

Jairo Ren Martinez

List of Publications by Citations

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43
papers

1,381
citations

18
h-index

37
g-index

50
ext. papers

1,512
ext. citations

3
avg, IF

4.26
L-index

#	Paper	IF	Citations
43	Comparison of different extraction methods for the analysis of volatile secondary metabolites of <i>Lippia alba</i> (Mill.) N.E. Brown, grown in Colombia, and evaluation of its in vitro antioxidant activity. <i>Journal of Chromatography A</i> , 2004 , 1025, 93-103	4.5	210
42	Chemical composition and antiprotozoal activities of Colombian <i>Lippia</i> spp essential oils and their major components. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2010 , 105, 184-90	2.6	115
41	Derivatization and solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 553-561	14.6	101
40	Analysis of volatile secondary metabolites from Colombian <i>Xylopia aromatica</i> (Lamarck) by different extraction and headspace methods and gas chromatography. <i>Journal of Chromatography A</i> , 2004 , 1025, 105-13	4.5	90
39	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	4.5	85
38	<i>Lippia organoides</i> chemotype differentiation based on essential oil GC-MS and principal component analysis. <i>Journal of Separation Science</i> , 2010 , 33, 93-103	3.4	74
37	Sampling volatile compounds from natural products with headspace/solid-phase micro-extraction. <i>Journal of Proteomics</i> , 2007 , 70, 235-42		64
36	Solid-phase microextraction with on-fibre derivatisation applied to the analysis of volatile carbonyl compounds. <i>Journal of Chromatography A</i> , 2000 , 886, 175-82	4.5	63
35	Sampling flower scent for chromatographic analysis. <i>Journal of Separation Science</i> , 2008 , 31, 2022-31	3.4	54
34	Inhibitory effect of essential oils obtained from plants grown in Colombia on yellow fever virus replication in vitro. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2009 , 8, 8	6.2	53
33	High-resolution gas-chromatographic analysis of the secondary metabolites obtained by subcritical-fluid extraction from Colombian rue (<i>Ruta graveolens</i> L.). <i>Journal of Proteomics</i> , 2000 , 43, 379-90		48
32	SPME determination of volatile aldehydes for evaluation of in-vitro antioxidant activity. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 70-4	4.4	47
31	Comparison of extraction methods and detection systems in the gas chromatographic analysis of volatile carbonyl compounds. <i>Journal of Chromatography A</i> , 1997 , 779, 360-9	4.5	44
30	HRGC/FID/NPD and HRGGC/MSD study of Colombian ylang-ylang (<i>Cananga odorata</i>) oils obtained by different extraction techniques. <i>Journal of High Resolution Chromatography</i> , 1996 , 19, 353-358		43
29	Chromatographic and mass spectrometric characterization of essential oils and extracts from <i>Lippia</i> (Verbenaceae) aromatic plants. <i>Journal of Separation Science</i> , 2013 , 36, 192-202	3.4	37
28	HRGC/FID and HRGC/MSD Analysis of the Secondary Metabolites Obtained by Different Extraction Methods from <i>Lepechinia schiedeana</i> , and in Vitro Evaluation of Its Antioxidant Activity. <i>Journal of High Resolution Chromatography</i> , 1999 , 22, 343-349		30
27	HRGC and GCMS analysis of essential oil from colombian ylang-ylang (<i>Cananga odorata</i> Hook fil. et Thomson, forma genuina). <i>Journal of High Resolution Chromatography</i> , 1993 , 16, 441-444		25

