

# Michã"le O De Souza

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1456057/publications.pdf>

Version: 2024-02-01

60  
papers

1,174  
citations

361413

20  
h-index

434195

31  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical hydrogen production from water electrolysis using ionic liquid as electrolytes: Towards the best device. <i>Journal of Power Sources</i> , 2007, 164, 792-798.	7.8	139
2	Evidence of change in the molecular organization of 1-n-butyl-3-methylimidazolium tetrafluoroborate ionic liquid solutions with the addition of water. <i>Polyhedron</i> , 2008, 27, 3287-3293.	2.2	98
3	Aqueous two-phase (polyethylene glycol+sodium sulfate) system for caffeine extraction: Equilibrium diagrams and partitioning study. <i>Journal of Chemical Thermodynamics</i> , 2016, 98, 86-94.	2.0	52
4	External surface phenomena in dealumination and desilication of large single crystals of ZSM-5 zeolite synthesized from a sustainable source. <i>Microporous and Mesoporous Materials</i> , 2019, 286, 57-64.	4.4	44
5	Molybdenum electrodes for hydrogen production by water electrolysis using ionic liquid electrolytes. <i>Electrochemistry Communications</i> , 2008, 10, 1673-1675.	4.7	43
6	Substitution of lead catalysts by zirconium in the oxidative polymerization of linseed oil. <i>Progress in Organic Coatings</i> , 1998, 33, 219-224.	3.9	36
7	Catalytic properties of Fe(acac) <sub>3</sub> and Cu(acac) <sub>2</sub> in the formation of urethane from a diisocyanate derivative and EtOH. <i>Journal of Molecular Catalysis A</i> , 1998, 130, 101-105.	4.8	35
8	Ionic liquids in proton exchange membrane fuel cells: Efficient systems for energy generation. <i>Journal of Power Sources</i> , 2010, 195, 6483-6485.	7.8	35
9	Nickel oligomerization catalysts heterogenized on zeolites obtained using ionic liquids as templates. <i>Applied Catalysis A: General</i> , 2010, 374, 26-30.	4.3	35
10	Hydrogen production by water electrolysis using tetra-alkyl-ammonium-sulfonic acid ionic liquid electrolytes. <i>Journal of Power Sources</i> , 2013, 243, 822-825.	7.8	31
11	Mesoporous Y zeolite through ionic liquid based surfactant templating. <i>Microporous and Mesoporous Materials</i> , 2015, 217, 81-86.	4.4	30
12	CO <sub>2</sub> conversion to propylene carbonate catalyzed by ionic liquid containing organosilane groups supported on titanate nanotubes/nanowires. <i>Applied Catalysis A: General</i> , 2017, 544, 46-54.	4.3	30
13	The influence of ionic liquids cation on the properties of sulfonated poly (ether ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2	3.8	29
14	Efficiency and stability of transition metal electrocatalysts for the hydrogen evolution reaction using ionic liquids as electrolytes. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 84-90.	7.1	27
15	Nickel-zeolite composite catalysts with metal nanoparticles selectively encapsulated in the zeolite micropores. <i>Journal of Materials Science</i> , 2019, 54, 5399-5411.	3.7	27
16	XPS characterization of nickel-acetylacetonate impregnated in NaX and NaY zeolites. <i>Microporous and Mesoporous Materials</i> , 2004, 69, 217-221.	4.4	24
17	Stability of aluminium in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid and ethylene glycol mixtures. <i>Corrosion Science</i> , 2011, 53, 51-58.	6.6	24
18	Support effect in ethylene oligomerization mediated by heterogenized nickel catalysts. <i>Catalysis Communications</i> , 2010, 11, 597-600.	3.3	21

