

Silvia C L Dias

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63

papers

1,833

citations

25

h-index

41

g-index

66

ext. papers

1,986

ext. citations

4.5

avg, IF

4.42

L-index

#	Paper	IF	Citations
63	Esterification of oleic acid with ethanol by 12-tungstophosphoric acid supported on zirconia?. <i>Applied Catalysis A: General</i> , 2010 , 372, 153-161	5.1	151
62	Comparative adsorption studies of indigo carmine dye on chitin and chitosan. <i>Journal of Colloid and Interface Science</i> , 2004 , 277, 43-7	9.3	137
61	FT-Raman Spectroscopy Quantification of Biodiesel in a Progressive Soybean Oil Transesterification Reaction and Its Correlation with ¹ H NMR Spectroscopy Methods. <i>Energy & Fuels</i> , 2007 , 21, 2475-2480	4.1	93
60	Effects of cesium ion exchange on acidity of 12-tungstophosphoric acid. <i>Microporous and Mesoporous Materials</i> , 2004 , 76, 221-232	5.3	85
59	Calorimetric and Spectroscopic Investigation of the Acidity of HZSM-5. <i>Journal of the American Chemical Society</i> , 1997 , 119, 4444-4452	16.4	71
58	Catalyst Materials Based on Nb ₂ O ₅ Supported on SiO ₂ /Al ₂ O ₃ : Preparation and Structural Characterization. <i>Chemistry of Materials</i> , 2005 , 17, 690-695	9.6	71
57	Structural effects of WO ₃ incorporation on USY zeolite and application to free fatty acids esterification. <i>Microporous and Mesoporous Materials</i> , 2012 , 147, 142-148	5.3	69
56	Preparation and characterization of supported H ₃ PW ₁₂ O ₄₀ on silica gel: a potential catalyst for green chemistry processes. <i>Catalysis Today</i> , 2003 , 85, 39-48	5.3	69
55	Acidity and Hydrophobicity of TS-1. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 1508-1514	3.4	68
54	Immobilization of Fe, Mn and Co tetraphenylporphyrin complexes in MCM-41 and their catalytic activity in cyclohexene oxidation reaction by hydrogen peroxide. <i>Journal of Molecular Catalysis A</i> , 2008 , 282, 149-157		63
53	Effects of preparation and structure of cerium-zirconium mixed oxides on diesel soot catalytic combustion. <i>Applied Catalysis A: General</i> , 2012 , 413-414, 292-300	5.1	61
52	Synthesis, characterization and reactivity of Lewis acid/surfactant cerium trisdodecylsulfate catalyst for transesterification and esterification reactions. <i>Applied Catalysis A: General</i> , 2009 , 355, 139-147	5.1	61
51	Mixed salts of cesium and ammonium derivatives of 12-tungstophosphoric acid: Synthesis and structural characterization. <i>Applied Catalysis A: General</i> , 2011 , 394, 138-148	5.1	47
50	Solvent effect on the preparation of H ₃ PW ₁₂ O ₄₀ supported on alumina. <i>Catalysis Today</i> , 2005 , 107-108, 816-825	5.3	42
49	Preparation and characterization of H ₃ PW ₁₂ O ₄₀ supported on niobia. <i>Microporous and Mesoporous Materials</i> , 2010 , 132, 103-111	5.3	40
48	Application of raman spectroscopy to monitor and quantify ethyl esters in soybean oil transesterification. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2006 , 83, 597-601	1.8	39
47	Solid-state dealumination of zeolites for use as catalysts in alcohol dehydration. <i>Microporous and Mesoporous Materials</i> , 2015 , 204, 50-57	5.3	38

