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	Biocomposite of nanostructured MnO2 and fique fibers for efficient dye degradation. Green Chemistry, 2013, 15, 2920.	4.6	87
2	Exploring Occluded Compounds and Their Interactions with Asphaltene Networks Using High-Resolution Mass Spectrometry. Energy & Fuels, 2016, 30, 4550-4561.	2.5	65
3	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
4	Isolation and characterization of cellulose nanofibrils from Colombian Fique decortication by-products. Carbohydrate Polymers, 2018, 189, 169-177.	5.1	45
5	High Resolution Mass Spectrometric View of Asphalteneâ€“SiO₂ Interactions. Energy & Fuels, 2015, 29, 1323-1331.	2.5	42
6	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
7	Exploring the composition of raw and delignified Colombian fique fibers, tow and pulp. Cellulose, 2018, 25, 151-165.	2.4	40
8	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
9	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
10	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
11	In situ synthesis of gold nanoparticles using fique natural fibers as template. Cellulose, 2012, 19, 1933-1943.	2.4	31
12	Selective ionization by electron-transfer MALDI-MS of vanadyl porphyrins from crude oils. Fuel, 2018, 226, 103-111.	3.4	29
13	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
14	Nanocellulose as an inhibitor of water-in-crude oil emulsion formation. Fuel, 2020, 264, 116830.	3.4	24
15	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
16	Facile cellulose nanofibrils amidation using a â€˜one-potâ€™ approach. Cellulose, 2017, 24, 717-730.	2.4	22
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	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

#	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	Amidated Cellulose Nanofibrils as Demulsifying Agents for a Natural Water-in-Heavy-Crude-Oil Emulsion. Energy & Fuels, 2020, 34, 14012-14022.	2.5	17
21	Perspectives in Nanocellulose for Crude Oil Recovery: A Minireview. Energy & Fuels, 2021, 35, 15381-15397.	2.5	14
22	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
23	Synthesis of cellulose nanofiber hydrogels from fique tow and Ag nanoparticles. Cellulose, 2020, 27, 9947-9961.	2.4	9
24	Cellulose biosynthesis using simple sugars available in residual cacao mucilage exudate. Carbohydrate Polymers, 2021, 274, 118645.	5.1	9
25	Asphaltene Structure Modifiers as a Novel Approach for Viscosity Reduction in Heavy Crude Oils. Energy & Fuels, 2020, 34, 5251-5257.	2.5	7
26	Molecular grafting of nanoparticles onto sisal fibers - adhesion to cementitious matrices and novel functionalities. Journal of Molecular Structure, 2021, 1234, 130171.	1.8	5
27	Mass Balance and Compositional Analysis of Biomass Outputs from Cacao Fruits. Molecules, 2022, 27, 3717.	1.7	5
28	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