

João Cajaiba

List of Publications by Year in descending order

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44
papers

657
citations

686830

13
h-index

580395

25
g-index

45
all docs

45
docs citations

45
times ranked

841
citing authors

#	ARTICLE	IF	CITATIONS
1	Acetylation of glycerol catalyzed by different solid acids. <i>Catalysis Today</i> , 2008, 133-135, 673-677.	2.2	226
2	Catalytic activity of niobium phosphate in the Friedel-Crafts reaction of anisole with alcohols. <i>Catalysis Today</i> , 2006, 118, 379-384.	2.2	47
3	Liquid phase benzoylation of aromatic compounds with benzyl alcohol catalyzed by niobium phosphate. <i>Applied Catalysis A: General</i> , 2003, 245, 377-382.	2.2	39
4	Liquid phase alkylation of anisole by benzyl alcohol catalyzed on alumina-supported niobia. <i>Catalysis Communications</i> , 2007, 8, 1650-1654.	1.6	39
5	A Simple Method Based on the Application of a CCD Camera as a Sensor to Detect Low Concentrations of Barium Sulfate in Suspension. <i>Sensors</i> , 2011, 11, 864-875.	2.1	29
6	Hyperbranched polyglycerols, obtained from environmentally benign monomer, as reactive clays inhibitors for water-based drilling fluids. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	23
7	Influence of glycerides-xanthan gum synergy on their performance as lubricants for water-based drilling fluids. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	20
8	Low-cost system based on image analysis to determine solubility curves. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 1071-1074.	4.0	19
9	Continuous-flow synthesis of dimethyl fumarate: a powerful small molecule for the treatment of psoriasis and multiple sclerosis. <i>RSC Advances</i> , 2020, 10, 2490-2494.	1.7	16
10	Determination of the Adipic Acid Solubility Curve in Acetone by Using ATR-FTIR and Heat Flow Calorimetry. <i>Organic Process Research and Development</i> , 2011, 15, 893-897.	1.3	15
11	A sustainable process for (±)-bisabolol extraction from <i>Eremanthus erythropappus</i> using supercritical CO ₂ and ethanol as co-solvent. <i>Journal of Supercritical Fluids</i> , 2016, 110, 39-46.	1.6	15
12	Measurement of wax appearance temperature using RGB image analysis and FBRM. <i>Fuel</i> , 2018, 220, 264-269.	3.4	15
13	Catalyst free decarboxylative trichloromethylation of aldimines. <i>RSC Advances</i> , 2016, 6, 108530-108537.	1.7	13
14	Biodiesel Synthesis Evaluated by Using Real-Time ATR-FTIR. <i>Organic Process Research and Development</i> , 2013, 17, 127-132.	1.3	12
15	Evaluating the kinetics of the esterification of oleic acid with homo and heterogeneous catalysts using in-line real-time infrared spectroscopy and partial least squares calibration. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 123, 41-46.	1.8	10
16	Evaluation of Kinetic Parameters from the Synthesis of Triaryl Phosphates Using Reaction Calorimetry. <i>Organic Process Research and Development</i> , 2002, 6, 829-832.	1.3	9
17	A Low-Cost System Based on Image Analysis for Monitoring the Crystal Growth Process. <i>Sensors</i> , 2017, 17, 1248.	2.1	8
18	Use of a dynamic system and reflectance measurements to assess the impact of monoethylene glycol on calcium carbonate scale. <i>Journal of Petroleum Science and Engineering</i> , 2018, 165, 581-585.	2.1	8

