

Patterson Souza

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,099
citations

361413

20
h-index

395702

33
g-index

39
all docs

39
docs citations

39
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	“Green” colloidal ZnS quantum dots/chitosan nano-photocatalysts for advanced oxidation processes: Study of the photodegradation of organic dye pollutants. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 269-279.	20.2	143
2	Nanostructured γ -FeOOH: An efficient Fenton-like catalyst for the oxidation of organics in water. <i>Applied Catalysis B: Environmental</i> , 2012, 119-120, 175-182.	20.2	126
3	Comprehensive two-dimensional gas chromatography for fingerprint pattern recognition in cachaça production. <i>Talanta</i> , 2008, 74, 793-799.	5.5	72
4	Increasing the elongation at break of polyhydroxybutyrate biopolymer: Effect of cellulose nanowhiskers on mechanical and thermal properties. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3613-3621.	2.6	71
5	Modified niobia as a bifunctional catalyst for simultaneous dehydration and oxidation of glycerol. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 29-35.	20.2	60
6	Determination of volatile compounds in Brazilian distilled cachaça by using comprehensive two-dimensional gas chromatography and effects of production pathways. <i>Journal of Chromatography A</i> , 2009, 1216, 2881-2890.	3.7	47
7	Electrospray Ionization Mass Spectrometry Fingerprinting of Brazilian Artisan Cachaça Aged in Different Wood Casks. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2094-2102.	5.2	45
8	Nanostructured vanadium-doped iron oxide: catalytic oxidation of methylene blue dye. <i>New Journal of Chemistry</i> , 2015, 39, 3051-3058.	2.8	40
9	A pH-triggered bistable copper(ii) metallacycle as a reversible emulsion switch for biphasic processes. <i>Chemical Communications</i> , 2013, 49, 10778.	4.1	38
10	Intensification of UV-C treatment to remove emerging contaminants by UV-C/H ₂ O ₂ and UV-C/S ₂ O ₈ ²⁻ : Susceptibility to photolysis and investigation of acute toxicity. <i>Chemical Engineering Journal</i> , 2019, 376, 120856.	12.7	37
11	Nb-doped hematite: Highly active catalyst for the oxidation of organic dyes in water. <i>Catalysis Today</i> , 2015, 240, 176-181.	4.4	34
12	Electrochemical behavior of polyurethane ether electrolytes/carbon black composites and application to double layer capacitor. <i>Electrochimica Acta</i> , 2001, 46, 1629-1634.	5.2	32
13	Brazilian cachaça: “Single shot” typification of fresh alembic and industrial samples via electrospray ionization mass spectrometry fingerprinting. <i>Food Chemistry</i> , 2009, 115, 1064-1068.	8.2	32
14	Palladium(II) and platinum(II) oxamate complexes as potential anticancer agents: Structural characterization and cytotoxic activity. <i>Polyhedron</i> , 2014, 76, 16-21.	2.2	30
15	Modified Niobium Oxyhydroxide Catalyst: An Acetalization Reaction to Produce Bio-additives for Sustainable Use of Waste Glycerol. <i>ChemCatChem</i> , 2014, 6, 2961-2969.	3.7	29
16	Differentiation of rum and Brazilian artisan cachaça via electrospray ionization mass spectrometry fingerprinting. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1294-1299.	1.6	28
17	Amphiphilic niobium oxyhydroxide as a hybrid catalyst for sulfur removal from fuel in a biphasic system. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 43-48.	20.2	28
18	β -pinene oxidation by hydrogen peroxide catalyzed by modified niobium-MCM. <i>Applied Catalysis A: General</i> , 2012, 419-420, 215-220.	4.3	22

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19	Reactive Magnetron Sputter Deposition of Bismuth Tungstate Coatings for Water Treatment Applications under Natural Sunlight. <i>Catalysts</i> , 2017, 7, 283.	3.5	20
20	Metal-free bifunctional silica for conversion of waste glycerol from biodiesel: Sustainable production of formic acid. <i>Chemical Engineering Journal</i> , 2019, 369, 1102-1108.	12.7	20
21	Photocatalytic performance of cementitious materials with addition of red mud and Nb ₂ O ₅ particles. <i>Construction and Building Materials</i> , 2020, 259, 119851.	7.2	20
22	Conversion of fatty acids into hydrocarbon fuels based on a sodium carboxylate intermediate. <i>Catalysis Today</i> , 2017, 279, 260-266.	4.4	15
23	Nb and V-modified silicate for conversion of glycerol: Comparison between the waste and commercial product. <i>Catalysis Today</i> , 2017, 289, 258-263.	4.4	15
24	V- or Mo-modified niobium catalysts for glycerin conversion reactions in the presence of H ₂ O ₂ . <i>Applied Catalysis A: General</i> , 2012, 443-444, 153-160.	4.3	12
25	Artificially-aged cachaça samples characterised by direct infusion electrospray ionisation mass spectrometry. <i>Food Chemistry</i> , 2014, 143, 77-81.	8.2	11
26	Production of compounds to be used as fuel additive: Glycerol conversion using Nb-doped MgAl mixed oxide. <i>Catalysis Today</i> , 2013, 213, 65-72.	4.4	10
27	Fe/C and FeMo/C hybrid materials for the biphasic oxidation of fuel contaminants. <i>New Journal of Chemistry</i> , 2017, 41, 142-150.	2.8	10
28	Evaluation of properties of polymer concrete based on epoxy resin and functionalized carbon nanotubes. <i>Construction and Building Materials</i> , 2021, 309, 125155.	7.2	8
29	NMR and DSC study of polymer electrolyte-carbon black composites. <i>Solid State Ionics</i> , 2000, 136-137, 1181-1187.	2.7	7
30	Cross-linking effect on thermal, conducting and electrochemical properties of an elastomeric polymer electrolyte. <i>Solid State Ionics</i> , 2003, 159, 301-311.	2.7	7
31	An effective approach for modifying carbonaceous materials with niobium single sites to improve their catalytic properties. <i>Dalton Transactions</i> , 2015, 44, 19956-19965.	3.3	7
32	Photoactivation of a biodegradable polymer (PHB): Generation of radicals for pollutants oxidation. <i>Catalysis Today</i> , 2020, 344, 171-175.	4.4	5
33	Monitoring microbiological and physicochemical quality of bottled mineral water sold in Minas Gerais, Brazil. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2014, 4, 538-543.	1.8	4
34	Alcoxycle: A novel route for glycerol reform into H ₂ and CO _x in separate stages. <i>Catalysis Today</i> , 2017, 289, 127-132.	4.4	4
35	The combined effect between Co and carbon nanostructures grown on cordierite monoliths for the removal of organic contaminants from the liquid phase. <i>New Journal of Chemistry</i> , 2015, 39, 1438-1444.	2.8	3
36	Synthesis of glycerol carbonate over a 2D coordination polymer built with Nd ³⁺ ions and organic ligands. <i>Dalton Transactions</i> , 2018, 47, 10976-10988.	3.3	3

#	ARTICLE	IF	CITATIONS
37	Synthetic Niobium Oxyhydroxide as a Bifunctional Catalyst for Production of Ethers and Allyl Alcohol from Waste Glycerol. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	3
38	Production, Characterization and Use of Sulfonated Polystyrene and Polysulfone Membranes as Catalysts in the Esterification Reaction of Oleic Acid. <i>Revista Virtual De Quimica</i> , 2018, 10, 124-141.	0.4	1