Leandro Martins

List of Publications by Year
in descending order

66 papers	1,537 citations	279798 23 h-index	345221 36 g-index
67 all docs	67 docs citations	67 times ranked	1797 citing authors

#	Article	IF	Citations
1	A comparative study of glycerol dehydration catalyzed by micro/mesoporous MFI zeolites. Journal of Catalysis, 2013, 300, 102-112.	6.2	131
2	Multivariate curve resolution analysis applied to time-resolved synchrotron X-ray Absorption Spectroscopy monitoring of the activation of copper alumina catalyst. Catalysis Today, 2014, 229, 114-122.	4.4	108
3	Preparation of different basic Siâ€"MCM-41 catalysts and application in the Knoevenagel and Claisenâ€"Schmidt condensation reactions. Journal of Catalysis, 2010, 271, 220-227.	6.2	69
4	One-step glycerol oxidehydration to acrylic acid on multifunctional zeolite catalysts. Applied Catalysis A: General, 2015, 492, 243-251.	4.3	66
5	Surfactant containing Si-MCM-41: An efficient basic catalyst for the Knoevenagel condensation. Applied Catalysis A: General, 2006, 312, 77-85.	4.3	63
6	Glycerol dehydration catalyzed by MWW zeolites and the changes in the catalyst deactivation caused by porosity modification. Applied Catalysis A: General, 2015, 495, 84-91.	4.3	52
7	Effect of the balance between Co(II) and Co(0) oxidation states on the catalytic activity of cobalt catalysts for Ethanol Steam Reforming. Catalysis Today, 2014, 229, 88-94.	4.4	50
8	Influence of surfactant chain length on basic catalytic properties of Si-MCM-41. Microporous and Mesoporous Materials, 2007, 106, 8-16.	4.4	48
9	Effects of crystal size, acidity, and synthesis procedure on the catalytic performance of gallium and aluminum MFI zeolites in glycerol dehydration. Journal of Molecular Catalysis A, 2016, 422, 148-157.	4.8	48
10	Correlation between Structural and Catalytic Properties of Copper Supported on Porous Alumina for the Ethanol Dehydrogenation Reaction. ChemCatChem, 2015, 7, 1668-1677.	3.7	46
11	Basic catalyzed Knoevenagel condensation by FAU zeolites exchanged with alkylammonium cations. Catalysis Today, 2008, 133-135, 706-710.	4.4	44
12	Preparation of hierarchically structured porous aluminas by a dual soft template method. Microporous and Mesoporous Materials, 2010, 132, 268-275.	4.4	36
13	The multiple benefits of glycerol conversion to acrolein and acrylic acid catalyzed by vanadium oxides supported on micro-mesoporous MFI zeolites. Catalysis Today, 2017, 289, 20-28.	4.4	35
14	Ion exchange and catalytic properties of methylammonium FAU zeolite. Microporous and Mesoporous Materials, 2007, 98, 166-173.	4.4	33
15	Methylammonium-FAU zeolite: Investigation of the basic sites in base catalyzed reactions and its performance. Journal of Catalysis, 2008, 258, 14-24.	6.2	33
16	One-step oxidehydration of glycerol to acrylic acid using ETS-10-like vanadosilicates. Microporous and Mesoporous Materials, 2016, 232, 151-160.	4.4	32
17	Acidic V-MCM-41 catalysts for the liquid-phase ketalization of glycerol with acetone. Microporous and Mesoporous Materials, 2019, 273, 219-225.	4.4	31
18	Basic catalytic properties of as-synthesized molecular sieves. Microporous and Mesoporous Materials, 2009, 120, 206-213.	4.4	30

