

# Anastasia Macario

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,768  
citations

394421

19  
h-index

276875

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supported Catalysts for CO <sub>2</sub> Methanation: A Review. <i>Catalysts</i> , 2017, 7, 59.	3.5	490
2	Etherification of 5-hydroxymethyl-2-furfural (HMF) with ethanol to biodiesel components using mesoporous solid acidic catalysts. <i>Catalysis Today</i> , 2011, 175, 435-441.	4.4	170
3	Recovery/Reuse of Heterogeneous Supported Spent Catalysts. <i>Catalysts</i> , 2021, 11, 591.	3.5	112
4	Biodiesel production process by homogeneous/heterogeneous catalytic system using an acid-base catalyst. <i>Applied Catalysis A: General</i> , 2010, 378, 160-168.	4.3	108
5	Increasing stability and productivity of lipase enzyme by encapsulation in a porous organic-inorganic system. <i>Microporous and Mesoporous Materials</i> , 2009, 118, 334-340.	4.4	81
6	The role of acid sites induced by defects in the etherification of HMF on Silicalite-1 catalysts. <i>Journal of Catalysis</i> , 2015, 330, 558-568.	6.2	72
7	Pure silica nanoparticles for liposome/lipase system encapsulation: Application in biodiesel production. <i>Catalysis Today</i> , 2013, 204, 148-155.	4.4	61
8	Synthesis of mesoporous materials for carbon dioxide sequestration. <i>Microporous and Mesoporous Materials</i> , 2005, 81, 139-147.	4.4	53
9	Study of lipase immobilization on zeolitic support and transesterification reaction in a solvent free-system. <i>Biocatalysis and Biotransformation</i> , 2007, 25, 328-335.	2.0	51
10	Catalytic dry-reforming on Ni-zeolite supported catalyst. <i>Catalysis Today</i> , 2012, 179, 52-60.	4.4	49
11	Catalytic Conversion of Renewable Sources for Biodiesel Production: A Comparison Between Biocatalysts and Inorganic Catalysts. <i>Catalysis Letters</i> , 2013, 143, 159-168.	2.6	39
12	Bimetallic Zeolite Catalyst for CO <sub>2</sub> Reforming of Methane. <i>Topics in Catalysis</i> , 2010, 53, 265-272.	2.8	33
13	Preparation and characterization of active Ni-supported catalyst for syngas production. <i>Chemical Engineering Research and Design</i> , 2015, 96, 78-86.	5.6	33
14	Industrial Waste Treatment by ETS-10 Ion Exchanger Material. <i>Materials</i> , 2018, 11, 2316.	2.9	33
15	Zeolite-supported Ni catalyst for methane reforming with carbon dioxide. <i>Research on Chemical Intermediates</i> , 2011, 37, 267-279.	2.7	26
16	Preparation and Characterization of Plasters with Photodegradative Action. <i>Buildings</i> , 2018, 8, 122.	3.1	24
17	The role of the defect groups on the Silicalite-1 zeolite catalytic behavior. <i>Microporous and Mesoporous Materials</i> , 2013, 182, 220-228.	4.4	23
18	CO <sub>2</sub> and CO hydrogenation over Ni-supported materials. <i>Functional Materials Letters</i> , 2018, 11, 1850061.	1.2	21

