

# Marianny Y. Combariza

## List of Publications by Year in descending order

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51  
papers

1,332  
citations

331259

21  
h-index

360668

35  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of PHA Production by a Mixed Microbial Culture Using VFA Obtained from the Fermentation of Wastewater from Yeast Industry. <i>Fermentation</i> , 2022, 8, 180.	1.4	12
2	Laser desorption ionization and collision induced dissociation as powerful tools for FT-ICR mass spectrometric characterization of asphaltene fractions enriched in island and archipelago motifs. <i>Fuel</i> , 2022, 323, 124418.	3.4	6
3	Mass Balance and Compositional Analysis of Biomass Outputs from Cacao Fruits. <i>Molecules</i> , 2022, 27, 3717.	1.7	5
4	Pentacyclic Triterpene Profile and Its Biosynthetic Pathway in <i>Cecropia telenitida</i> as a Prospective Dietary Supplement. <i>Molecules</i> , 2021, 26, 1064.	1.7	4
5	Molecular grafting of nanoparticles onto sisal fibers - adhesion to cementitious matrices and novel functionalities. <i>Journal of Molecular Structure</i> , 2021, 1234, 130171.	1.8	5
6	Advances and Challenges in the Molecular Characterization of Petroporphyrins. <i>Energy &amp; Fuels</i> , 2021, 35, 18056-18077.	2.5	23
7	Effect of the Ionization Source on the Targeted Analysis of Nickel and Vanadyl Porphyrins in Crude Oil. <i>Energy &amp; Fuels</i> , 2021, 35, 14542-14552.	2.5	4
8	Perspectives in Nanocellulose for Crude Oil Recovery: A Minireview. <i>Energy &amp; Fuels</i> , 2021, 35, 15381-15397.	2.5	14
9	Magnetic and electrochemical properties of corner-like and grid-like complexes resulting from the self-assembly of two structurally related bis(hydrazones) and iron (II). <i>Inorganica Chimica Acta</i> , 2021, 526, 120514.	1.2	2
10	Cellulose biosynthesis using simple sugars available in residual cacao mucilage exudate. <i>Carbohydrate Polymers</i> , 2021, 274, 118645.	5.1	9
11	Nanocellulose as an inhibitor of water-in-crude oil emulsion formation. <i>Fuel</i> , 2020, 264, 116830.	3.4	24
12	Influence of post-oxidation reactions on the physicochemical properties of TEMPO-oxidized cellulose nanofibers before and after amidation. <i>Cellulose</i> , 2020, 27, 1273-1288.	2.4	23
13	Amidated Cellulose Nanofibrils as Demulsifying Agents for a Natural Water-in-Heavy-Crude-Oil Emulsion. <i>Energy &amp; Fuels</i> , 2020, 34, 14012-14022.	2.5	17
14	Synthesis of cellulose nanofiber hydrogels from fique tow and Ag nanoparticles. <i>Cellulose</i> , 2020, 27, 9947-9961.	2.4	9
15	Synthesis, characterization, and redox potential properties of a new double-stranded Ni-bis(hydrazone)-based helicate. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121692.	1.4	1
16	Asphaltene Structure Modifiers as a Novel Approach for Viscosity Reduction in Heavy Crude Oils. <i>Energy &amp; Fuels</i> , 2020, 34, 5251-5257.	2.5	7
17	Serjanic Acid Improves Immunometabolic Markers in a Diet-Induced Obesity Mouse Model. <i>Molecules</i> , 2020, 25, 1486.	1.7	4
18	Comprehensive Petroporphyrin Identification in Crude Oils Using Highly Selective Electron Transfer Reactions in MALDI-FTICR-MS. <i>Energy &amp; Fuels</i> , 2019, 33, 3899-3907.	2.5	38

