

Jose Jailson NicÃ¡cio Alves

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3975470/publications.pdf>

Version: 2024-02-01

32
papers

277
citations

1040056

9
h-index

996975

15
g-index

32
all docs

32
docs citations

32
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on electrodeposition and characterization of the Ni-W-Fe alloys coatings. Journal of Alloys and Compounds, 2015, 619, 697-703.	5.5	45
2	Effect of current density, temperature and bath pH on properties of Ni-W-Co alloys obtained by electrodeposition. Journal of Alloys and Compounds, 2021, 853, 157104.	5.5	33
3	Comparison between staggered and collocated grids in the finite-volume method performance for single and multi-phase flows. Computers and Chemical Engineering, 1999, 23, 247-262.	3.8	20
4	Improving the Bayer Process productivity – An industrial case study. Minerals Engineering, 2009, 22, 1130-1136.	4.3	16
5	n-Hexane isomerization on Pt/HMOR: effect of platinum content. Reaction Kinetics, Mechanisms and Catalysis, 2011, 102, 473-485.	1.7	15
6	Obtaining and characterization of Ni-Ti/Ti-Mo joints welded by TIG process. Vacuum, 2016, 133, 58-69.	3.5	15
7	Increasing PVC suspension polymerization productivity – An industrial application. Chemical Engineering and Processing: Process Intensification, 2009, 48, 485-492.	3.6	14
8	A new correlation for hazardous area classification based on experiments and CFD predictions. Process Safety Progress, 2019, 38, 21-26.	1.0	12
9	Preparation, characterization and evaluation of x-MoO ₃ /Al-SBA-15 catalysts for biodiesel production. Materials for Renewable and Sustainable Energy, 2022, 11, 17-31.	3.6	10
10	CFD predictions for hazardous area classification. Chinese Journal of Chemical Engineering, 2019, 27, 21-31.	3.5	9
11	Overview and experimental verification of models to classify hazardous areas. Chemical Engineering Research and Design, 2019, 122, 102-117.	5.6	9
12	On the non-monotonic wind influence on flammable gas cloud from CFD simulations for hazardous area classification. Journal of Loss Prevention in the Process Industries, 2020, 68, 104278.	3.3	9
13	Establishing relationships between bath composition and the properties of amorphous Ni-Mo alloys obtained by electrodeposition. Journal of Alloys and Compounds, 2021, 888, 161595.	5.5	9
14	Three-phase trickle-bed reactor model for industrial hydrotreating processes: CFD and experimental verification. Fuel Processing Technology, 2020, 208, 106496.	7.2	7
15	Optimal Operation of an Industrial PVC Dryer. Drying Technology, 2010, 29, 19-34.	3.1	6
16	Modeling and Simulation of Industrial PVC Drying in Fluidized Beds with Internal Heat Source. Chemical Engineering and Technology, 2012, 35, 2107-2119.	1.5	6
17	CFD Simulation of an Industrial Reactor for Thermal Cracking of 1,2-Dichloroethane. Brazilian Journal of Chemical Engineering, 2017, 34, 541-555.	1.3	6
18	McCabe-Thiele Method Revisited-Solving Binary Distillation Problems with Nonconventional Specifications. Journal of Chemical Engineering of Japan, 2008, 41, 933-938.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Model fine tuning for prediction of hydrocyclone performance” An industrial case study. International Journal of Mineral Processing, 2009, 92, 34-41.	2.6	5
20	Influence of bath composition on the electrodeposition of amorphous <sc>Niâ€Mo</sc> alloys using potassiumâ€sodium tartrate as complexing agent. Canadian Journal of Chemical Engineering, 2021, 99, S284.	1.7	5
21	CFD simulation of flashing jet applied to area classification. Canadian Journal of Chemical Engineering, 2019, 97, 465-476.	1.7	4
22	Experimental Data and Phase Equilibrium Modeling in Ternary and Pseudoquaternary Systems of Sunflower Oil for Biodiesel Production. Journal of Chemical & Engineering Data, 2019, 64, 412-420.	1.9	4
23	A CFD-based empirical model for hazardous area extent prediction including wind effects. Journal of Loss Prevention in the Process Industries, 2021, 71, 104497.	3.3	4
24	Analyses of parametric sensitivity in the kinetic theory of granular flows on the prediction of the fluid dynamics of circulating fluidised bed reactors. Computers and Chemical Engineering, 1999, 23, S757-S760.	3.8	3
25	Industrial and simulation analysis of the nitrogen trichloride decomposition process in electrolytic chlorine production. Journal of Hazardous Materials, 2007, 142, 500-505.	12.4	3
26	Remediation procedure used for contaminated soil and underground water: A case study from the chemical industry. Chemical Engineering Research and Design, 2010, 88, 372-379.	5.6	2
27	Fluid dynamic modelling and simulation of circulating fluidized bed reactors: importance of the interface turbulence transfer. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2001, 23, 91-104.	0.1	1
28	Modelling and simulation of inhibition-injection systems applied to polymerization reactors. Journal of Loss Prevention in the Process Industries, 2006, 19, 736-742.	3.3	0
29	Dynamic Analysis and Control Design of the Nitrogen Trichloride Decomposition Process in Electrolytic Chlorine Production. Journal of Chemical Engineering of Japan, 2008, 41, 1119-1122.	0.6	0
30	Modeling of the Fischer-Tropsch Synthesis Aiming to Predict the Production of Paraffins and Olefins. Materials Science Forum, 0, 727-728, 1628-1632.	0.3	0
31	New Routes Study for Synthesis of Molecular Sieves Type Al-MCM-41 and Al-SBA-15. Materials Science Forum, 0, 727-728, 1222-1227.	0.3	0
32	Investigation of Premature Failure of an Industrial Combustor: A Case Study. Journal of Failure Analysis and Prevention, 2021, 21, 759.	0.9	0