MichÃ¨le O De Souza

List of Publications by Year
in descending order

60	1,174	361413	434195
papers	citations	20 h-index	31 g-index

62	62	62	1486
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Disassembling diatom to MCM-22 zeolite using vapor-phase transport synthesis. Journal of Porous Materials, 2021, 28, 1-8.	2.6	7
2	Improving Nafion/zeolite nanocomposite with a $$ {mathrm{CF}}_3{mathrm{SO}}_3^{-} $$ based ionic liquid for PEMFC application. Ionics, 2021, 27, 2027-2036.	2.4	7
3	Theoretical and experimental comparative study of nonlinear properties of imidazolium cation based ionic liquids. Journal of Molecular Liquids, 2021, 328, 115391.	4.9	11
4	C10MIÂ·CF3SO3: a hydrophobic ionic liquid medium for the production of HMF from sugars avoiding the use of organic solvent. Biomass Conversion and Biorefinery, 2020, 10, 611-618.	4.6	9
5	Experimental-theoretical study of the epoxide structures effect on the CO2 conversion to cyclic carbonates catalyzed by hybrid titanate nanostructures. Journal of CO2 Utilization, 2020, 37, 20-28.	6.8	19
6	Waste to health: Ag-LTA zeolites obtained by green synthesis from diatom and rice-based residues with antitumoral activity. Microporous and Mesoporous Materials, 2020, 307, 110508.	4.4	13
7	3-Triethylammonium propane sulfonate ionic liquids for Nafion-based composite membranes for PEM fuel cells. Journal of Materials Science, 2020, 55, 6928-6941.	3.7	19
8	Modified titanate nanotubes for the production of novel aliphatic polyurethane nanocomposites. Polymer Composites, 2019, 40, 2292-2300.	4.6	6
9	Hybrid Ionic Liquidâ€“Silica Xerogels Applied in CO2 Capture. Applied Sciences (Switzerland), 2019, 9, 2614.	2.5	16
10	The influence of ionic liquids cation on the properties of sulfonated poly (ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (keto	3.8	29
11	External surface phenomena in dealumination and desilication of large single crystals of ZSM-5 zeolite synthesized from a sustainable source. Microporous and Mesoporous Materials, 2019, 286, 57-64.	4.4	44
12	Nickelâ€“zeolite composite catalysts with metal nanoparticles selectively encapsulated in the zeolite micropores. Journal of Materials Science, 2019, 54, 5399-5411.	3.7	27
13	Cation influence of new imidazolium-based ionic liquids on hydrogen production from water electrolysis. Ionics, 2019, 25, 1167-1176.	2.4	9
14	C16MI.OTf ionic liquid on Pt/C and PtMo/C anodes improves the PEMFC performance. International Journal of Hydrogen Energy, 2018, 43, 6945-6953.	7.1	6
15	Influence of graphitic materials microstructure in the hydrogen evolution in aqueous solution of tetra-alkylammonium-sulfonic acid ionic liquid. International Journal of Hydrogen Energy, 2018, 43, 1239-1250.	7.1	7
16	Fluorine substitution effect in bis(imino)pyridine cobalt complex in propylene oligomerization. Catalysis Today, 2017, 296, 272-276.	4.4	2
17	Î²-Diimine nickel complexes in BMIÂ·AlCl 4 ionic liquid: a catalytic biphasic system for propylene oligomerization. Applied Catalysis A: General, 2017, 538, 51-58.	4.3	7
18	PtNi and PtMo nanoparticles as efficient catalysts using TEA-PS.BF 4 ionic liquid as electrolyte towards HER. International Journal of Hydrogen Energy, 2017, 42, 5676-5683.	7.1	20

