

Zenilda Lourdes Cardeal

List of Publications by Year in descending order

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87
papers

1,784
citations

218662

26
h-index

315719

38
g-index

88
all docs

88
docs citations

88
times ranked

2345
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Polycyclic Aromatic Hydrocarbons in Eggs Exposed to Fire Using a Simple and Efficient Method. <i>Food Analytical Methods</i> , 2021, 14, 1194-1201.	2.6	0
2	Assessment of pesticides in water using time-weighted average calibration of passive sampling device manufactured with carbon nanomaterial coating on stainless steel wire. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3315-3327.	3.7	9
3	Assessment of polycyclic aromatic hydrocarbons and derivatives in beer using a new cold fiber-solid phase microextraction system. <i>Food Control</i> , 2021, 126, 108104.	5.5	12
4	Effects of high-dose bisphenol A on the mouse oral mucosa: A possible link with oral cancers. <i>Environmental Pollution</i> , 2021, 286, 117296.	7.5	8
5	A new pyrolytic process with potential to convert free fatty acids into long chain nitriles and H ₂ intermediated by Fe nitrate. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 145, 104726.	5.5	2
6	Perspectives of Biological Analysis in Latin America Using Multi and Comprehensive Two-Dimensional Gas Chromatography: A Mini-review. <i>Chromatographia</i> , 2020, 83, 1045-1053.	1.3	1
7	Saliva biomonitoring using LPME-GC/MS method to assess dentistry exposure to plasticizers. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7799-7810.	3.7	17
8	Metabolomic studies of amino acid analysis in <i>Saccharomyces</i> cells exposed to selenium and gamma irradiation. <i>Analytical Biochemistry</i> , 2020, 597, 113666.	2.4	3
9	Passive and grab sampling methods to assess pesticide residues in water. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1019-1048.	16.2	39
10	Phase distribution of polycyclic aromatic hydrocarbons and their oxygenated and nitrated derivatives in the ambient air of a Brazilian urban area†. <i>Chemosphere</i> , 2020, 250, 126223.	8.2	18
11	A new carbon nanomaterial solid-phase microextraction to pre-concentrate and extract pesticides in environmental water. <i>Talanta</i> , 2020, 217, 121011.	5.5	32
12	Improved method for quantification of persistent organic pollutants and its remediation using modified clays materials. <i>Microchemical Journal</i> , 2019, 150, 104081.	4.5	3
13	Determination of Amino Acids in Plasma Samples of Preeclampsia Patients by Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2019, , .	0.6	0
14	Study of possible association between endometriosis and phthalate and bisphenol A by biomarkers analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 238-242.	2.8	23
15	Amino Acid Biosignature in Plasma among Ischemic Stroke Subtypes. <i>BioMed Research International</i> , 2019, 2019, 1-11.	1.9	21
16	New passive sampling device for effective monitoring of pesticides in water. <i>Analytica Chimica Acta</i> , 2019, 1054, 26-37.	5.4	34
17	Determination of polycyclic aromatic hydrocarbons and their nitrated and oxygenated derivatives in coffee brews using an efficient cold fiber-solid phase microextraction and gas chromatography mass spectrometry method. <i>Journal of Chromatography A</i> , 2019, 1584, 64-71.	3.7	50
18	<i>Simplicillium coffeanum</i> , a new endophytic species from Brazilian coffee plants, emitting antimicrobial volatiles. <i>Phytotaxa</i> , 2018, 333, 188.	0.3	21

