

Cristiane Assumpção Henriques

List of Publications by Year in descending order

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60
papers

1,749
citations

236833

25
h-index

289141

40
g-index

61
all docs

61
docs citations

61
times ranked

2259
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic modeling and equilibrium studies during cadmium biosorption by dead <i>Sargassum</i> sp. biomass. <i>Bioresource Technology</i> , 2004, 91, 249-257.	4.8	234
2	Sorption and desorption of Pb ²⁺ ions by dead <i>Sargassum</i> sp. biomass. <i>Biochemical Engineering Journal</i> , 2006, 27, 310-314.	1.8	139
3	Transesterification of soybean oil with methanol catalyzed by basic solids. <i>Catalysis Today</i> , 2008, 133-135, 548-554.	2.2	115
4	Competitive biosorption of cadmium(II) and zinc(II) ions from binary systems by <i>Sargassum filipendula</i> . <i>Bioresource Technology</i> , 2010, 101, 5104-5111.	4.8	91
5	Petrochemical feedstock from pyrolysis of waste polyethylene and polypropylene using different catalysts. <i>Fuel</i> , 2018, 215, 515-521.	3.4	65
6	Hydrotalcites as precursors for Mg,Al-mixed oxides used as catalysts on the aldol condensation of citral with acetone. <i>Applied Catalysis A: General</i> , 2004, 272, 229-240.	2.2	58
7	Acid zeolites for glycerol etherification with ethyl alcohol: Catalytic activity and catalyst properties. <i>Applied Catalysis A: General</i> , 2017, 548, 2-15.	2.2	52
8	Condensation of glyceraldehyde acetonide with ethyl acetoacetate over Mg,Al-mixed oxides derived from hydrotalcites. <i>Microporous and Mesoporous Materials</i> , 2008, 107, 23-30.	2.2	50
9	Ethanol conversion into olefins and aromatics over HZSM-5 zeolite: Influence of reaction conditions and surface reaction studies. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 266-274.	4.8	46
10	On the stability of MCM-41 after ion-exchange and impregnation with cesium species in basic media. <i>Microporous and Mesoporous Materials</i> , 2000, 41, 137-148.	2.2	43
11	Application of ferrierite zeolite in high-olefin catalytic cracking. <i>Fuel</i> , 2013, 107, 680-687.	3.4	43
12	Synthesis, characterization and evaluation of CeO ₂ /Mg,Al-mixed oxides as catalysts for SO _x removal. <i>Journal of Molecular Catalysis A</i> , 2005, 241, 184-193.	4.8	41
13	Influence of Ni content on physico-chemical characteristics of Ni, Mg, Al-Hydrotalcite like compounds. <i>Materials Research</i> , 2003, 6, 563-568.	0.6	40
14	An evaluation of copper biosorption by a brown seaweed under optimized conditions. <i>Electronic Journal of Biotechnology</i> , 2003, 6, .	1.2	38
15	The kinetics of gibbsite dissolution in NaOH. <i>Hydrometallurgy</i> , 2009, 96, 6-13.	1.8	37
16	Bio-oil hydrotreating using nickel phosphides supported on carbon-covered alumina. <i>Fuel</i> , 2019, 241, 686-694.	3.4	36
17	DeSO _x additives based on mixed oxides derived from Mg,Al-hydrotalcite-like compounds containing Fe, Cu, Co or Cr. <i>Catalysis Today</i> , 2008, 133-135, 534-540.	2.2	34
18	Degradation of Polypropylene and Polyethylene Wastes Over HZSM-5 and USY Zeolites. <i>Catalysis Letters</i> , 2019, 149, 798-812.	1.4	31