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19	CO2 conversion to propylene carbonate catalyzed by ionic liquid containing organosilane groups supported on titanate nanotubes/nanowires. Applied Catalysis A: General, 2017, 544, 46-54.	4.3	30
20	Assessment of Sodium Salt Anions ($$ext{SO}_{4}^{2-}$$ SO 4 2 - and $$ext{NO}_{3}^{-}$$ NO 3 -) Influence on Caffeine Partitioning in Polyethylene Glycol and 1-Butyl-3-Methylimidazolium Tetrafluoroborate Based ATPS. Journal of Solution Chemistry, 2016, 45, 1857-1878.	1.2	12
21	Alkylammonium AlPO-kanemite as support for tuning catalytic activity of metallocene: In situ preparation of polyethylene nanocomposites. Journal of Molecular Catalysis A, 2016, 422, 59-68.	4.8	5
22	Aqueous two-phase (polyethylene glycol+sodium sulfate) system for caffeine extraction: Equilibrium diagrams and partitioning study. Journal of Chemical Thermodynamics, 2016, 98, 86-94.	2.0	52
23	Physicochemical characterisation of aqueous solutions of tetra-alkyl-ammonium-sulfonic acid ionic liquid. Journal of Molecular Liquids, 2016, 215, 302-307.	4.9	8
24	Electrocatalytic activities of cathode electrodes for water electrolysis using tetra-alkyl-ammonium-sulfonic acid ionic liquid as electrolyte. Journal of Power Sources, 2015, 280, 12-17.	7.8	21
25	Mesoporous Y zeolite through ionic liquid based surfactant templating. Microporous and Mesoporous Materials, 2015, 217, 81-86.	4.4	30
26	Metallocene Supported on Inorganic Solid Supports: an Unfinished History. Journal of the Brazilian Chemical Society, 2014, , .	0.6	2
27	Synthesis of 5-Hydroxymethylfurfural from Dehydration of Fructose And Glucose Using Ionic Liquids. Journal of the Brazilian Chemical Society, 2014, , .	0.6	7
28	Influence of ionic liquids on the properties of sulfonated polymer membranes. Materials Chemistry and Physics, 2014, 148, 648-654.	4.0	11
29	Effect of Ni proportion on the performance of proton exchange membrane fuel cells using PtNi/C electrocatalysts. Ionics, 2014, 20, 381-388.	2.4	20
30	Ordered Mesoporous ZSMâ€5 Employing an Imidazoliumâ€Based Ionic Liquid. Chemistry - A European Journal, 2014, 20, 14996-14999.	3.3	11
31	Friedel-Crafts Alkylation of Toluene as a Parallel Reaction in Propylene Dimerization Catalyzed by Nickel Î²-Diimine Complex/EASC in Homogeneous Phase. Journal of the Brazilian Chemical Society, 2014, , .	0.6	2
32	Ionic Liquids and Catalysis. Journal of the Brazilian Chemical Society, 2014, , .	0.6	1
33	Hydrogen production by water electrolysis using tetra-alkyl-ammonium-sulfonic acid ionic liquid electrolytes. Journal of Power Sources, 2013, 243, 822-825.	7.8	31
34	Heterogenized nickel catalysts for propene dimerization: Support effects on activity and selectivity. Catalysis Communications, 2013, 32, 32-35.	3.3	17
35	Ethylene polymerization using metallocene catalyst supported on hybrid indenyl silica produced by solâ€“gel process. Applied Catalysis A: General, 2013, 462-463, 1-7.	4.3	4
36	Electrochemical behavior of nickel in electrolytes based on 1-n-butyl-3-methylimidazolium tetrafluoroborate ionic liquid for capacitor applications. Journal of Solid State Electrochemistry, 2012, 16, 3237-3244.	2.5	1

