

# Donato A G Aranda

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

547  
citations

933447

10  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid-Catalyzed Homogeneous Esterification Reaction for Biodiesel Production from Palm Fatty Acids. <i>Catalysis Letters</i> , 2008, 122, 20-25.	2.6	233
2	The use of acids, niobium oxide, and zeolite catalysts for esterification reactions. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 709-716.	1.9	74
3	Biocatalysts based on nanozeolite-enzyme complexes: Effects of alkoxy silane surface functionalization and biofuel production using microalgae lipids feedstock. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 150-157.	5.0	47
4	Density Functional Theory Study of Benzene Adsorption on Small Pd and Pt Clusters. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11068-11076.	3.1	35
5	Kinetic study of thermal processing of glycerol by thermogravimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 737-746.	3.6	31
6	Niobium oxide solid catalyst: esterification of fatty acids and modeling for biodiesel production. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 54-64.	1.9	27
7	Computer Simulation of Fatty Acid Esterification in Reactive Distillation Columns. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 10176-10184.	3.7	26
8	Biodiesel Production by Esterification of Hydrolyzed Soybean Oil with Ethanol in Reactive Distillation Columns: Simulation Studies. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 9461-9469.	3.7	24
9	Experimental and theoretical studies on glucose hydrogenation to produce sorbitol. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 91, 341-352.	0.6	13
10	Modeling the Adsorption of CO on Small Pt, Fe and Co Clusters for the Fischer-Tropsch Synthesis. <i>Journal of Cluster Science</i> , 2008, 19, 601-614.	3.3	12
11	Polyol Synthesis of Cobalt-Copper Alloy Catalysts for Higher Alcohol Synthesis from Syngas. <i>Catalysis Letters</i> , 2017, 147, 2352-2359.	2.6	10
12	The carbon isotopic ( $^{13}\text{C}/^{12}\text{C}$ ) signature of sugarcane bioethanol: certifying the major source of renewable fuel from Brazil. <i>Analytical Methods</i> , 2015, 7, 4780-4785.	2.7	8
13	The influence of different referencing methods on the accuracy of $^{13}\text{C}$ value measurement of ethanol fuel by gas chromatography/combustion/isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1938-1946.	1.5	7