

Jean-François Portha

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

521
citations

840776

11
h-index

940533

16
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21
all docs

21
docs citations

21
times ranked

731
citing authors

#	ARTICLE	IF	CITATIONS
1	Indian mustard bioproducts dry-purification with natural adsorbents - A biorefinery for a green circular economy. <i>Journal of Cleaner Production</i> , 2021, 286, 125411.	9.3	7
2	Techno-Economic and Carbon Footprint Analyses of a Coke Oven Gas Reuse Process for Methanol Production. <i>Processes</i> , 2021, 9, 1042.	2.8	5
3	Assessment of organic Rankine cycle configurations for solar polygeneration orientated to electricity production and desalination. <i>Applied Thermal Engineering</i> , 2021, 195, 116983.	6.0	13
4	Design of a Bench-Scale Tubular Reactor Similar to Plug Flow Reactor for Gas-Phase Kinetic Data Generation-Illustration with the Pyrolysis of Octanoic Acid. <i>Processes</i> , 2021, 9, 2270.	2.8	0
5	Experimental Characterization of a Compact Milli-Channel Heat Exchanger for Liquid-Liquid Heat Transfer. <i>Heat Transfer Engineering</i> , 2020, 41, 1869-1884.	1.9	0
6	From ethyl biodiesel to biolubricants: Options for an Indian mustard integrated biorefinery toward a green and circular economy. <i>Industrial Crops and Products</i> , 2019, 137, 597-614.	5.2	30
7	Development and implementation of systematic model-development strategy using model-based experimental design. <i>Chemical Engineering Research and Design</i> , 2019, 146, 290-310.	5.6	0
8	A review of thermochemical processes and technologies to use steelworks off-gases. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 809-823.	16.4	102
9	Kinetics of Methanol Synthesis from Carbon Dioxide Hydrogenation over Copper-Zinc Oxide Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13133-13145.	3.7	84
10	Estimation of kinetic parameters and diffusion coefficients for the transesterification of triolein with methanol on a solid ZnAl ₂ O ₄ catalyst. <i>Chemical Engineering Journal</i> , 2016, 283, 833-845.	12.7	22
11	Impact of reducing the channel diameter on heterogeneous gas reactions in an isothermal monolith. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 95, 317-326.	3.6	12
12	Analysis of Equilibrium Shifting by Inter-Stage Reactant Feeding in a Series of Isothermal Reactors. <i>International Journal of Chemical Reactor Engineering</i> , 2014, 12, 163-179.	1.1	0
13	Methanol synthesis from CO ₂ and H ₂ in multi-tubular fixed-bed reactor and multi-tubular reactor filled with monoliths. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2598-2608.	5.6	45
14	Local and global process intensification. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 84, 1-13.	3.6	50
15	New protocol of the Villiermaux-Dushman reaction system to characterize micromixing effect in viscous media. <i>Chemical Engineering Science</i> , 2014, 118, 94-101.	3.8	28
16	Influence of the plate-type continuous micro-separator dimensions on the efficiency of demulsification of oil-in-water emulsion. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2758-2769.	5.6	17
17	Simulation and kinetic study of transesterification of triolein to biodiesel using modular reactors. <i>Chemical Engineering Journal</i> , 2012, 207-208, 285-298.	12.7	33
18	Intensification of heat transfer during evaporation of a falling liquid film in vertical microchannels-Experimental investigations. <i>Chemical Engineering Science</i> , 2012, 75, 152-166.	3.8	11

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19	Estimation of the environmental impact of a petrochemical process using coupled LCA and exergy analysis. Resources, Conservation and Recycling, 2010, 54, 291-298.	10.8	44
20	Life Cycle Assessment Applied to Naphtha Catalytic Reforming. Oil and Gas Science and Technology, 2010, 65, 793-805.	1.4	17
21	Sizing of a washcoated reactor for the catalytic oxidation of propylene to acrolein on a solid bismuth/molybdate catalyst. Journal of Flow Chemistry, 0, , 1.	1.9	1