26	Antiprotozoal activity of essential oils derived from Piper spp. grown in Colombia. <i>Journal of Essential Oil Research</i> , 2013 , 25, 512-519	2.3	19
25	GC-MS study of compounds isolated from Coffea arabica flowers by different extraction techniques. <i>Journal of Separation Science</i> , 2013 , 36, 2901-14	3.4	17
24	Anethole isomerization and dimerization induced by acid sites or UV irradiation. <i>Molecules</i> , 2010 , 15, 5012-30	4.8	13
23	HS-SPME determination of volatile carbonyl and carboxylic compounds in different matrices. <i>Journal of Chromatographic Science</i> , 2006 , 44, 347-53	1.4	13
22	Synthesis and antiparasitic properties of new 4-N-benzylamino-4-hetarylbut-1-enes. <i>Archiv Der Pharmazie</i> , 2005 , 338, 32-7	4.3	12
21	Synthesis and spectral data of unknown lilolidine spiro derivatives. <i>Journal of Heterocyclic Chemistry</i> , 1999 , 36, 675-679	1.9	12
20	Chemistry of functionalized benzazepines. 5. Synthesis and chemical transformation of the 1,2,4,5-tetrahydrospiro-[3H-2-benzazepine-3,1?-cycloalkanes]. <i>Journal of Heterocyclic Chemistry</i> , 1997 , 34, 1591-1595	1.9	11
19	Catalytic transformation of copaiba (<i>Copaifera officinalis</i>) oil over zeolite ZSM-5. <i>Journal of High Resolution Chromatography</i> , 1995 , 18, 54-58		11
18	Optimization of flavonoids extraction from Lippia graveolens and Lippia organoides chemotypes with ethanol-modified supercritical CO ₂ after steam distillation. <i>Industrial Crops and Products</i> , 2020 , 146, 112170	5.9	11
17	High-resolution gas chromatography with nitrogen-phosphorous detection of saturated volatile aldehydes derivatized with 2-hydrazinobenzothiazole. <i>Journal of Chromatography A</i> , 1996 , 752, 209-216	4.5	10
16	Determination of the volatile and semi-volatile secondary metabolites, and aristolochic acids in <i>Aristolochia ringens</i> Vahl. <i>Journal of Chromatographic Science</i> , 2009 , 47, 817-21	1.4	9
15	Chemical Composition of the Essential Oil of <i>Morina longifolia</i> Wall. Leaves. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2013 , 19, 348-356	0.9	7
14	Analysis of essential oils isolated by steam distillation from <i>Swinglea glutinosa</i> fruits and leaves. <i>Journal of Essential Oil Research</i> , 2015 , 27, 276-282	2.3	7
13	Ion [C ₅ H ₅ O] ⁺ formation in the electron-impact mass spectra of 4-substituted N-(2-furylmethyl)anilines. Relative abundance prediction ability of the DFT calculations. <i>Computational and Theoretical Chemistry</i> , 2006 , 769, 83-85		7
12	A computational study and valence bond approach to the intramolecular electrophilic aromatic substitution mechanism of ortho-allyl-N-benzylanilines. <i>Tetrahedron</i> , 2008 , 64, 7407-7418	2.4	6
11	Composition of Three Essential Oils, and their Mammalian Cell Toxicity and Antimycobacterial Activity against Drug Resistant-Tuberculosis and Nontuberculous Mycobacteria Strains. <i>Natural Product Communications</i> , 2011 , 6, 1934578X1100601	0.9	5
10	LC/MS study of the diversity and distribution of pyrrolizidine alkaloids in <i>Crotalaria</i> species growing in Colombia. <i>Journal of Separation Science</i> , 2020 , 43, 4322-4337	3.4	5
9	Formulation of a new generic density-based model for modeling solubility of polyphenols in supercritical carbon dioxide and ethanol. <i>Journal of Supercritical Fluids</i> , 2014 , 85, 116-122	4.2	4

8	Linear free energy relationships in C-N bond dissociations in molecular ions of 4-substituted N-(2-furylmethyl)anilines in the gas phase. <i>Journal of Mass Spectrometry</i> , 2007 , 42, 1496-503	2.2	4
7	Photoprotective Activity of Ipomoea horsfalliae Flower Extract. <i>Revista Brasileira De Farmacognosia</i> , 2020 , 30, 69-79	2	3
6	Catalytic transformation of anise (Pimpinella anisum L.) oil over zeolite Y. <i>Journal of High Resolution Chromatography</i> , 1995 , 18, 501-503		3
5	Identification of Essential Oil Components 2017 , 57-117		2
4	CFD modelling of biomass boilers - a review of the state of the art. <i>Respuestas</i> , 2020 , 25,	0.3	2
3	HS-SPME/GC/GC-MS Analysis of Volatile Constituents of Morina longifolia Wall.. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2018 , 21, 155-163	1.7	1
2	Study of Essential Oils Obtained from Tropical Plants Grown in Colombia 2020 ,		1
1	The Expression of Biodiversity in the Secondary Metabolites of Aromatic Plants and Flowers Growing in Colombia 2018 ,		1