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37	Stability of aluminium in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid and ethylene glycol mixtures. Corrosion Science, 2011, 53, 51-58.	6.6	24
38	Polyethyleneâ€montmorillonite nanocomposites obtained by in situ polymerization of ethylene with nickelâ€diimine catalysts. Journal of Applied Polymer Science, 2011, 122, 2159-2165.	2.6	9
39	Ionic liquids in proton exchange membrane fuel cells: Efficient systems for energy generation. Journal of Power Sources, 2010, 195, 6483-6485.	7.8	35
40	Nickel oligomerization catalysts heterogenized on zeolites obtained using ionic liquids as templates. Applied Catalysis A: General, 2010, 374, 26-30.	4.3	35
41	Support effect in ethylene oligomerization mediated by heterogenized nickel catalysts. Catalysis Communications, 2010, 11, 597-600.	3.3	21
42	NiP^O and [Cp2ZrCl2/MAO] as a versatile dual-function catalyst system for in situ polymerization of ethylene to linear low-density polyethylene (LLDPE). Catalysis Communications, 2010, 11, 1094-1097.	3.3	9
43	Characterization of cobalt nanoparticles on different supports for Fischer-Tropsch synthesis. Studies in Surface Science and Catalysis, 2010, 175, 763-766.	1.5	2
44	Study of molybdenum electrodes for hydrogen evolution reaction. Journal of Power Sources, 2009, 194, 482-485.	7.8	13
45	Electrochemical behavior of aluminum in 1-n-butyl-3-methylimidazolium tetrafluoroborate ionic liquid electrolytes for capacitor applications. Journal of Applied Electrochemistry, 2009, 39, 2315-2321.	2.9	11
46	Efficiency and stability of transition metal electrocatalysts for the hydrogen evolution reaction using ionic liquids as electrolytes. International Journal of Hydrogen Energy, 2009, 34, 84-90.	7.1	27
47	Evidence of change in the molecular organization of 1-n-butyl-3-methylimidazolium tetrafluoroborate ionic liquid solutions with the addition of water. Polyhedron, 2008, 27, 3287-3293.	2.2	98
48	Molybdenum electrodes for hydrogen production by water electrolysis using ionic liquid electrolytes. Electrochemistry Communications, 2008, 10, 1673-1675.	4.7	43
49	Nickel-catalyzed propylene dimerization in organochloroaluminate ionic liquids: Control of the isomerization reaction. Journal of Molecular Catalysis A, 2007, 272, 6-10.	4.8	19
50	Electrochemical hydrogen production from water electrolysis using ionic liquid as electrolytes: Towards the best device. Journal of Power Sources, 2007, 164, 792-798.	7.8	139
51	A nano-organized ethylene oligomerization catalyst: Characterization and reactivity of the Ni(MeCN)6(BF4)2/[Al]-MCM-41/AlEt3 system. Microporous and Mesoporous Materials, 2006, 96, 109-114.	4.4	13
52	XPS characterization of nickel-acetylacetonate impregnated in NaX and NaY zeolites. Microporous and Mesoporous Materials, 2004, 69, 217-221.	4.4	24
53	Synthesis of semiconducting polyphenylacetylene catalyzed by Ni(MeCN)6(BF4)2/AlEt2Cl. Polymer Bulletin, 2002, 47, 529-537.	3.3	7
54	Influence of the alcohol nature on the catalytic properties of Fe(acac)3 and Cu(acac)2 in the formation of urethane from a diisocyanate. Journal of Molecular Catalysis A, 2000, 157, 73-78.	4.8	10

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55	Substitution of lead catalysts by zirconium in the oxidative polymerization of linseed oil. Progress in Organic Coatings, 1998, 33, 219-224.	3.9	36
56	Catalytic properties of Fe(acac)3 and Cu(acac)2 in the formation of urethane from a diisocyanate derivative and EtOH. Journal of Molecular Catalysis A, 1998, 130, 101-105.	4.8	35
57	Oligomerization and co-oligomerization of Î±-olefins catalyzed by nickel(II)/alkylaluminum systems. Journal of Molecular Catalysis A, 1997, 120, 55-62.	4.8	14
58	Specific interaction of bare Pd2+ with highly basic sites in calcined PdNaX. Chemical Communications, 1996, , 1325.	4.1	4
59	Low pressure ethylene oligomerization with a nickel-PÃ” complex. Polymer Bulletin, 1996, 36, 331-336.	3.3	8
60	SYNTHESIS AND CHARACTERIZATION OF DICATIONIC NICKEL COMPLEXES. Journal of Coordination Chemistry, 1996, 40, 311-318.	2.2	14