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19	Stability of Ni and Rh–Ni catalysts derived from hydrotalcite-like precursors for the partial oxidation of methane. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5616-5626.	3.8	29
20	Bis(cyclopentadienyl)zirconium dichloride supported on zeolites for ethylene polymerization. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 3709-3717.	1.1	28
21	Hydrogen production from ethylene glycol reforming catalyzed by Ni and Ni–Pt hydrotalcite-derived catalysts. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 22000-22008.	3.8	28
22	Influence of thermal treatments on the basic and catalytic properties of Mg,Al-mixed oxides derived from hydrotalcites. <i>Brazilian Journal of Chemical Engineering</i> , 2004, 21, 193-202.	0.7	27
23	Zn,Al-catalysts for heterogeneous biodiesel production: Basicity and process optimization. <i>Energy</i> , 2014, 75, 453-462.	4.5	27
24	Characterization of the Coke Formed During o-Xylene Isomerization over Mordenites at Various Temperatures. <i>Journal of Catalysis</i> , 1997, 172, 436-445.	3.1	26
25	Silica–alumina impregnated with cerium, nickel, and molybdenum oxides for adsorption of sulfur and nitrogen compounds from diesel. <i>Materials Letters</i> , 2012, 83, 158-160.	1.3	26
26	Influence of the Chemical Composition of Silica–Alumina Adsorbents in Sulfur and Nitrogen Compounds Removal from Hydrotreated Diesel. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16000-16014.	1.8	26
27	Influence of thermal treatment conditions on the characteristics of Cu-based metal oxides derived from hydrotalcite-like compounds and their performance in bio-ethanol dehydrogenation to acetaldehyde. <i>Catalysis Today</i> , 2018, 306, 111-120.	2.2	26
28	Mn/Mg/Al-spinels as catalysts for SO abatement. <i>Catalysis Today</i> , 2010, 149, 309-315.	2.2	25
29	High Surface Area Mn,Mg,Al-Spinels as Catalyst Additives for SO _x Abatement in Fluid Catalytic Cracking Units. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 1252-1258.	1.8	21
30	Copper-based Catalysts for Synthesis of Methylamines: The Effect of the Metal and the Role of the Support. <i>Catalysis Letters</i> , 2005, 104, 111-119.	1.4	19
31	Influence of basic properties of Mg,Al-mixed oxides on their catalytic activity in Knoevenagel condensation between benzaldehyde and phenylsulfonylethanone. <i>Quimica Nova</i> , 2009, 32, .	0.3	16
32	Biosorption of lead by the brown seaweed <i>Sargassum filipendula</i> - batch and continuous pilot studies. <i>Electronic Journal of Biotechnology</i> , 2007, 10, 0-0.	1.2	16
33	Conversion of natural gas to higher valued products: light olefins production from methanol over ZSM-5 zeolites. <i>Studies in Surface Science and Catalysis</i> , 2007, , 255-260.	1.5	15
34	Electron Paramagnetic Resonance and Atomic Absorption Spectrometry as tools for the investigation of Cu(II) biosorption by <i>Sargassum filipendula</i> . <i>Hydrometallurgy</i> , 2007, 86, 105-113.	1.8	15
35	Synthesis of Zn,La-catalysts for biodiesel production from edible and acid soybean oil. <i>Renewable Energy</i> , 2016, 99, 543-552.	4.3	15
36	Ethylene Conversion into Propylene and Aromatics on HZSM-5: Insights on Reaction Routes and Water Influence. <i>Catalysis Letters</i> , 2020, 150, 738-752.	1.4	15