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19	Analysis of Alkylphenols and Phthalates in Vegetables Using SPME and Comprehensive Two-dimensional Gas Chromatography. <i>Current Chromatography</i> , 2018, 5, 65-71.	0.3	1
20	Versatile magnetic carbon nanotubes for sampling and pre concentration of pesticides in environmental water. <i>Talanta</i> , 2017, 167, 538-543.	5.5	39
21	Environmental and biological determination of acrolein using new cold fiber solid phase microextraction with gas chromatography mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2821-2828.	3.7	16
22	Improved Method to Assess Polycyclic Aromatic Hydrocarbons in Atmospheric Gas Particles in Belo Horizonte, Brazil. <i>Polycyclic Aromatic Compounds</i> , 2017, 37, 219-233.	2.6	4
23	Use of exhaled air as an improved biomonitoring method to assess perchloroethylene short-term exposure. <i>Environmental Research</i> , 2017, 156, 108-112.	7.5	7
24	Hollow fiber liquid-phase microextraction-gas chromatography-mass spectrometry method to analyze bisphenol A and other plasticizer metabolites. <i>Journal of Chromatography A</i> , 2017, 1481, 31-36.	3.7	55
25	Efficient extraction method using magnetic carbon nanotubes to analyze cocaine and benzoylecgonine in breast milk by GC/MS. <i>Bioanalysis</i> , 2017, 9, 1655-1666.	1.5	9
26	A Simple and Quick Method for the Determination of Pesticides in Environmental Water by HF-LPME-GC/MS. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-11.	1.6	30
27	Assessment of volatile organic compounds from banana Terra subjected to different alcoholic fermentation processes. <i>Food Science and Technology</i> , 2016, 36, 510-519.	1.7	3
28	Analysis of Endocrine Disrupting Chemicals in Food Samples. , 2016, , 427-438.		0
29	Quantitative Analysis of Endocrine Disruptors by Comprehensive Two-Dimensional Gas Chromatography. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	0
30	Magnetic N-doped carbon nanotubes: A versatile and efficient material for the determination of polycyclic aromatic hydrocarbons in environmental water samples. <i>Analytica Chimica Acta</i> , 2015, 873, 51-56.	5.4	41
31	Analysis of plasticiser migration to meat roasted in plastic bags by SPME-GC/MS. <i>Food Chemistry</i> , 2015, 178, 195-200.	8.2	50
32	Identification of aroma-active volatiles in banana Terra spirit using multidimensional gas chromatography with simultaneous mass spectrometry and olfactometry detection. <i>Journal of Chromatography A</i> , 2015, 1388, 227-235.	3.7	29
33	New method for the determination of bile acids in human plasma by liquid-phase microextraction using liquid chromatography-ion-trap-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1388, 102-109.	3.7	23
34	Magnetic amphiphilic hybrid carbon nanotubes containing N-doped and undoped sections: powerful tensioactive nanostructures. <i>Nanoscale</i> , 2015, 7, 294-300.	5.6	34
35	Determination of polycyclic aromatic hydrocarbons in artisanal cachaça by DI-CF-SPME-GC/MS. <i>Microchemical Journal</i> , 2015, 118, 272-277.	4.5	24
36	Analysis of Phthalate Migration to Food Simulants in Plastic Containers during Microwave Operations. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 507-526.	2.6	41