#	ARTICLE	IF	CITATIONS
19	Electrocatalytic activities of cathode electrodes for water electrolysis using tetra-alkyl-ammonium-sulfonic acid ionic liquid as electrolyte. <i>Journal of Power Sources</i> , 2015, 280, 12-17.	7.8	21
20	Effect of Ni proportion on the performance of proton exchange membrane fuel cells using PtNi/C electrocatalysts. <i>Ionics</i> , 2014, 20, 381-388.	2.4	20
21	PtNi and PtMo nanoparticles as efficient catalysts using TEA-PS.BF <sub>4</sub> ionic liquid as electrolyte towards HER. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5676-5683.	7.1	20
22	Nickel-catalyzed propylene dimerization in organochloroaluminate ionic liquids: Control of the isomerization reaction. <i>Journal of Molecular Catalysis A</i> , 2007, 272, 6-10.	4.8	19
23	Experimental-theoretical study of the epoxide structures effect on the CO <sub>2</sub> conversion to cyclic carbonates catalyzed by hybrid titanate nanostructures. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 37, 20-28.	6.8	19
24	3-Triethylammonium propane sulfonate ionic liquids for Nafion-based composite membranes for PEM fuel cells. <i>Journal of Materials Science</i> , 2020, 55, 6928-6941.	3.7	19
25	Heterogenized nickel catalysts for propene dimerization: Support effects on activity and selectivity. <i>Catalysis Communications</i> , 2013, 32, 32-35.	3.3	17
26	Hybrid Ionic Liquid-Silica Xerogels Applied in CO <sub>2</sub> Capture. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2614.	2.5	16
27	SYNTHESIS AND CHARACTERIZATION OF DICATIONIC NICKEL COMPLEXES. <i>Journal of Coordination Chemistry</i> , 1996, 40, 311-318.	2.2	14
28	Oligomerization and co-oligomerization of $\alpha$ -olefins catalyzed by nickel(II)/alkylaluminum systems. <i>Journal of Molecular Catalysis A</i> , 1997, 120, 55-62.	4.8	14
29	A nano-organized ethylene oligomerization catalyst: Characterization and reactivity of the Ni(MeCN) <sub>6</sub> (BF <sub>4</sub> ) <sub>2</sub> /[Al]-MCM-41/AlEt <sub>3</sub> system. <i>Microporous and Mesoporous Materials</i> , 2006, 96, 109-114.	4.4	13
30	Study of molybdenum electrodes for hydrogen evolution reaction. <i>Journal of Power Sources</i> , 2009, 194, 482-485.	7.8	13
31	Waste to health: Ag-LTA zeolites obtained by green synthesis from diatom and rice-based residues with antitumoral activity. <i>Microporous and Mesoporous Materials</i> , 2020, 307, 110508.	4.4	13
32	Assessment of Sodium Salt Anions ( $\text{SO}_4^{2-}$ and $\text{NO}_3^-$ ) Influence on Caffeine Partitioning in Polyethylene Glycol and 1-Butyl-3-Methylimidazolium Tetrafluoroborate Based ATPS. <i>Journal of Solution Chemistry</i> , 2016, 45, 1857-1878.	1.2	12
33	Electrochemical behavior of aluminum in 1-n-butyl-3-methylimidazolium tetrafluoroborate ionic liquid electrolytes for capacitor applications. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2315-2321.	2.9	11
34	Influence of ionic liquids on the properties of sulfonated polymer membranes. <i>Materials Chemistry and Physics</i> , 2014, 148, 648-654.	4.0	11
35	Ordered Mesoporous ZSM-5 Employing an Imidazolium-Based Ionic Liquid. <i>Chemistry - A European Journal</i> , 2014, 20, 14996-14999.	3.3	11
36	Theoretical and experimental comparative study of nonlinear properties of imidazolium cation based ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 328, 115391.	4.9	11