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37	Ethylene polymerization with Cp ₂ ZrCl ₂ supported on dealuminated Y zeolite. Polymer Bulletin, 1997, 39, 567-571.	1.7	13
38	Enzymatic fatty acid ethyl esters synthesis using acid soybean oil and liquid lipase formulation. Chemical Engineering Communications, 2020, 207, 43-55.	1.5	13
39	Study of the activity and selectivity of PtCZ and PtCZBa model catalysts in the reduction of NO by CO. Chemical Engineering Journal, 2013, 223, 239-245.	6.6	12
40	Preparation, basic properties and catalytic activity of Mg/La and Al/La catalysts for biodiesel production from refined and acid soybean oil. Journal of Molecular Catalysis A, 2016, 422, 234-247.	4.8	12
41	Etherification of different glycols with ethanol or 1-octanol catalyzed by acid zeolites. Molecular Catalysis, 2018, 458, 261-271.	1.0	10
42	Ni-containing mixed oxides as catalysts for the one-step synthesis of methyl-isobutyl-ketone (MIBK) from acetone. Comptes Rendus Chimie, 2009, 12, 1296-1304.	0.2	9
43	Biocatalytic esterification of fatty acids using a low-cost fermented solid from solid-state fermentation with Yarrowia lipolytica. 3 Biotech, 2019, 9, 38.	1.1	9
44	Condensation of glyceraldehyde acetonide and acetone over basic catalysts. Catalysis Today, 2005, 107-108, 294-301.	2.2	8
45	Propylene and aromatics from ethylene conversion over ZSM-5: Effect of zeolite composition. Catalysis Today, 2021, 381, 108-117.	2.2	8
46	Influence of sulphiding temperature on Ni-Mo/Al ₂ O ₃ catalyst for hydrodenitrogenation. Catalysis Today, 1989, 5, 443-450.	2.2	7
47	Influence of the Incorporation of Transition Metals on the Basicity of Mg,Al-Mixed Oxides and on Their Catalytic Properties for Transesterification of Vegetable Oils. Journal of Catalysts, 2013, 2013, 1-10.	0.5	7
48	ENZYMATIC BIODIESEL SYNTHESIS FROM ACID OIL USING A LIPASE MIXTURE. Quimica Nova, 0, , .	0.3	7
49	Batch and fixed-bed column biosorption of manganese ion by Sargassum filipendula. Electronic Journal of Biotechnology, 2011, 14, .	1.2	6
50	Esterification of high acidity vegetable oil catalyzed by tin-based catalysts with different sulfate contents: contribution of homogeneous catalysis. Chemical Engineering Communications, 2019, 206, 169-181.	1.5	6
51	Comparative Study of Ion-Exchange and Biosorption Processes for the Removal of Cd ²⁺ and Zn ²⁺ Ions from Aqueous Effluents. Adsorption Science and Technology, 2007, 25, 661-671.	1.5	5
52	Use of activated carbon obtained from sugarcane straw for PAH adsorption - a comparative study with commercial materials. Environmental Technology (United Kingdom), 2022, 43, 861-875.	1.2	5
53	Geração de mesoporos em zeólitas ZSM-5 e seus efeitos na conversão do etanol em olefinas. Quimica Nova, 2012, 35, 1554-1559.	0.3	4
54	A green synthesis of α,β -unsaturated carbonyl compounds from glyceraldehyde acetonide. Quimica Nova, 2011, 34, 617-620.	0.3	3

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55	Prediction of fatty methyl esters and physical properties of soybean oil/biodiesel blends from near and mid-infrared spectra using the data fusion strategy. <i>Analytical Methods</i> , 2017, 9, 4808-4818.	1.3	3
56	SnSO ₄ as Catalyst for Simultaneous Transesterification and Esterification of Acid Soybean Oil. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	2
57	Identification of Ethyl and t-Butyl Glyceryl Ethers Using Gas Chromatography Coupled with Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	2
58	Methanol-to-olefin conversion over ZSM-5: influence of zeolite chemical composition and experimental conditions on propylene formation. <i>Chemical Engineering Communications</i> , 0, , 1-13.	1.5	2
59	Efeito da composição das correntes do conversor das unidades de FCC no desempenho catalítico de aditivos DESOx. <i>Química Nova</i> , 2009, 32, 38-44.	0.3	2
60	Polyethylene Synthesis Catalyzed By Cp ₂ ZrCl ₂ Supported On Mordenites With Different Physico-Chemical Properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 312-317.	0.3	1