46	Copper oxide and niobium pentoxide supported on silica-alumina: Synthesis, characterization, and application on diesel soot oxidation. <i>Journal of Catalysis</i> , 2007 , 247, 68-77	7.3	35
45	Investigation of biodiesel production by HUSY and Ce/HUSY zeolites: Influence of structural and acidity parameters. <i>Applied Catalysis A: General</i> , 2013 , 450, 114-119	5.1	33
44	Intramolecular cyclization of (+)-citronellal using supported 12-tungstophosphoric acid on MCM-41. <i>Journal of Molecular Catalysis A</i> , 2012 , 358, 99-105		29
43	Effects of niobium addition on ZSM-5 studied by thermal and spectroscopy methods. <i>Microporous and Mesoporous Materials</i> , 2008 , 109, 485-493	5.3	29
42	Tuning the Biginelli reaction mechanism by the ionic liquid effect: the combined role of supported heteropolyacid derivatives and acidic strength.. <i>RSC Advances</i> , 2019 , 9, 27125-27135	3.7	27
41	Liquid phase calorimetric-adsorption analysis of Si-MCM-41: Evidence of strong hydrogen-bonding sites. <i>Microporous and Mesoporous Materials</i> , 2011 , 139, 74-80	5.3	27
40	Investigation of pyridine sorption in USY and Ce/USY zeolites by liquid phase microcalorimetry and thermogravimetry studies. <i>Microporous and Mesoporous Materials</i> , 2007 , 100, 27-34	5.3	25
39	Esterification of acetic acid with alcohols using supported niobium pentoxide on silicaalumina catalysts. <i>Catalysis Today</i> , 2008 , 133-135, 106-112	5.3	25
38	Calorimetric studies of the association of chitin and chitosan with sodium dodecyl sulfate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 35, 23-7	6	25
37	Acidity measurements of zeolite Y by adsorption of several probes. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 5574	3.6	24
36	Dehydration of 1-propanol using H3PW12O40 as catalyst. <i>Dalton Transactions RSC</i> , 2001 , 228-231		24
35	Effects of silica coating on the magnetic properties of magnetite nanoparticles. <i>Surfaces and Interfaces</i> , 2019 , 14, 34-43	4.1	23
34	Multiple adsorption process description of zeolite mordenite acidity. <i>Microporous and Mesoporous Materials</i> , 2004 , 72, 119-125	5.3	22
33	Ethylene production via catalytic ethanol dehydration by 12-tungstophosphoric acid@ceria-zirconia. <i>Fuel</i> , 2019 , 239, 491-501	7.1	20
32	Acidic characterization and activity of (NH4)xCs2.5W0.5PW12O40 catalysts in the esterification reaction of oleic acid with ethanol. <i>Applied Catalysis A: General</i> , 2012 , 443-444, 33-39	5.1	19
31	Benzene transalkylation with C9+ aromatics over supported 12-tungstophosphoric acid on silica catalysts. <i>Applied Catalysis A: General</i> , 2007 , 328, 189-194	5.1	19
30	Comparison of BEA, USY and ZSM-5 for the quantitative extraction of polycyclic aromatic hydrocarbons from water samples. <i>Microporous and Mesoporous Materials</i> , 2012 , 149, 186-192	5.3	18
29	Liquid phase calorimetry and adsorption analyses of zeolite beta acidity. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1584-92	3.6	18