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19	Biodiesel production by immobilized lipase on zeolites and related materials. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 1011-1016.	1.5	20
20	Pulsed-laser-ablation based nanodecoration of multi-wall-carbon nanotubes by Co-Ni nanoparticles for dye-sensitized solar cell counter electrode applications. <i>Materials for Renewable and Sustainable Energy</i> , 2017, 6, 1.	3.6	20
21	Trimetallic Ni-Based Catalysts over Gadolinia-Doped Ceria for Green Fuel Production. <i>Catalysts</i> , 2018, 8, 435.	3.5	20
22	Hydrolysis of Alkyl Ester on Lipase/Silicalite-1 Catalyst. <i>Catalysis Letters</i> , 2008, 122, 43-52.	2.6	19
23	Ferrierite zeolitic thin-layer on cordierite honeycomb support by clear solutions. <i>Materials Letters</i> , 2013, 104, 72-75.	2.6	19
24	Pd/Fe <sub>3</sub> O <sub>4</sub> Nanofibers for the Catalytic Conversion of Lignin-Derived Benzyl Phenyl Ether under Transfer Hydrogenolysis Conditions. <i>Catalysts</i> , 2020, 10, 20.	3.5	19
25	Semi-Continuous Adsorption Processes with Multi-Walled Carbon Nanotubes for the Treatment of Water Contaminated by an Organic Textile Dye. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1687.	2.5	19
26	Vehicular Emission: Estimate of Air Pollutants to Guide Local Political Choices. A Case Study. <i>Environments - MDPI</i> , 2020, 7, 37.	3.3	17
27	Adsorption of Reactive Blue 116 Dye and Reactive Yellow 81 Dye from Aqueous Solutions by Multi-Walled Carbon Nanotubes. <i>Materials</i> , 2020, 13, 2757.	2.9	17
28	The Role of Carbon Nanotube Pretreatments in the Adsorption of Benzoic Acid. <i>Materials</i> , 2021, 14, 2118.	2.9	16
29	An Erbium-Based Bifunctional Heterogeneous Catalyst: A Cooperative Route Towards C-C Bond Formation. <i>Molecules</i> , 2014, 19, 10218-10229.	3.8	15
30	Water Contaminated by Industrial Textile Dye: Study on Decolorization Process. <i>Environments - MDPI</i> , 2019, 6, 101.	3.3	15
31	Simultaneous methanation of carbon oxides on nickel-iron catalysts supported on ceria-doped gadolinia. <i>Catalysis Today</i> , 2020, 357, 565-572.	4.4	15
32	Catalytic activity of Ni-Co supported metals in carbon dioxides methanation. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1924-1934.	1.7	13
33	Optimizing Dye Adsorption in Graphene-TiO <sub>2</sub> Photoanodes for the Enhancement of Photoconversion Efficiency of DSSC Devices. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 1240-1248.	2.5	9
34	Characterization of (Fe,Al)FER synthesized in presence of ethylene glycol and ethylene diamine. <i>Microporous and Mesoporous Materials</i> , 2010, 127, 9-16.	4.4	8
35	Preparation of ETS-10 Microporous Phase Pellets with Color Change Properties. <i>Gels</i> , 2019, 5, 42.	4.5	7
36	Focus on Materials for Sulfur-Resistant Catalysts in the Reforming of Biofuels. <i>Catalysts</i> , 2021, 11, 1029.	3.5	7

#	ARTICLE	IF	CITATIONS
37	Recovery of Biophenols from Olive Vegetation Waters by Carbon Nanotubes. <i>Materials</i> , 2022, 15, 2893.	2.9	5
38	Modeling the Adsorption of CO <sub>2</sub> /N <sub>2</sub> Mixtures on Siliceous Nanoporous Materials. <i>Science of Advanced Materials</i> , 2015, 7, 258-263.	0.7	3
39	Investigation on the Suitability of Engelhard Titanium Silicate as a Support for Ni-Catalysts in the Methanation Reaction. <i>Catalysts</i> , 2021, 11, 1225.	3.5	3
40	Re-aeration study of effluent from a wastewater treatment plant. <i>Journal of Water Process Engineering</i> , 2017, 18, 185-191.	5.6	2
41	Synthesis and characterization of metal-benzene-tricarboxylate oxidation catalysts. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 1275-1278.	1.5	1
42	<i>A Special Section on</i> Nanostructured Materials for CO <sub>2</sub> Exploitation for Chemicals and Fuels Production. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3057-3058.	0.9	0