3638-3648.	3.6	41
10	Effect of sintering on the reactivity of copper-based oxygen carriers synthesized by impregnation. <i>Chemical Engineering Science</i> , 2017, 162, 131-140.	3.8	9
11	On the modeling of the CO ₂ -catalyzed sintering of calcium oxide. <i>AIChE Journal</i> , 2017, 63, 3286-3296.	3.6	18
12	Novel model for the sintering of ceramics with bimodal pore size distributions: Application to the sintering of lime. <i>AIChE Journal</i> , 2017, 63, 893-902.	3.6	11
13	Degradation of polyphenols during the cocoa drying process. <i>Journal of Food Engineering</i> , 2016, 189, 99-105.	5.2	47
14	Novel model for non catalytic solid-gas reactions with structural changes by chemical reaction and sintering. <i>Chemical Engineering Science</i> , 2016, 142, 258-268.	3.8	24
15	Modeling of Oxidation and Reduction of a Copper-Based Oxygen Carrier. <i>Energy & Fuels</i> , 2014, 28, 5434-5444.	5.1	18
16	Effect of flue gas recirculation during oxy-fuel combustion in a rotary cement kiln. <i>Energy</i> , 2014, 64, 615-625.	8.8	56