Cristian Blanco-Tirado

List of Publications by Year
in descending order

28 papers	782 citations	430442 18 h-index	500791 28 g-index
28 all docs	28 docs citations	28 times ranked	822 citing authors

#	Article	IF	Citations
1	Mass Balance and Compositional Analysis of Biomass Outputs from Cacao Fruits. Molecules, 2022, 27, 3717.	1.7	5
2	Molecular grafting of nanoparticles onto sisal fibers - adhesion to cementitious matrices and novel functionalities. Journal of Molecular Structure, 2021, 1234, 130171.	1.8	5
3	Effect of the Ionization Source on the Targeted Analysis of Nickel and Vanadyl Porphyrins in Crude Oil. Energy & Fuels, 2021, 35, 14542-14552.	2.5	4
4	Perspectives in Nanocellulose for Crude Oil Recovery: A Minireview. Energy & Fuels, 2021, 35, 15381-15397.	2.5	14
5	Cellulose biosynthesis using simple sugars available in residual cacao mucilage exudate. Carbohydrate Polymers, 2021, 274, 118645.	5.1	9
6	Nanocellulose as an inhibitor of water-in-crude oil emulsion formation. Fuel, 2020, 264, 116830.	3.4	24
7	Influence of post-oxidation reactions on the physicochemical properties of TEMPO-oxidized cellulose nanofibers before and after amidation. Cellulose, 2020, 27, 1273-1288.	2.4	23
8	Amidated Cellulose Nanofibrils as Demulsifying Agents for a Natural Water-in-Heavy-Crude-Oil Emulsion. Energy & Fuels, 2020, 34, 14012-14022.	2.5	17
9	Synthesis of cellulose nanofiber hydrogels from fique tow and Ag nanoparticles. Cellulose, 2020, 27, 9947-9961.	2.4	9
10	Asphaltene Structure Modifiers as a Novel Approach for Viscosity Reduction in Heavy Crude Oils. Energy & Fuels, 2020, 34, 5251-5257.	2.5	7
11	Comprehensive Petroporphyrin Identification in Crude Oils Using Highly Selective Electron Transfer Reactions in MALDI-FTICR-MS. Energy & Fuels, 2019, 33, 3899-3907.	2.5	38
12	Electron-Transfer Ionization of Nanoparticles, Polymers, Porphyrins, and Fullerenes Using Synthetically Tunable Î±-Cyanophenylenevinylenes as UV MALDI-MS Matrices. ACS Applied Materials & Interfaces, 2019, 11, 10975-10987.	4.0	20
13	Selective ionization by electron-transfer MALDI-MS of vanadyl porphyrins from crude oils. Fuel, 2018, 226, 103-111.	3.4	29
14	Isolation and characterization of cellulose nanofibrils from Colombian Fique decortication by-products. Carbohydrate Polymers, 2018, 189, 169-177.	5.1	45
15	Correlations between Molecular Composition and Adsorption, Aggregation, and Emulsifying Behaviors of PetroPhase 2017 Asphaltenes and Their Thin-Layer Chromatography Fractions. Energy & Fuels, 2018, 32, 2769-2780.	2.5	35
16	Exploring the composition of raw and delignified Colombian fique fibers, tow and pulp. Cellulose, 2018, 25, 151-165.	2.4	40
17	Molecular characterization of naphthenic acids from heavy crude oils using MALDI FT-ICR mass spectrometry. Fuel, 2018, 231, 126-133.	3.4	21
18	Separation of asphaltene-stabilized water in oil emulsions and immiscible oil/water mixtures using a hydrophobic cellulosic membrane. Fuel, 2018, 231, 297-306.	3.4	32

#	ARTICLE	IF	CITATIONS
19	Analysis of naphthenic acids by matrix assisted laser desorption ionization time of flight mass spectrometry. Fuel, 2017, 193, 168-177.	3.4	19
20	Facile cellulose nanofibrils amidation using a â€˜one-potâ€™ approach. Cellulose, 2017, 24, 717-730.	2.4	22
21	Oligo p-Phenylenevinylene Derivatives as Electron Transfer Matrices for UV-MALDI. Journal of the American Society for Mass Spectrometry, 2017, 28, 2548-2560.	1.2	13
22	Exploring Occluded Compounds and Their Interactions with Asphaltene Networks Using High-Resolution Mass Spectrometry. Energy & Fuels, 2016, 30, 4550-4561.	2.5	65
23	Improving compositional space accessibility in (+) APPI FT-ICR mass spectrometric analysis of crude oils by extrography and column chromatography fractionation. Fuel, 2016, 185, 45-58.	3.4	42
24	High Resolution Mass Spectrometric View of Asphalteneâ€"SiO₂ Interactions. Energy & Fuels, 2015, 29, 1323-1331.	2.5	42
25	Controlled synthesis of ZnO particles on the surface of natural cellulosic fibers: effect of concentration, heating and sonication. Cellulose, 2015, 22, 1841-1852.	2.4	26
26	Tracing the Compositional Changes of Asphaltenes after Hydroconversion and Thermal Cracking Processes by High-Resolution Mass Spectrometry. Energy & Fuels, 2015, 29, 6330-6341.	2.5	58
27	Biocomposite of nanostructured MnO2 and fique fibers for efficient dye degradation. Green Chemistry, 2013, 15, 2920.	4.6	87
28	In situ synthesis of gold nanoparticles using fique natural fibers as template. Cellulose, 2012, 19, 1933-1943.	2.4	31