

Roberto Muñiz-Valencia

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

767
citations

567281

15
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526287

27
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43
all docs

43
docs citations

43
times ranked

1144
citing authors

#	ARTICLE	IF	CITATIONS
1	Method development and validation for melamine and its derivatives in rice concentrates by liquid chromatography. Application to animal feed samples. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 523-531.	3.7	131
2	Preparation of activated carbons from pecan nutshell and their application in the antagonistic adsorption of heavy metal ions. <i>Journal of Molecular Liquids</i> , 2017, 230, 686-695.	4.9	102
3	Direct immersion single drop micro-extraction method for multi-class pesticides analysis in mango using GC-MS. <i>Food Chemistry</i> , 2017, 237, 30-38.	8.2	59
4	Hollow fiber liquid phase microextraction combined with liquid chromatography-tandem mass spectrometry for the analysis of emerging contaminants in water samples. <i>Microchemical Journal</i> , 2018, 140, 87-95.	4.5	48
5	Some practical considerations for linearity assessment of calibration curves as function of concentration levels according to the fitness-for-purpose approach. <i>Talanta</i> , 2017, 172, 221-229.	5.5	46
6	Validation and assessment of matrix effect and uncertainty of a gas chromatography coupled to mass spectrometry method for pesticides in papaya and avocado samples. <i>Journal of Food and Drug Analysis</i> , 2017, 25, 501-509.	1.9	41
7	Characterization of Mexican coffee according to mineral contents by means of multilayer perceptrons artificial neural networks. <i>Journal of Food Composition and Analysis</i> , 2014, 34, 7-11.	3.9	29
8	Supercritical fluid chromatography with photodiode array detection for pesticide analysis in papaya and avocado samples. <i>Journal of Separation Science</i> , 2015, 38, 1240-1247.	2.5	26
9	Characterisation of tequila according to their major volatile composition using multilayer perceptron neural networks. <i>Food Chemistry</i> , 2013, 136, 1309-1315.	8.2	25
10	Importance of the interaction adsorbent-adsorbate in the dyes adsorption process and DFT modeling. <i>Journal of Molecular Structure</i> , 2020, 1203, 127398.	3.6	25
11	Cyclohexane and benzene separation by fixed-bed adsorption on activated carbons prepared from coconut shell. <i>Environmental Technology and Innovation</i> , 2022, 25, 102076.	6.1	23
12	Geographical Authentication of Tequila According to its Mineral Content by Means of Support Vector Machines. <i>Food Analytical Methods</i> , 2012, 5, 260-265.	2.6	21
13	Dynamic adsorption separation of benzene/cyclohexane mixtures on micro-mesoporous silica SBA-2. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109942.	4.4	20
14	Analytical method development for the determination of emerging contaminants in water using supercritical-fluid chromatography coupled with diode-array detection. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4219-4226.	3.7	18
15	Liquid chromatographic method development for steroids determination (corticoids and anabolics). <i>Journal of Chromatography A</i> , 2007, 1156, 321-330.	3.7	16
16	Emerging contaminant determination in water samples by liquid chromatography using a monolithic column coupled with a photodiode array detector. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4661-4670.	3.7	15
17	Cytotoxic Acetogenins from the Roots of <i>Annona purpurea</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 1870.	4.1	14
18	Geographical Differentiation of Green Coffees According to Their Metal Content by Means of Supervised Pattern Recognition Techniques. <i>Food Analytical Methods</i> , 2013, 6, 1271-1277.	2.6	9