28	Lewis acid/surfactant rare earth trisdodecylsulfate catalysts for biodiesel production from waste cooking oil. <i>Applied Catalysis A: General</i> , 2012 , 423-424, 1-6	5.1	17
27	Phase transition in niobium pentoxide supported on silica-alumina. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 92, 851-855	4.1	17
26	Generation and characterization of catalytically active sites of heteropolyacids on zeolite Y for liquid-phase esterification. <i>Catalysis Today</i> , 2017 , 289, 70-77	5.3	16
25	Effect of cerium loading on structure and morphology of modified Ce-USY zeolites. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 1894-1902	1.5	13
24	Acidic Characterization of Copper Oxide and Niobium Pentoxide Supported on Silica-Alumina. <i>Catalysis Letters</i> , 2007 , 119, 101-107	2.8	12
23	Comparative acidity of BEA and Y zeolite composites with 12-tungstophosphoric and 12-tungstosilicic acids. <i>Molecular Catalysis</i> , 2018 , 458, 152-160	3.3	11
22	Analytical evaluation of BEA zeolite for the pre-concentration of polycyclic aromatic hydrocarbons and their subsequent chromatographic analysis in water samples. <i>Analytica Chimica Acta</i> , 2012 , 733, 103-9	6.6	10
21	Synthesis of poly(lactic acid) by heterogeneous acid catalysis from d,l-lactic acid. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	9
20	A escolha da faixa espectral no uso combinado de métodos espectroscópicos e quimiométricos. <i>Química Nova</i> , 2004 , 27, 218-225	1.6	9
19	Effects of the dealumination methodology on the FER zeolite acidity: A study with fractional factorial design. <i>Molecular Catalysis</i> , 2018 , 458, 139-144	3.3	8
18	Pre-concentration of water samples with BEA zeolite for the direct determination of polycyclic aromatic hydrocarbons with laser-excited time-resolved Shpol'skii spectroscopy. <i>Microchemical Journal</i> , 2013 , 110, 246-255	4.8	8
17	Characterization of ZSM-5 modified with niobium pentoxide: the study of thiophene adsorption. <i>Journal of the Brazilian Chemical Society</i> , 2013 , 24, 40-50	1.5	8
16	Stability studies of ZSM-5/polystyrene and Y/polystyrene composites. <i>Polymer Degradation and Stability</i> , 2005 , 87, 153-160	4.7	8
15	Preparation of PLA blends by polycondensation of D,L-lactic acid using supported 12-tungstophosphoric acid as a heterogeneous catalyst. <i>Heliyon</i> , 2019 , 5, e01810	3.6	7
14	Synthesis and characterization of CuO/Nb ₂ O ₅ /MCM-41 for the catalytic oxidation of diesel soot. <i>Microporous and Mesoporous Materials</i> , 2008 , 113, 562-574	5.3	6
13	Acidity and Characterization of 12-Tungstophosphoric Acid Supported on Silica-Alumina. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	6
12	A thermodynamic analysis of the Calad method with respect to gas-solid calorimetry. <i>Microporous and Mesoporous Materials</i> , 1999 , 31, 205-209	5.3	4
11	Produção de biodiesel via transesterificação etéica com zeólitas básicas. <i>Química Nova</i> , 2012 , 35, 119-123	1.6	4

10	Keggin Structure Polyoxometalates. <i>Inorganic Syntheses</i> , 2014 , 210-217		3
9	Catalytic Transformation Conditions of Ethanol on Dealuminated BEA Zeolites. <i>Journal of the Brazilian Chemical Society</i> , 2019 ,	1.5	2
8	Accessibility and strength of H-acceptor hydroxyls of ordered mesoporous silicas probed by pyridine donor. <i>Journal of Porous Materials</i> , 2021 , 28, 323-335	2.4	2
7	Niobium on BEA Dealuminated Zeolite for High Selectivity Dehydration Reactions of Ethanol and Xylose into Diethyl Ether and Furfural. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
6	Dehydration of Fructose to 5-Hydroxymethylfurfural: Effects of Acidity and Porosity of Different Catalysts in the Conversion, Selectivity, and Yield. <i>Chemistry</i> , 2021 , 3, 1189-1202	2.1	1
5	Cerium-zirconium mixed oxide nanostructures for diesel soot oxidation: synthesis and effect of structure.. <i>RSC Advances</i> , 2020 , 10, 27428-27438	3.7	1
4	Cerium/zirconium mixed oxide synthesized by sol-gel method and its effect on the oxygen vacancy and specific surface area. <i>Journal of Solid State Chemistry</i> , 2021 , 307, 122752	3.3	0
3	Pt Electrocatalyst Prepared by Hydrothermal Reduction onto the Gas Diffusion Layer for High-Temperature Formic Acid and Ethanol Fuel PEMFC. <i>Catalysts</i> , 2021 , 11, 1246	4	0
2	Indirect determination of dichlorodiphenyltrichloroethane (DDT) after dechlorination with magnesium/palladium bimetallic particles and potentiometric measurements. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010 , 84, 574-6	2.7	
1	Effect of Acidity, Structure, and Stability of Supported 12-Tungstophosphoric Acid on Catalytic Reactions 2013 , 165-187		