Osvaldir P Taranto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10690607/publications.pdf

Version: 2024-02-01

25 papers	626 citations	567281 15 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	521 citing authors

#	Article	IF	Citations
1	Design, optimization and scale-up of a new micromixer design based on plate column for organic synthesis. Chemical Engineering Journal, 2022, 446, 137159.	12.7	11
2	Development of a New Micromixer â€œElisâ€•for Fluid Mixing and Organic Reactions in Millidevices. Industrial & Engineering Chemistry Research, 2021, 60, 9216-9230.	3.7	15
3	3D printed millireactors for process intensification. Chinese Journal of Chemical Engineering, 2020, 28, 180-190.	3.5	10
4	Reduction of the process time in the achieve of rice bran protein through ultrasound-assisted extraction and microwave-assisted extraction. Separation Science and Technology, 2020, 55, 300-312.	2.5	40
5	Microfluidic Devices and 3D Printing for Synthesis and Screening of Drugs and Tissue Engineering. Industrial & Engineering Chemistry Research, 2020, 59, 3794-3810.	3.7	21
6	Computational methodology for the development of microdevices and microreactors with ANSYS CFX. MethodsX, 2020, 7, 100765.	1.6	18
7	Modeling and simulation using OpenFOAM of biodiesel synthesis in structured microreactor. International Journal of Multiphase Flow, 2020, 132, 103435.	3.4	10
8	How chemical engineers can contribute to fight the COVID-19. Journal of the Taiwan Institute of Chemical Engineers, 2020, 116, 67-80.	5.3	4
9	Acacia gum fluidized bed agglomeration: Use of inulin as a binder and process parameters analysis. Journal of Food Process Engineering, 2020, 43, e13409.	2.9	8
10	Optimization of micromixer with triangular baffles for chemical process in millidevices. Sensors and Actuators B: Chemical, 2019, 281, 191-203.	7.8	42
11	Development of microreactors applied on biodiesel synthesis: From experimental investigation to numerical approaches. Journal of Industrial and Engineering Chemistry, 2019, 69, 1-12.	5.8	25
12	Transesterification of sunflower oil in microchannels with circular obstructions. Chinese Journal of Chemical Engineering, 2018, 26, 852-863.	3.5	38
13	Application of Microfluidics in Process Intensification. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	4
14	Agglomeration process of rice protein concentrate using glucomannan as binder: In-line monitoring of particle size. Chemical Engineering Research and Design, 2018, 135, 37-51.	5.6	11
15	Biodiesel synthesis in micromixer with static elements. Energy Conversion and Management, 2017, 141, 28-39.	9.2	77
16	Evaporation of excess alcohol in biodiesel in a microchannel heat exchanger with Peltier module. Chemical Engineering Research and Design, 2017, 124, 20-28.	5.6	12
17	Transesterification reaction of sunflower oil and ethanol for biodiesel synthesis in microchannel reactor: Experimental and simulation studies. Chemical Engineering Journal, 2016, 302, 752-762.	12.7	75
18	Numerical simulation of mixing and reaction of Jatropha curcas oil and ethanol for synthesis of biodiesel in micromixers. Chemical Engineering Science, 2015, 132, 159-168.	3.8	37

#	Article	IF	Citations
19	Numerical simulations of biodiesel synthesis in microchannels with circular obstructions. Chemical Engineering and Processing: Process Intensification, 2015, 98, 137-146.	3.6	38
20	Monitoring and control of coating and granulation processes in fluidized beds â€“ A review. Advanced Powder Technology, 2014, 25, 195-210.	4.1	64
21	Identification of defluidization in fluidized bed coating using the Gaussian spectral pressure distribution. Powder Technology, 2011, 206, 149-153.	4.2	20
22	Control of fluidized bed coating particles using Gaussian spectral pressure distribution. Powder Technology, 2011, 212, 445-458.	4.2	18
23	Drying of a Porous Material in a Pulsed Fluid Bed Dryer: The Influences of Temperature, Frequency of Pulsation, and Air Flow Rate. Drying Technology, 2009, 27, 212-219.	3.1	20
24	Scaleâ€up and Spouting of Twoâ€Dimensional Beds. Canadian Journal of Chemical Engineering, 2003, 81, 264-267.	1.7	7
25	3D printed millireactor with yeast immobilized in calciumâ€alginate film for application in fermentation processes. AICHE Journal, 0, , e17460.	3.6	1