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19	Electron-Transfer Ionization of Nanoparticles, Polymers, Porphyrins, and Fullerenes Using Synthetically Tunable $\beta$ -Cyanophenylenevinylenes as UV MALDI-MS Matrices. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10975-10987.	4.0	20
20	Selective ionization by electron-transfer MALDI-MS of vanadyl porphyrins from crude oils. <i>Fuel</i> , 2018, 226, 103-111.	3.4	29
21	Isolation and characterization of cellulose nanofibrils from Colombian Fique decortication by-products. <i>Carbohydrate Polymers</i> , 2018, 189, 169-177.	5.1	45
22	Correlations between Molecular Composition and Adsorption, Aggregation, and Emulsifying Behaviors of PetroPhase 2017 Asphaltenes and Their Thin-Layer Chromatography Fractions. <i>Energy &amp; Fuels</i> , 2018, 32, 2769-2780.	2.5	35
23	Exploring the composition of raw and delignified Colombian fique fibers, tow and pulp. <i>Cellulose</i> , 2018, 25, 151-165.	2.4	40
24	Molecular characterization of naphthenic acids from heavy crude oils using MALDI FT-ICR mass spectrometry. <i>Fuel</i> , 2018, 231, 126-133.	3.4	21
25	Separation of asphaltene-stabilized water in oil emulsions and immiscible oil/water mixtures using a hydrophobic cellulosic membrane. <i>Fuel</i> , 2018, 231, 297-306.	3.4	32
26	Analysis of naphthenic acids by matrix assisted laser desorption ionization time of flight mass spectrometry. <i>Fuel</i> , 2017, 193, 168-177.	3.4	19
27	Facile cellulose nanofibrils amidation using a "one-pot" approach. <i>Cellulose</i> , 2017, 24, 717-730.	2.4	22
28	Oligo p-Phenylenevinylene Derivatives as Electron Transfer Matrices for UV-MALDI. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2548-2560.	1.2	13
29	Exploring Occluded Compounds and Their Interactions with Asphaltene Networks Using High-Resolution Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2016, 30, 4550-4561.	2.5	65
30	Improving compositional space accessibility in (+) APPI FT-ICR mass spectrometric analysis of crude oils by extrography and column chromatography fractionation. <i>Fuel</i> , 2016, 185, 45-58.	3.4	42
31	Influence of nutritional and physicochemical variables on PHB production from raw glycerol obtained from a Colombian biodiesel plant by a wild-type <i>Bacillus megaterium</i> strain. <i>New Biotechnology</i> , 2015, 32, 682-689.	2.4	20
32	High Resolution Mass Spectrometric View of Asphaltene-SiO <sub>2</sub> Interactions. <i>Energy &amp; Fuels</i> , 2015, 29, 1323-1331.	2.5	42
33	Controlled synthesis of ZnO particles on the surface of natural cellulosic fibers: effect of concentration, heating and sonication. <i>Cellulose</i> , 2015, 22, 1841-1852.	2.4	26
34	Tracing the Compositional Changes of Asphaltenes after Hydroconversion and Thermal Cracking Processes by High-Resolution Mass Spectrometry. <i>Energy &amp; Fuels</i> , 2015, 29, 6330-6341.	2.5	58
35	A mathematical model for polyhydroxybutyrate production by a wild type <i>Bacillus megaterium</i> using raw glycerol from biodiesel industry as sole carbon source. <i>New Biotechnology</i> , 2014, 31, S176.	2.4	1
36	Biocomposite of nanostructured MnO <sub>2</sub> and fique fibers for efficient dye degradation. <i>Green Chemistry</i> , 2013, 15, 2920.	4.6	87

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37	In situ synthesis of gold nanoparticles using fique natural fibers as template. <i>Cellulose</i> , 2012, 19, 1933-1943.	2.4	31
38	Polymeric Inverse Micelles as Selective Peptide Extraction Agents for MALDI-MS Analysis. <i>Analytical Chemistry</i> , 2007, 79, 7124-7130.	3.2	30
39	Gas-phase ion-molecule reactions of divalent metal complex ions: Toward coordination structure analysis by mass spectrometry and some intrinsic coordination chemistry along the way. <i>International Journal of Mass Spectrometry</i> , 2005, 244, 109-124.	0.7	49
40	A comparison of the gas, solution, and solid state coordination environments for the Cu(II) complexes of a series of linear aminopyridine ligands with varying ratios of 5- and 6-membered chelate rings. <i>Inorganica Chimica Acta</i> , 2004, 357, 1141-1151.	1.2	24
41	A comparison of the gas, solution, and solid state coordination environments for the Ni(II) complexes of a series of linear penta- and hexadentate aminopyridine ligands with accessible Ni(III) oxidation states. <i>Inorganica Chimica Acta</i> , 2004, 357, 51-58.	1.2	17
42	Gas-phase reactions of divalent Ni complex ions with acetonitrile: Chelate ring size, inductive, and steric effects. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1128-1135.	1.2	16
43	Effect of Coordination Geometry on the Gas-Phase Reactivity of Four-Coordinate Divalent Metal Ion Complexes. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1757-1763.	1.1	37
44	Are Gas-Phase Reactions of Five-Coordinate Divalent Metal Ion Complexes Affected by Coordination Geometry?. <i>Inorganic Chemistry</i> , 2004, 43, 2745-2753.	1.9	17
45	The utility of ion-molecule reactions in a quadrupole ion trap mass spectrometer for analyzing metal complex coordination structure. <i>Analytica Chimica Acta</i> , 2003, 496, 233-248.	2.6	19
46	Spontaneous assembly of a hydrogen-bonded tetrahedron. <i>Chemical Communications</i> , 2002, , 2260-2261.	2.2	9
47	Gas-phase ion-molecule reactions of transition metal complexes: The effect of different coordination spheres on complex reactivity. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 813-825.	1.2	57
48	Volatile secondary metabolites from <i>Spilanthes americana</i> obtained by simultaneous steam distillation-solvent extraction and supercritical fluid extraction. <i>Journal of Chromatography A</i> , 1996, 752, 223-232.	1.8	64
49	Comparative study of colombian rue oils by high resolution gas chromatography using different detection systems. <i>Journal of Separation Science</i> , 1995, 7, 117-122.	1.0	10
50	Comparative study of Colombian citrus oils by high-resolution gas chromatography and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1995, 697, 501-513.	1.8	107
51	Limonene concentration in lemon ( <i>Citrus volkameriana</i> ) peel oil as a function of ripeness. <i>Journal of High Resolution Chromatography</i> , 1994, 17, 643-646.	2.0	21