

Dirceu Noriler

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An alternative for the collection of small particles in cyclones: Experimental analysis and CFD modeling. Separation and Purification Technology, 2017, 184, 54-65.	3.9	69
2	Experiments and CFD-based erosion modeling for gas-solids flow in cyclones. Powder Technology, 2017, 311, 120-131.	2.1	53
3	Cyclone optimization by COMPLEX method and CFD simulation. Powder Technology, 2015, 277, 11-21.	2.1	37
4	Nanoscale mixing during double-flame spray synthesis of heterostructured nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	29
5	Simultaneous Momentum, Mass, and Energy Transfer Analysis of a Distillation Sieve Tray Using CFD Techniques: Prediction of Efficiencies. Industrial & Engineering Chemistry Research, 2010, 49, 6599-6611.	1.8	27
6	Thermal fluid dynamics analysis of gas-liquid flow on a distillation sieve tray. Chemical Engineering Journal, 2008, 136, 133-143.	6.6	24
7	Modelling polydisperse nanoparticle size distributions as produced via flame spray pyrolysis. Powder Technology, 2020, 370, 116-128.	2.1	19
8	Numerical gas-solid flow analysis of ring-baffled risers. Powder Technology, 2016, 297, 320-329.	2.1	17
9	Combustion kinetic analysis of flame spray pyrolysis process. Chemical Engineering and Processing: Process Intensification, 2018, 129, 17-27.	1.8	17
10	INFLUENCE OF ATOMIZATION AND SPRAY PARAMETERS ON THE FLAME SPRAY PROCESS FOR NANOPARTICLE PRODUCTION. Atomization and Sprays, 2014, 24, 495-524.	0.3	16
11	Gas-solid flow in a ring-baffled CFB riser: Numerical and experimental analysis. Powder Technology, 2019, 345, 521-531.	2.1	16
12	Development of a New Micromixer for Fluid Mixing and Organic Reactions in Millidevices. Industrial & Engineering Chemistry Research, 2021, 60, 9216-9230.	1.8	15
13	Investigation of atomization concepts for large-scale flame spray pyrolysis (FSP). Materialwissenschaft Und Werkstofftechnik, 2014, 45, 765-778.	0.5	14
14	Experimental and numerical evaluation of slugs in a vertical air-water flow. International Journal of Multiphase Flow, 2018, 101, 152-166.	1.6	11
15	Design, optimization and scale-up of a new micromixer design based on plate column for organic synthesis. Chemical Engineering Journal, 2022, 446, 137159.	6.6	11
16	A model for precipitation of sub-micrometric particles of PHBV poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by supercritical assisted-atomization. Journal of Supercritical Fluids, 2015, 97, 88-99.	1.6	10
17	Impact of co-flow on the spray flame behaviour applied to nanoparticle synthesis. Canadian Journal of Chemical Engineering, 2019, 97, 604-615.	0.9	9
18	THE EFFECT OF SYSTEM TEMPERATURE AND PRESSURE ON THE FLUID-DYNAMIC BEHAVIOR OF THE SUPERCRITICAL ANTISOLVENT MICRONIZATION PROCESS: A NUMERICAL APPROACH. Brazilian Journal of Chemical Engineering, 2016, 33, 73-90.	0.7	8