#	Article	IF	Citations
19	Efficiency of ethanol conversion induced by controlled modification of pore structure and acidic properties of alumina catalysts. Applied Catalysis A: General, 2011, 398, 59-65.	4.3	28
20	Time-resolved XAS/MS/Raman monitoring of mutual copper self-reduction and ethanol dehydrogenation reactions. RSC Advances, 2016, 6, 20453-20457.	3.6	28
21	Thermal treatments of precursors of molybdenum and vanadium oxides and the formed Mo x V y O z phases active in the oxydehydration of glycerol. Applied Catalysis A: General, 2017, 532, 1-11.	4.3	27
22	Studies on dispersion and reactivity of vanadium oxides deposited on lamellar ferrierite zeolites for condensation of glycerol into bulky products. Molecular Catalysis, 2018, 458, 161-170.	2.0	25
23	Ethanol condensation at elevated pressure over copper on AlMgO and AlCaO porous mixed-oxide supports. Catalysis Science and Technology, 2019, 9, 2032-2042.	4.1	25
24	Hydrothermal synthesis of Mo-V mixed oxides possessing several crystalline phases and their performance in the catalytic oxydehydration of glycerol to acrylic acid. Catalysis Today, 2017, 296, 10-18.	4.4	24
25	AplicaÃ§Ã£o catalÃtica de peneiras moleculares bÃ¡sicas micro e mesoporosas. Quimica Nova, 2006, 29, 358-364.	0.3	23
26	Design of microstructure of zirconia foams from the emulsion template properties. Soft Matter, 2013, 9, 550-558.	2.7	23
27	Correlation of Solâ€“Gel Aluminaâ€Supported Cobalt Catalyst Processing to Cobalt Speciation, Ethanol Steam Reforming Activity, and Stability. ChemCatChem, 2017, 9, 3918-3929.	3.7	21
28	Sol-gel synthesis of nanocrystalline MgO and its application as support in Ni/MgO catalysts for ethanol steam reforming. Applied Surface Science, 2021, 542, 148744.	6.1	21
29	Insights into the Preparation of Copper Catalysts Supported on Layered Double Hydroxide Derived Mixed Oxides for Ethanol Dehydrogenation. ACS Applied Materials & Interfaces, 2021, 13, 26001-26012.	8.0	19
30	Secondary crystallization of SBA-15 pore walls into microporous material with MFI structure. Catalysis Today, 2005, 107-108, 759-767.	4.4	18
31	Catalytic hydrogenation of dihydrolevoglucosenone to levoglucosanol with a hydrotalcite/mixed oxide copper catalyst. Green Chemistry, 2019, 21, 5000-5007.	9.0	18
32	<i>Operando</i> XAS/Raman/MS monitoring of ethanol steam reforming reactionâ€“regeneration cycles. Catalysis Science and Technology, 2018, 8, 6297-6301.	4.1	17
33	Organosilane-Assisted Synthesis of Hierarchical MCM-22 Zeolites for Condensation of Glycerol into Bulky Products. Crystal Growth and Design, 2019, 19, 231-241.	3.0	15
34	Evolution of Structure and Active Sites during the Synthesis of ZSM-5: From Amorphous to Fully Grown Structure. Journal of Physical Chemistry C, 2020, 124, 2439-2449.	3.1	15
35	Cu and Co exchanged ZSM-5 zeolites: activity towards no reduction and hydrocarbon oxidation. Quimica Nova, 2006, 29, 223-229.	0.3	14
36	Sulfated zirconia foams synthesized by integrative route combining surfactants, air bubbles and solâ€“gel transition applied to heterogeneous catalysis. RSC Advances, 2016, 6, 6686-6694.	3.6	14