#	ARTICLE	IF	CITATIONS
37	Influence of the alcohol nature on the catalytic properties of Fe(acac) <sub>3</sub> and Cu(acac) <sub>2</sub> in the formation of urethane from a diisocyanate. <i>Journal of Molecular Catalysis A</i> , 2000, 157, 73-78.	4.8	10
38	NiP <sup>+</sup> O and [Cp <sub>2</sub> ZrCl <sub>2</sub> /MAO] as a versatile dual-function catalyst system for in situ polymerization of ethylene to linear low-density polyethylene (LLDPE). <i>Catalysis Communications</i> , 2010, 11, 1094-1097.	3.3	9
39	Polyethylene- $\epsilon$ -montmorillonite nanocomposites obtained by <i>in situ</i> polymerization of ethylene with nickel-diimine catalysts. <i>Journal of Applied Polymer Science</i> , 2011, 122, 2159-2165.	2.6	9
40	Cation influence of new imidazolium-based ionic liquids on hydrogen production from water electrolysis. <i>Ionics</i> , 2019, 25, 1167-1176.	2.4	9
41	C10MI- $\text{CF}_3\text{SO}_3$ : a hydrophobic ionic liquid medium for the production of HMF from sugars avoiding the use of organic solvent. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 611-618.	4.6	9
42	Low pressure ethylene oligomerization with a nickel-P <sup>+</sup> complex. <i>Polymer Bulletin</i> , 1996, 36, 331-336.	3.3	8
43	Physicochemical characterisation of aqueous solutions of tetra-alkyl-ammonium-sulfonic acid ionic liquid. <i>Journal of Molecular Liquids</i> , 2016, 215, 302-307.	4.9	8
44	Synthesis of semiconducting polyphenylacetylene catalyzed by Ni(MeCN) <sub>6</sub> (BF <sub>4</sub> ) <sub>2</sub> /AlEt <sub>2</sub> Cl. <i>Polymer Bulletin</i> , 2002, 47, 529-537.	3.3	7
45	Synthesis of 5-Hydroxymethylfurfural from Dehydration of Fructose And Glucose Using Ionic Liquids. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	7
46	$\beta$ -Diimine nickel complexes in BMI-AlCl <sub>3</sub> ionic liquid: a catalytic biphasic system for propylene oligomerization. <i>Applied Catalysis A: General</i> , 2017, 538, 51-58.	4.3	7
47	Influence of graphitic materials microstructure in the hydrogen evolution in aqueous solution of tetra-alkylammonium-sulfonic acid ionic liquid. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1239-1250.	7.1	7
48	Disassembling diatom to MCM-22 zeolite using vapor-phase transport synthesis. <i>Journal of Porous Materials</i> , 2021, 28, 1-8.	2.6	7
49	Improving Nafion/zeolite nanocomposite with a $\text{CF}_3\text{SO}_3^-$ based ionic liquid for PEMFC application. <i>Ionics</i> , 2021, 27, 2027-2036.	2.4	7
50	C16MI.OTf ionic liquid on Pt/C and PtMo/C anodes improves the PEMFC performance. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6945-6953.	7.1	6
51	Modified titanate nanotubes for the production of novel aliphatic polyurethane nanocomposites. <i>Polymer Composites</i> , 2019, 40, 2292-2300.	4.6	6
52	Alkylammonium AlPO <sub>4</sub> -kanemite as support for tuning catalytic activity of metallocene: In situ preparation of polyethylene nanocomposites. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 59-68.	4.8	5
53	Specific interaction of bare Pd <sup>2+</sup> with highly basic sites in calcined PdNaX. <i>Chemical Communications</i> , 1996, , 1325.	4.1	4
54	Ethylene polymerization using metallocene catalyst supported on hybrid indenyl silica produced by sol-gel process. <i>Applied Catalysis A: General</i> , 2013, 462-463, 1-7.	4.3	4

#	ARTICLE	IF	CITATIONS
55	Characterization of cobalt nanoparticles on different supports for Fischer-Tropsch synthesis. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 763-766.	1.5	2
56	Metallocene Supported on Inorganic Solid Supports: an Unfinished History. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	2
57	Fluorine substitution effect in bis(imino)pyridine cobalt complex in propylene oligomerization. <i>Catalysis Today</i> , 2017, 296, 272-276.	4.4	2
58	Friedel-Crafts Alkylation of Toluene as a Parallel Reaction in Propylene Dimerization Catalyzed by Nickel $\eta^2$ -Diimine Complex/EASC in Homogeneous Phase. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	2
59	Electrochemical behavior of nickel in electrolytes based on 1-n-butyl-3-methylimidazolium tetrafluoroborate ionic liquid for capacitor applications. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3237-3244.	2.5	1
60	Ionic Liquids and Catalysis. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	1