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19	Application of Multiple Regression and Design of Experiments for Modelling the Effect of Monoethylene Glycol in the Calcium Carbonate Scaling Process. <i>Molecules</i> , 2018, 23, 860.	1.7	8
20	Evaluation of Calcium Carbonate Inhibitors Using Sintered Metal Filter in a Pressurized Dynamic System. <i>Materials</i> , 2019, 12, 1849.	1.3	8
21	Preferential incorporation of sulfate into calcite polymorphs during calcium carbonate precipitation: an experimental approach. <i>CrystEngComm</i> , 2018, 20, 2241-2244.	1.3	7
22	Application of In-Line Mid-Infrared (MIR) Spectroscopy Coupled with Calorimetry for the Determination of the Molar Enthalpy of Reaction between Ammonium Chloride and Sodium Nitrite. <i>Applied Spectroscopy</i> , 2016, 70, 531-538.	1.2	6
23	Determination of kinetic parameters and Hammett ρ from the synthesis of triaryl phosphites using reaction calorimetry. <i>Thermochimica Acta</i> , 2005, 428, 101-104.	1.2	5
24	Kinetic Modeling of a Heat Generator for the Fluidization of Paraffin Deposits Using In-line Infrared Spectroscopy with the Development of a Graphical User Interface. <i>Energy & Fuels</i> , 2016, 30, 3660-3665.	2.5	5
25	ONE-POT SYNTHESIS OF TRIARYL PHOSPHATES A REACTION CALORIMETRY APPROACH. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1997, 131, 71-82.	0.8	4
26	AB-INITIO CALCULATIONS OF ³¹ P NMR CHEMICAL SHIFTS OF SUBSTITUTED ARYL DIALKYL PHOSPHATES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2001, 170, 233-246.	0.8	4
27	Design of Experiments on the Transesterification of tris(p-nitrophenyl) Phosphate with Sodium Methoxide. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 389-395.	0.8	4
28	A Comparison between Continuous and Batch Processes to Capture Aldehydes and Ketones by Using a Scavenger Resin. <i>Organic Process Research and Development</i> , 2017, 21, 1794-1800.	1.3	4
29	Real-Time Measurement of pH in Atmospheric and Pressurized Systems Using a Low-Cost Image Analysis Method. <i>IEEE Sensors Journal</i> , 2019, 19, 10991-10998.	2.4	4
30	Kinetic Modeling of Maleic Acid Isomerization to Fumaric Acid Catalyzed by Thiourea Determined by Attenuated Total Reflectance Fourier-Transform Infrared Spectroscopy. <i>Organic Process Research and Development</i> , 2020, 24, 988-996.	1.3	4
31	Synthesis of Asymmetric Peptide Mimetic Compounds Containing Tartaric Acid Core. Potential Inhibitors of HIV-1 Protease. <i>Letters in Organic Chemistry</i> , 2007, 4, 168-171.	0.2	3
32	Study of the Effect of Monoethylene Glycol MEG on the Precipitation of Calcium Carbonate in a Pressurized Dynamic System. , 2017, , .		3
33	Laser beam backscattering as a new tool to study the effect of inhibitors on shale particles-water interactions: A real-time analysis. <i>Applied Clay Science</i> , 2017, 150, 89-97.	2.6	3
34	Effects of Solvent Polarity on the Reaction of Aldehydes and Ketones with a Hydrazide-Bound Scavenger Resin. <i>ACS Omega</i> , 2019, 4, 13530-13537.	1.6	3
35	Controlling Nitrogen Oxide (NO _x) Emissions from Exothermic Nitrogen Generation Systems for Application in Subsea Environments. <i>ACS Omega</i> , 2019, 4, 21985-21992.	1.6	3
36	Programmable actuator based on RGB monitoring for detection and dissociation of gas hydrates. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 84, 103696.	2.1	3

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37	Enhancing the permeability of a carbonate rock core by dissolution/precipitation treatment with organophosphorus additives evaluated by SEM/EDS and ICP-OES. <i>Journal of Petroleum Science and Engineering</i> , 2020, 193, 107341.	2.1	3
38	Development of Artificial Neural Network Models for the Simulation of a CaCO ₃ Scale Formation Process in the Presence of Monoethylene Glycol (MEG) in Dynamic Tube Blocking Test Equipment. <i>Energy & Fuels</i> , 2022, 36, 2288-2299.	2.5	3
39	Production of a low-cost scavenger resin to capture aldehydes and ketones in solutions. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	2
40	Prediction of Calcium Carbonate Scaling in Pipes Using Artificial Neural Networks. , 2017, , .		2
41	A Comparison between Kinetic Parameters from the Synthesis of Tris(p-nitrophenyl)phosphite and Tris(p-nitrophenyl)phosphate Using Reaction Calorimetry. <i>Organic Process Research and Development</i> , 2003, 7, 954-956.	1.3	1
42	Evaluating the Effect of the Antimony Pentachloride Feed Rate to Ensure Safer Conditions During the Synthesis of Meglumine Antimoniate. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6578-6582.	1.8	1
43	Catalytic activity of niobium phosphate in the benzylation of anisole with styrene, benzyl alcohol and benzyl chloride. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 1081-1094.	0.8	1
44	Inferring kinetic dissolution of NaCl in aqueous glycol solution using a low-cost apparatus and population balance model. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 2435-2450.	0.9	0