#	Article	IF	Citations
37	Surfactant-assisted synthesis of Moâ€"V mixed oxide catalysts for upgraded one-step conversion of glycerol to acrylic acid. RSC Advances, 2018, 8, 11975-11982.	3.6	14
38	Design of hierarchical porous aluminas by using one-pot synthesis and different calcination temperatures. Journal of Sol-Gel Science and Technology, 2012, 63, 242-250.	2.4	13
39	Activation of Mo and V oxides supported on ZSM-5 zeolite catalysts followed by in situ XAS and XRD and their uses in oxydehydration of glycerol. Molecular Catalysis, 2020, 481, 110158.	2.0	13
40	Preparation of hydrophobic MFI zeolites containing hierarchical micro-mesopores using seeds functionalized with octyltriethoxysilane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124109.	4.7	12
41	Controlling the porosity and crystallinity of MgO catalysts by addition of surfactant in the sol-gel synthesis. Catalysis Today, 2020, 344, 52-58.	4.4	11
42	Hydrophobic-hydrophilic balance of ZSM-5 zeolites on the two-phase ketalization of glycerol with acetone. Catalysis Today, 2020, , .	4.4	11
43	Ethanol dehydrogenative reactions catalyzed by copper supported on porous Alâ€"Mg mixed oxides. RSC Advances, 2019, 9, 3294-3302.	3.6	10
44	Synthesis and characterization of chromium silicate catalyst and its application in the gas phase glycerol transformation into acetaldehyde. Inorganic Chemistry Communication, 2020, 112, 107710.	3.9	10
45	Progress of the Catalytic Deactivation of Hâ€ZSMâ€5 Zeolite in Glycerol Dehydration. ChemCatChem, 2021, 13, 4419-4430.	3.7	10
46	Exploring the multifunctionality and accessibility of vanadosilicates to produce acrylic acid in one-pot glycerol oxydehydration. Applied Catalysis A: General, 2020, 602, 117687.	4.3	9
47	Reduced deactivation of mechanochemically delaminated hierarchical zeolite MCM-22 catalysts during 4-propylphenol cracking. Journal of Catalysis, 2022, 411, 187-192.	6.2	9
48	Selective catalytic reduction of NO to N2 with copper and cobalt exchanged ZSM-5 zeolites: the effect of calcium addition. Journal of the Brazilian Chemical Society, 2005, 16, 589-596.	0.6	8
49	Emulsion-mediated synthesis of hierarchical mesoporous-macroporous Al-Mg hydrotalcites. Microporous and Mesoporous Materials, 2017, 240, 149-158.	4.4	8
50	Effect of different seed sources on the hydrothermal crystallization of MCM-22 zeolite catalysts. CrystEngComm, 2018, 20, 3467-3475.	2.6	8
51	CO oxidation over Co-catalysts supported on silica-titania â€" The effects of the catalyst preparation method and the amount of incorporated Ti on the formation of more active Co3+ species. Applied Catalysis A: General, 2018, 565, 152-162.	4.3	8
52	Insights into Redox Dynamics of Vanadium Species Impregnated in Layered Siliceous Zeolitic Structures during Methanol Oxidation Reactions. ChemCatChem, 2020, 12, 141-151.	3.7	8
53	elective catalytic reduction of NO with propane on V2O5/SiO2, V2O5/TiO2, and V2O5/Al2O3 catalysts obtained through the sol-gel method. Acta Scientiarum - Technology, 2013, 35, .	0.4	6
54	Structure and catalytic properties of sulfated zirconia foams. Journal of Sol-Gel Science and Technology, 2014, 72, 252-259.	2.4	6

#	Article	IF	Citations
55	Textured macro- and mesoporous alumina samples designed in the presence of different surfactant types. Journal of Sol-Gel Science and Technology, 2014, 71, 9-15.	2.4	6
56	PreparaÃ§Ã£o e propriedades de zeÃ³litas faujasita contendo cÃ¡tions amÃ´nio. Quimica Nova, 2010, 33, 1077-1081.	0.3	5
57	ProduÃ§Ã£o de etilenoglicÃ³is e derivados por reaÃ§Ãµes catalÃticas do Ã³xido de eteno. Quimica Nova, 2005, 28, 264-273.	0.3	4
58	ConstruÃ§Ã£o de uma cÃ¢mara para monitoramento in situ do processo de secagem de geis e sÃ³lidos porosos. Quimica Nova, 2011, 34, 1455-1458.	0.3	4
59	Vanadosilicate with MWW zeolite structure synthesized from VCl3 by cooperative assembly of organic templates. Microporous and Mesoporous Materials, 2019, 279, 252-261.	4.4	4
60	Catalytic performance of texturally improved Alâ€"Mg mixed oxides derived from emulsion-synthesized hydrotalcites. RSC Advances, 2018, 8, 6039-6046.	3.6	3
61	SEED-ASSISTED BEHAVIOR OF ZEOLITE CRYSTALLIZATION. Quimica Nova, 2014, , .	0.3	2
62	Porosity of CHA Zeolite Driving the Formation of Polyaromatic Coke Species in the Methanol to Olefins Reaction. Journal of the Brazilian Chemical Society, 0, , .	0.6	2
63	Basic catalysis by surfactant containing MCM-41. Studies in Surface Science and Catalysis, 2007, 165, 761-764.	1.5	1
64	ReduÃ§Ã£o catalÃtica seletiva de Ã³xidos de nitrogÃªnio sobre hematita contendo cobre. Quimica Nova, 2007, 30, 611-615.	0.3	0
65	Liquid crystals as pore template for sulfated zirconia. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 600, 124907.	4.7	0
66	Preparation and Use of Organic-Inorganic Hybrid Ion Exchangers in Catalysis. , 2012, , 453-465.		0