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37	Sampling and analysis of metabolomes in biological fluids. <i>Analyst, The</i> , 2014, 139, 3683-3694.	3.5	34
38	Neurochemical study of amino acids in rodent brain structures using an improved gas chromatography–mass spectrometry method. <i>Journal of Chemical Neuroanatomy</i> , 2014, 55, 24-37.	2.1	11
39	An alternative derivatization method for the analysis of amino acids in cerebrospinal fluid by gas chromatography–mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 931, 97-102.	2.3	32
40	Evaluation of Methods Used for the Analysis of Volatile Organic Compounds of Sugarcane (Cachaça) and Fruit Spirits. <i>Food Analytical Methods</i> , 2013, 6, 978-988.	2.6	19
41	Using SPME–GC/MS to Evaluate Acrolein Production in Cassava and Pork Sausage Fried in Different Vegetable Oils. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2013, 90, 1795-1800.	1.9	10
42	Multi-residue method for the analysis of pesticides in Arabica coffee using liquid chromatography/tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 1308-1315.	2.3	11
43	Sampling and Analytical Methods for Determining VOC in Air by Biomonitoring Human Exposure. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 1-39.	12.8	19
44	New method to determination of naphthalene in ambient air using cold fiber-solid phase microextraction and gas chromatography–mass spectrometry. <i>Microchemical Journal</i> , 2013, 109, 93-97.	4.5	17
45	A sensitive GC/MS method using cold fiber SPME to determine polycyclic aromatic hydrocarbons in spring water. <i>Microchemical Journal</i> , 2013, 110, 209-214.	4.5	35
46	Analytical Methods to Assess Carbonyl Compounds in Foods and Beverages. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	5
47	Microwave-Assisted Derivatization of Bile Acids for Gas Chromatography/Mass Spectrometry Determination. , 2013, 2013, 1-6.		1
48	Electrospray Ionization Mass Spectrometry (ESI-MS) monitoring of the photolysis of diazinon in aqueous solution: Degradation route and toxicity of by-products against <i>Artemia salina</i> . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 171-176.	1.5	4
49	Desenvolvimento de um novo sistema de microextração em fase sólida com fibra resfriada. <i>Scientia Chromatographica</i> , 2013, 5, 301-309.	0.2	1
50	Study of polycyclic aromatic hydrocarbons in atmospheric particulate matter of an urban area with iron and steel mills. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1470-1477.	4.3	10
51	Determination of acrolein in french fries by solid-phase microextraction gas chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 3332-3336.	3.7	53
52	Determination of polycyclic aromatic hydrocarbons from ambient air particulate matter using a cold fiber solid phase microextraction gas chromatography–mass spectrometry method. <i>Journal of Chromatography A</i> , 2011, 1218, 3300-3305.	3.7	61
53	Analysis of volatile organic compounds in polyurethane coatings based on Eucalyptus sp. bio-oil pitch using comprehensive two-dimensional gas chromatography (GC – GC). <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 88, 91-97.	5.5	19
54	Degradation of Prototype Pesticides Submitted to Conventional Water Treatment Conditions: The Influence of Major Parameters. <i>Water, Air, and Soil Pollution</i> , 2010, 211, 427-434.	2.4	5

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55	Studies of the Analysis of Pesticide Degradation in Environmental Samples. <i>Current Analytical Chemistry</i> , 2010, 6, 237-248.	1.2	10
56	SPME-GC-FID method development for analyzing cyclohexanone hydrogenation products. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 530-534.	0.6	1
57	Sampling of benzene in environmental and exhaled air by solid-phase microextraction and analysis by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 2583-2589.	3.7	26
58	Determination of volatile compounds in Brazilian distilled cachaça by using comprehensive two-dimensional gas chromatography and effects of production pathways. <i>Journal of Chromatography A</i> , 2009, 1216, 2881-2890.	3.7	47
59	Analysis of hydroxylated polycyclic aromatic hydrocarbons in urine using comprehensive two-dimensional gas chromatography with a flame ionization detector. <i>Journal of Chromatography A</i> , 2009, 1216, 2900-2904.	3.7	38
60	Comprehensive two-dimensional gas chromatography-mass spectrometry analysis and comparison of volatile organic compounds in Brazilian cachaça and selected spirits. <i>Food Chemistry</i> , 2009, 112, 747-755.	8.2	60
61	DIRIGINDO O OLHAR PARA O EFEITO ESTUFA NOS LIVROS DIDÁTICOS DE ENSINO MÃDIO: ÃSIMPLES ENTENDER ESSE FENÃMENO?. <i>Ensaio Pesquisa Em EducaÃo Em CiÃncias</i> , 2009, 11, 7-24.	0.4	3
62	An optimized method for determination of benzene in exhaled air by gas chromatography-mass spectrometry using solid phase microextraction as a sampling technique. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 865, 141-146.	2.3	35
63	Comprehensive two-dimensional gas chromatography for fingerprint pattern recognition in cachaça production. <i>Talanta</i> , 2008, 74, 793-799.	5.5	72
64	Breath air analysis and its use as a biomarker in biological monitoring of occupational and environmental exposure to chemical agents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 853, 1-9.	2.3	70
65	Analysis of Organophosphorus Pesticides in Whole Milk by Solid Phase Microextraction Gas Chromatography Method. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2006, 41, 369-375.	1.5	24
66	Comprehensive two-dimensional gas chromatography/mass spectrometric analysis of pepper volatiles. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2823-2836.	1.5	95
67	Analysis of amides in the air by sampling with SPME and detection by GC-FID. <i>Journal of Separation Science</i> , 2006, 29, 346-350.	2.5	4
68	Development of a solid phase microextraction-gas chromatography method to determine N-hydroxymethyl-N-methylformamide and N-methylformamide in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 828, 103-107.	2.3	4
69	A solid-phase microextraction method for the chromatographic determination of organophosphorus pesticides in fish, water, potatoes, guava and coffee. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 907-914.	0.6	17
70	Analysis of volatile compounds in some typical Brazilian fruits and juices by SPME-GC method. <i>Food Additives and Contaminants</i> , 2005, 22, 508-513.	2.0	20
71	Amostragem de compostos orgÃnicos volÃteis no ar utilizando a tÃcnica de microextraÃo em fase sÃlida. <i>Quimica Nova</i> , 2005, 28, 646-654.	0.3	13
72	Analysis of Airborne Volatile Organic Compounds of a Steel Industry by Solid Phase Microextraction and Gas Chromatography/Mass Spectrometry. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2003, 70, 957-963.	2.7	3