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19	Analytical Method for Pesticides in Avocado and Papaya by Means of Ultra-High Performance Liquid Chromatography Coupled to a Triple Quadrupole Mass Detector: Validation and Uncertainty Assessment. <i>Journal of Food Science</i> , 2018, 83, 2265-2272.	3.1	9
20	Validation of an HPLC-DAD method for the determination of plant phenolics. <i>Revista Brasileira De Farmacognosia</i> , 2019, 29, 689-693.	1.4	9
21	Influence of calcium species on SO ₂ adsorption capacity of a novel carbonaceous materials and their ANN modeling. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104810.	6.7	8
22	A liquid chromatography method using a monolithic column for the determination of corticoids in animal feed and animal feeding water. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2683-2691.	3.7	7
23	GC-MS method development and validation for anabolic steroids in feed samples. <i>Journal of Separation Science</i> , 2008, 31, 727-734.	2.5	7
24	Propylsulfonic acid grafted on mesoporous siliceous FDU-5 material: A high TOF catalyst for the synthesis of coumarins via Pechmann condensation. <i>Microporous and Mesoporous Materials</i> , 2020, 307, 110458.	4.4	7
25	Liquid chromatographic method development for anabolic androgenic steroids using a monolithic column. <i>Analytica Chimica Acta</i> , 2008, 611, 103-112.	5.4	6
26	Comparative study of As, Cd, Cu, Cr, Mg, Mn, Ni, Pb and Zn concentrations between sediment and water from estuary and port. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1333-1342.	3.5	6
27	Measurement of organochlorine pesticides in drinking water: laboratory technical proficiency testing in Mexico. <i>Accreditation and Quality Assurance</i> , 2019, 24, 451-461.	0.8	5
28	HPLC-DAD method for the detection of five anopurpuricins in root samples of <i>Annona purpurea</i> . <i>Phytochemical Analysis</i> , 2020, 31, 472-479.	2.4	5
29	Utilization of mango wastes as a potential feedstock for the production of HMF. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5145-5152.	4.6	5
30	Acaricidal, ovicidal and fago inhibition activities of seed extracts from <i>Swietenia humilis</i> against <i>Tetranychus urticae</i> under laboratory conditions. <i>Industrial Crops and Products</i> , 2022, 177, 114494.	5.2	5
31	HPLC-DAD method development and validation for the quantification of hydroxymethylfurfural in corn chips by means of response surface optimisation. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 2101-2110.	2.3	4
32	Method development validation for corticoids in animal feed samples by liquid chromatography using a monolithic column. <i>Journal of Separation Science</i> , 2007, 30, 2950-2957.	2.5	3
33	Hollow fiber liquid-phase microextraction combined with supercritical fluid chromatography coupled to mass spectrometry for multiclass emerging contaminant quantification in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2467-2479.	3.7	3
34	Sample preparation for the determination of steroids (corticoids and anabolics) in feed using LC. <i>Journal of Separation Science</i> , 2008, 31, 2303-2309.	2.5	2
35	Antifungal activity of <i>Swietenia humilis</i> (Meliaceae: Sapindales) seed extracts against <i>Curvularia eragrostidis</i> (Ascomycota: Dothideomycetes). <i>Journal of Plant Diseases and Protection</i> , 2021, 128, 471-479.	2.9	2
36	Quantitative screening for steroids in animal feeding water using reversed phase LC with gradient elution. <i>Journal of Separation Science</i> , 2008, 31, 219.	2.5	1

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37	Synthesis of porous Mn ₃ O ₄ microparticles by the KMnO ₄ –AC reduction and combustion system. Particulate Science and Technology, 2017, 35, 173-176.	2.1	1
38	Determinación de plaguicidas en suelo agrícola mediante extracción en fase sólida y cromatografía de líquidos de alta eficiencia (HPLC) acoplada a un detector de arreglo de diodos (DAD). Acta Universitaria, 0, 29, 1-14.	0.2	1
39	Crystal structure of a new polymorph of 3-acetyl-8-methoxy-2 <i>H</i> -chromen-2-one. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1866-1870.	0.5	0
40	Study of feces of neotropical otters (<i>Lontra longicaudis</i>) in the Ayuquila-Armería basin, Mexico as biomonitors of the spatiotemporal distribution of pesticides. Environmental Monitoring and Assessment, 2022, 194, .	2.7	0