#	ARTICLE	IF	CITATIONS
19	Numerical analysis of the interphase forces in bubble columns using eulerâ€Euler modelling framework. Canadian Journal of Chemical Engineering, 2015, 93, 2055-2069.	0.9	6
20	Comparison between numerical results and PIV experimental data for gasâ€solid flow in ducts. Canadian Journal of Chemical Engineering, 2014, 92, 1113-1120.	0.9	5
21	Evaluation of changes in physicochemical properties in a supercritical antisolvent (SAS) process using 3D turbulent CFD approach. Journal of Supercritical Fluids, 2016, 107, 349-357.	1.6	4
22	How chemical engineers can contribute to fight the COVID-19. Journal of the Taiwan Institute of Chemical Engineers, 2020, 116, 67-80.	2.7	4
23	Impact of Reaction Chamber Geometry on the Particle-Residence-Time in Flame Spray Process. Flow, Turbulence and Combustion, 2020, 105, 1055-1086.	1.4	4
24	Eulerâ€Euler model for CO2-MEA reactive absorption on a sieve-tray. Chemical Engineering Research and Design, 2021, 170, 201-212.	2.7	3
25	Prediction of Efficiencies Through Simultaneous Momentum, Mass and Energy Transfer Analyses in a Distillation Sieve Tray by CFD Techniques. Computer Aided Chemical Engineering, 2009, , 1167-1172.	0.3	2
26	Numerical Simulation of Flame Spray Pyrolysis Process for Nanoparticle Productions: Effects of 2D and 3D Approaches. , 2014, , .		2
27	Application of Eulerâ€Lagrange Approach to Predict the Droplet Solidification in a Prilling Tower. Industrial & Engineering Chemistry Research, 2015, 54, 9615-9626.	1.8	2
28	Numerical Investigation of Air/Water and Hydrogen/Diesel Flow Across Tube Bundles With Baffles. Journal of Fluids Engineering, Transactions of the ASME, 2017, 139, .	0.8	1
29	Influence of Pressure and Temperature on the Velocity of a Turbulent Jet Flow 3D. Journal of Chemistry and Chemical Engineering, 2014, 8, .	0.3	1
30	Numerical prediction of cyclone efficiency curve using an Eulerian-Eulerian approach. Advanced Powder Technology, 2022, 33, 103340.	2.0	1
31	Novel Atomization Process for Large Scale Nanoparticle Production by Flame Spray Pyrolysis. , 2014, , .		0
32	Experimental and Numerical Investigation of a Reactive Absorption Column for Chlorine Gas Mitigation. Chemical Engineering Communications, 2016, 203, 924-932.	1.5	0
33	Numerical simulation of gas-solid flow in ducts by CFD techniques. , 2009, , .		0
34	AVALIAÃƒO DAS ALTURAS DE LÃQUIDO CLARO PONTUAIS EM PRATOS PERFURADOS DE DESTILAÃƒO POR EXPERIMENTAÃƒO FÃSICA E NUMÃRICA. , 0, , .		0
35	ANÃLISE DA ATOMIZAÃƒO GIRATÃRIA EM REATORES DE SPRAY FLAMENJANTE POR TÃCNICAS DE CFD. , 0, , .		0
36	ANÃLISE DA INTERAÃƒO ENTRE CHAMAS EM REATORES DE SPRAY FLAMENJANTE POR TÃCNICAS DE CFD. , 0, , .		0

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37	ESTUDO DA DISTRIBUIÇÃO E EVOLUÇÃO DA CONCENTRAÇÃO DE DIÓXIDO DE CARBONO EM UMA SALA DE AULA. , 0, , .		0
38	ANÁLISE NUMÉRICA DO USO DE ANÉIS DEFLETORES INTERNOS SOBRE O ESCOAMENTO GÁS-SÓLIDO EM RISERS DE FCC. , 0, , .		0
39	EXPERIMENTAÇÃO NUMÉRICA E FÍSICA DA EROSIÃO EM CICLONES. , 0, , .		0
40	INVESTIGAÇÃO NUMÉRICA DO ESCOAMENTO BIFÁSICO SOBRE FEIXES DE TUBOS COM A PRESENÇA DE CHICANAS. , 0, , .		0
41	DESENVOLVIMENTO DE UMA UNIDADE EXPERIMENTAL PARA ESTUDOS EM TERMOSSIFÕES COM APLICAÇÃO DA TÉCNICA DE PIV PARA ANÁLISE DO ESCOAMENTO. , 0, , .		0
42	ANÁLISE DE CICLONE COM FLEXIBILIDADE OPERACIONAL POR TÉCNICAS DE CFD. Revista Mundi Engenharia Tecnologia E Gestão (ISSN 2525-4782), 2017, 1, .	0.0	0
43	Estudo do acoplamento das equações de balanço populacional à abordagem Euleriana-Euleriana na simulação de um leito fluidizado circulante. , 0, , .		0
44	INFLUÊNCIA DA PERDA DE CARGA NO BICO ATOMIZADOR NA PRODUÇÃO DE NANOPARTÍCULAS POR PIRÓLISE EM SPRAY FLAMEJANTE. , 0, , .		0