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73	Headspace solid-phase micro-extraction gas chromatography method for the determination of methanol in aspartame sweeteners. <i>Food Additives and Contaminants</i> , 2003, 20, 519-523.	2.0	13
74	Evaluation of Indoor Exposition to Benzene, Toluene, Ethylbenzene, Xylene, and Styrene by Passive Sampling with a Solid-Phase Microextraction Device. <i>Journal of Chromatographic Science</i> , 2002, 40, 122-126.	1.4	24
75	A Headspace Solid-Phase Microextraction Method for the Determination of Some Secondary Compounds of Brazilian Sugar Cane Spirits by Gas Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 3533-3539.	5.2	64
76	Desenvolvimento de um método de MEFS com CG-DIC para determinação de 1,4 dioxana em amostras de cosméticos. <i>Quimica Nova</i> , 2001, 24, 748-750.	0.3	2
77	A Headspace gas chromatographic method for the analysis of cyclohexanone and cyclohexanol in a system involving metalloporphyrins as catalyst. <i>Chromatographia</i> , 2001, 53, 529-533.	1.3	0
78	Solid-Phase Microextraction Method for the Quantitative Analysis of Styrene in Water. <i>Journal of Chromatographic Science</i> , 2000, 38, 315-318.	1.4	20
79	Determinação de pesticidas organofosforados em água usando microextração em fase sólida e CGAR-EM. <i>Quimica Nova</i> , 1999, 22, 197-200.	0.3	9
80	Perfil sócio-econômico dos alunos, repetência e evasão no curso de Química da UFMG. <i>Quimica Nova</i> , 1997, 20, 438-444.	0.3	12
81	Analysis of Polycyclic Aromatic Hydrocarbons by Supercritical Fluid Chromatography Using an Improved Binary Gradient as Mobile Phase. <i>Journal of the Brazilian Chemical Society</i> , 1996, 7, 103-108.	0.6	2
82	Cyanide Assay: Statistical Comparison of a New Gas Chromatographic Calibration Method versus the Classical Spectrophotometric Method. <i>Journal of Analytical Toxicology</i> , 1995, 19, 31-34.	2.8	18
83	Determination of HCN by headspace gas chromatography using an improved method of standardisation. <i>Chromatographia</i> , 1993, 37, 613-617.	1.3	10
84	New Calibration Method for Gas Chromatographic Assay of Carbon Monoxide in Blood. <i>Journal of Analytical Toxicology</i> , 1993, 17, 193-195.	2.8	22
85	Mise au point d'un point d'un procédé d'étalonnage du dosage de l'oxyde d'éthylène. <i>Analytica Chimica Acta</i> , 1992, 254, 365-368.	5.4	0
86	Analytical Methods for Performing Pesticide Degradation Studies in Environmental Samples. , 0, , .		0
87	Assessment of polycyclic aromatic hydrocarbons from industrial stack emissions in a Brazilian urban area. <i>International Journal of Environmental Studies</i> , 0, , 1-13.	1.6	0