

Silvia C L Dias

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4000689/silvia-c-l-dias-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	Catalytic Transformation Conditions of Ethanol on Dealuminated BEA Zeolites. <i>Journal of the Brazilian Chemical Society</i> , 2019 ,	1.5	2
54	Effects of silica coating on the magnetic properties of magnetite nanoparticles. <i>Surfaces and Interfaces</i> , 2019 , 14, 34-43	4.1	23
53	Ethylene production via catalytic ethanol dehydration by 12-tungstophosphoric acid@ceria-zirconia. <i>Fuel</i> , 2019 , 239, 491-501	7.1	20
52	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
51	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
50	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
49	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
48	Acidity and Characterization of 12-Tungstophosphoric Acid Supported on Silica-Alumina. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	6
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	Keggin Structure Polyoxometalates. <i>Inorganic Syntheses</i> , 2014 , 210-217		3
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	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
43	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
42	Effect of Acidity, Structure, and Stability of Supported 12-Tungstophosphoric Acid on Catalytic Reactions 2013 , 165-187		
41	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
40	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
39	Intramolecular cyclization of (+)-citronellal using supported 12-tungstophosphoric acid on MCM-41. <i>Journal of Molecular Catalysis A</i> , 2012 , 358, 99-105		29
38	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
37	Acidic characterization and activity of (NH ₄) _x Cs _{2.5-x} H _{0.5} PW ₁₂ O ₄₀ catalysts in the esterification reaction of oleic acid with ethanol. <i>Applied Catalysis A: General</i> , 2012 , 443-444, 33-39	5.1	19
36	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
35	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
34	Produção de biodiesel via transesterificação etélica com zeólitas básicas. <i>Química Nova</i> , 2012 , 35, 119-123	1.6	4
33	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
32	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
31	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
30	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	
29	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

28	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
27	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
26	Liquid phase calorimetry and adsorption analyses of zeolite beta acidity. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1584-92	3.6	18
25	Phase transition in niobium pentoxide supported on silica-alumina. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 92, 851-855	4.1	17
24	Esterification of acetic acid with alcohols using supported niobium pentoxide on silica-alumina catalysts. <i>Catalysis Today</i> , 2008 , 133-135, 106-112	5.3	25
23	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
22	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
21	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
20	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
19	Benzene transalkylation with C ₉ + aromatics over supported 12-tungstophosphoric acid on silica catalysts. <i>Applied Catalysis A: General</i> , 2007 , 328, 189-194	5.1	19
18	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
17	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
16	Acidic Characterization of Copper Oxide and Niobium Pentoxide Supported on Silica-Alumina. <i>Catalysis Letters</i> , 2007 , 119, 101-107	2.8	12
15	Application of raman spectroscopy to monitor and quantify ethyl esters in soybean oil transesterification. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2006 , 83, 597-601	1.8	39
14	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
13	Stability studies of ZSM-5/polystyrene and Y/polystyrene composites. <i>Polymer Degradation and Stability</i> , 2005 , 87, 153-160	4.7	8
12	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
11	Multiple adsorption process description of zeolite mordenite acidity. <i>Microporous and Mesoporous Materials</i> , 2004 , 72, 119-125	5.3	22

10	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
9	Effects of cesium ion exchange on acidity of 12-tungstophosphoric acid. <i>Microporous and Mesoporous Materials</i> , 2004 , 76, 221-232	5.3	85
8	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
7	A escolha da faixa espectral no uso combinado de métodos espectroscópicos e quimiométricos. <i>Química Nova</i> , 2004 , 27, 218-225	1.6	9
6	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
5	Acidity measurements of zeolite Y by adsorption of several probes. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 5574	3.6	24
4	Dehydration of 1-propanol using H ₃ PW ₁₂ O ₄₀ as catalyst. <i>Dalton Transactions RSC</i> , 2001 , 228-231		24
3	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
2	Acidity and Hydrophobicity of TS-1. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 1508-1514	3.4	68
1	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