Jean-FranÃ§ois Portha

List of Publications by Year
in descending order

21 papers	521 citations	840776 11 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	731 citing authors

#	Article	IF	Citations
1	A review of thermochemical processes and technologies to use steelworks off-gases. Renewable and Sustainable Energy Reviews, 2017, 74, 809-823.	16.4	102
2	Kinetics of Methanol Synthesis from Carbon Dioxide Hydrogenation over Copperâ€“Zinc Oxide Catalysts. Industrial & Engineering Chemistry Research, 2017, 56, 13133-13145.	3.7	84
3	Local and global process intensification. Chemical Engineering and Processing: Process Intensification, 2014, 84, 1-13.	3.6	50
4	Methanol synthesis from CO2 and H2 in multi-tubular fixed-bed reactor and multi-tubular reactor filled with monoliths. Chemical Engineering Research and Design, 2014, 92, 2598-2608.	5.6	45
5	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
6	Simulation and kinetic study of transesterification of triolein to biodiesel using modular reactors. Chemical Engineering Journal, 2012, 207-208, 285-298.	12.7	33
7	From ethyl biodiesel to biolubricants: Options for an Indian mustard integrated biorefinery toward a green and circular economy. Industrial Crops and Products, 2019, 137, 597-614.	5.2	30
8	New protocol of the Villermauxâ€“Dushman reaction system to characterize micromixing effect in viscous media. Chemical Engineering Science, 2014, 118, 94-101.	3.8	28
9	Estimation of kinetic parameters and diffusion coefficients for the transesterification of triolein with methanol on a solid ZnAl2O4 catalyst. Chemical Engineering Journal, 2016, 283, 833-845.	12.7	22
10	Life Cycle Assessment Applied to Naphtha Catalytic Reforming. Oil and Gas Science and Technology, 2010, 65, 793-805.	1.4	17
11	Influence of the plate-type continuous micro-separator dimensions on the efficiency of demulsification of oil-in-water emulsion. Chemical Engineering Research and Design, 2014, 92, 2758-2769.	5.6	17
12	Assessment of organic Rankine cycle configurations for solar polygeneration orientated to electricity production and desalination. Applied Thermal Engineering, 2021, 195, 116983.	6.0	13
13	Impact of reducing the channel diameter on heterogeneous gas reactions in an isothermal monolith. Chemical Engineering and Processing: Process Intensification, 2015, 95, 317-326.	3.6	12
14	Intensification of heat transfer during evaporation of a falling liquid film in vertical microchannelsâ€”Experimental investigations. Chemical Engineering Science, 2012, 75, 152-166.	3.8	11
15	Indian mustard bioproducts dry-purification with natural adsorbents - A biorefinery for a green circular economy. Journal of Cleaner Production, 2021, 286, 125411.	9.3	7
16	Techno-Economic and Carbon Footprint Analyses of a Coke Oven Gas Reuse Process for Methanol Production. Processes, 2021, 9, 1042.	2.8	5
17	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
18	Analysis of Equilibrium Shifting by Inter-Stage Reactant Feeding in a Series of Isothermal Reactors. International Journal of Chemical Reactor Engineering, 2014, 12, 163-179.	1.1	0

#	Article	IF	Citations
19	Development and implementation of systematic model-development strategy using model-based experimental design. Chemical Engineering Research and Design, 2019, 146, 290-310.	5.6	0
20	Experimental Characterization of a Compact Milli-Channel Heat Exchanger for Liquidâ€“Liquid Heat Transfer. Heat Transfer Engineering, 2020, 41, 1869-1884.	1.9	0
21	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. Processes, 2021, 9, 2270.	2.8	0