

# Luciene Santos de Carvalho

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

289  
citations

840728

11  
h-index

940516

16  
g-index

29  
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29  
docs citations

29  
times ranked

396  
citing authors

#	ARTICLE	IF	CITATIONS
1	MCR-ALS and PLS coupled to NIR/MIR spectroscopies for quantification and identification of adulterant in biodiesel-diesel blends. <i>Fuel</i> , 2017, 210, 497-506.	6.4	32
2	Novel application for palygorskite clay mineral: a kinetic and thermodynamic assessment of diesel fuel desulfurization. <i>Adsorption</i> , 2020, 26, 267-282.	3.0	24
3	Low-cost mesoporous adsorbents amines-impregnated for CO <sub>2</sub> capture. <i>Adsorption</i> , 2015, 21, 597-609.	3.0	20
4	Predicting Cetane Index, Flash Point, and Content Sulfur of Diesel Biodiesel Blend Using an Artificial Neural Network Model. <i>Energy &amp; Fuels</i> , 2017, 31, 3913-3920.	5.1	19
5	Sewage Sludge-Derived Materials as Efficient Catalysts for the Selective Production of Vanillin from Isoeugenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7519-7526.	6.7	19
6	Advances in chemometric control of commercial diesel adulteration by kerosene using IR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2301-2315.	3.7	19
7	Response surface methodology (RSM) for assessing the effects of pretreatment, feedstock, and enzyme complex association on cellulose hydrolysis. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 2811-2822.	4.6	18
8	Assessment of Ag Nanoparticles Interaction over Low-Cost Mesoporous Silica in Deep Desulfurization of Diesel. <i>Catalysts</i> , 2019, 9, 651.	3.5	15
9	Wood sawdust and sewage sludge pyrolysis chars for CO <sub>2</sub> adsorption using a magnetic suspension balance. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2148-2155.	1.7	12
10	Investigating acid/peroxide-alkali pretreatment of sugarcane bagasse to isolate high accessibility cellulose applied in acetylation reactions. <i>Cellulose</i> , 2018, 25, 5669-5685.	4.9	12
11	Sodium and potassium silicate-based catalysts prepared using sand silica concerning biodiesel production from waste oil. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103603.	4.9	12
12	Multivariate assessment for predicting antioxidant activity from clove and pomegranate extracts by MCR-ALS and PLS models combined to IR spectroscopy. <i>Food Chemistry</i> , 2022, 384, 132321.	8.2	11
13	Experimental and theoretical study of adsorptive interactions in diesel fuel desulfurization over Ag/MCM-41 adsorbent. <i>Adsorption</i> , 2020, 26, 189-201.	3.0	10
14	Application of SDS surfactant microemulsion for removal of filter cake of oil-based drilling fluid: influence of cosurfactant. <i>Journal of Petroleum Exploration and Production</i> , 2020, 10, 2845-2856.	2.4	9
15	Spectrophotometric determination of chromium in steel with 4-(2-thiazolylazo)-resorcinol (TAR) using microwave radiation. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 153-157.	0.6	8
16	Influence of phenylpropanoid units of lignin and its oxidized derivatives on the stability and $\hat{\text{I}}^2\text{O}_4$ binding properties: DFT and QTAIM approach. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5897-5905.	2.8	8
17	Effective Interactions of Ag Nanoparticles on the Surface of SBA-15 in Performing Deep Desulfurization of Real Diesel Fuel. <i>Catalysts</i> , 2020, 10, 593.	3.5	7
18	Eco-friendly adsorption of dye pollutants by palygorskite in aqueous effluents: Experimental and computational studies. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1805-1820.	2.7	7

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19	Synthesis of decyl methyl carbonate and a comparative assessment of its performance as the continuous phase of synthetic-based drilling fluids. <i>Journal of Petroleum Science and Engineering</i> , 2021, 199, 108301.	4.2	5
20	Pre-Treatment Combined H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O <sub>2</sub> /NaOH to Obtain the Lignocellulosic Fractions of Sugarcane Bagasse. <i>Revista Virtual De Quimica</i> , 2016, 8, .	0.4	5
21	Computational approach in lignin structural models: Influence of non-covalent intramolecular interactions on I <sup>2</sup> O <sub>4</sub> bond properties. <i>Journal of Molecular Structure</i> , 2022, 1251, 131938.	3.6	5
22	Methane and Electricity Production from Poultry Litter Digestion in the Amazon Region of Brazil: A Large-Scale Study. <i>Waste and Biomass Valorization</i> , 2021, 12, 5807-5820.	3.4	3
23	Tangerine peel ashes applied as green catalyst: a biorefinery-based approach for biodiesel production. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 548-561.	3.7	3
24	Extraction and characterization of the saponifiable lipid fraction from microalgae <i>Chlamydomonas</i> sp. cultivated under stress. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 1621-1634.	3.6	2
25	Î±-Oxidation of banana lignin with atmospheric oxygen catalyzed by Co <sub>3</sub> O <sub>4</sub> . <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1016-1022.	3.7	2
26	Mathematical Equations Evaluation for Prediction of Brazilian Diesel Specification Parameters. <i>Revista Virtual De Quimica</i> , 2015, 7, 2606-2621.	0.4	1
27	Music as a Ludic Tool for Learning Intermolecular Interactions of Organic Compounds. <i>Revista Virtual De Quimica</i> , 0, , .	0.4	0
28	AVALIAÇÃO DAS PROPRIEDADES FÍSICO-QUÍMICAS DO DIESEL APÓS A ADIÇÃO DO BIODIESEL EM DIFERENTES PROPORÇÕES. , 0, , 53-60.		0