

Eduardo Carasek da Rocha

List of Publications by Citations

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182
papers

4,240
citations

38
h-index

54
g-index

198
ext. papers

4,640
ext. citations

4.4
avg, IF

5.88
L-index

#	Paper	IF	Citations
182	New sorbents for extraction and microextraction techniques. <i>Journal of Chromatography A</i> , 2010 , 1217, 2533-42	4.5	204
181	Screening of tropical fruit volatile compounds using solid-phase microextraction (SPME) fibers and internally cooled SPME fiber. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 8688-96	5.7	119
180	Membrane-based microextraction techniques in analytical chemistry: A review. <i>Analytica Chimica Acta</i> , 2015 , 880, 8-25	6.6	113
179	Application of fractional factorial experimental and Box-Behnken designs for optimization of single-drop microextraction of 2,4,6-trichloroanisole and 2,4,6-tribromoanisole from wine samples. <i>Journal of Chromatography A</i> , 2007 , 1148, 131-6	4.5	111
178	Headspace solid-phase microextraction-gas chromatographic-time-of-flight mass spectrometric methodology for geographical origin verification of coffee. <i>Analytica Chimica Acta</i> , 2008 , 617, 72-84	6.6	108
177	High-Resolution Continuum Source Atomic and Molecular Absorption Spectrometry A Review. <i>Applied Spectroscopy Reviews</i> , 2010 , 45, 327-354	4.5	81
176	Chromium speciation and preconcentration using zirconium(IV) and zirconium(IV) phosphate chemically immobilized onto silica gel surface using a flow system and F AAS. <i>Talanta</i> , 2005 , 65, 537-42	6.2	80
175	Determination of fluorine in tea using high-resolution molecular absorption spectrometry with electrothermal vaporization of the calcium mono-fluoride CaF. <i>Talanta</i> , 2011 , 85, 2681-5	6.2	71
174	Preparation and application of NiTi alloy coated with ZrO(2) as a new fiber for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2007 , 1164, 18-24	4.5	67
173	Simultaneous determination of polycyclic aromatic hydrocarbons and benzene, toluene, ethylbenzene and xylene in water samples using a new sampling strategy combining different extraction modes and temperatures in a single extraction solid-phase microextraction-gas chromatography-mass spectrometry procedure. <i>Journal of Chromatography A</i> , 2012 , 1233, 22-9	4.5	66
172	Cork as a new (green) coating for solid-phase microextraction: determination of polycyclic aromatic hydrocarbons in water samples by gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2013 , 772, 33-9	6.6	66
171	Development of a flow system for the determination of cadmium in fuel alcohol using vermicompost as biosorbent and flame atomic absorption spectrometry. <i>Talanta</i> , 2009 , 78, 333-6	6.2	65
170	Fast and sensitive method to determine chloroanisoles in cork using an internally cooled solid-phase microextraction fiber. <i>Journal of Chromatography A</i> , 2007 , 1138, 10-7	4.5	65
169	Chelating resin from functionalization of chitosan with complexing agent 8-hydroxyquinoline: application for metal ions on line preconcentration system. <i>Analytica Chimica Acta</i> , 2004 , 521, 157-162	6.6	63
168	Determination of cadmium in alcohol fuel using <i>Moringa oleifera</i> seeds as a biosorbent in an on-line system coupled to FAAS. <i>Talanta</i> , 2010 , 80, 1133-8	6.2	58
167	A fast and accurate method for the determination of total and soluble fluorine in toothpaste using high-resolution graphite furnace molecular absorption spectrometry and its comparison with established techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 54, 1040-6	3.5	57
166	Application of NiTi alloy coated with ZrO ₂ as a new fiber for solid-phase microextraction for determination of halophenols in water samples. <i>Analytica Chimica Acta</i> , 2007 , 598, 254-60	6.6	57

165	Multiresidue determination of pesticides in industrial and fresh orange juice by hollow fiber microporous membrane liquid-liquid extraction and detection by liquid chromatography-electrospray-tandem mass spectrometry. <i>Talanta</i> , 2012 , 88, 573-80	6.2	56
164	Preparation and characterization of new solid-phase microextraction fibers obtained by sol-gel technology and zirconium oxide electrodeposited on NiTi alloy. <i>Journal of Chromatography A</i> , 2008 , 1187, 34-9	4.5	56
163	Speciation of Cr(III) and Cr(VI) in environmental samples determined by selective separation and preconcentration on silica gel chemically modified with niobium(V) oxide. <i>Journal of Hazardous Materials</i> , 2009 , 161, 450-6	12.8	52
162	Single drop micro-extraction with O,O-diethyl dithiophosphate for the determination of lead by electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2008 , 74, 800-5	6.2	52
161	A new method of microvolume back-extraction procedure for enrichment of Pb and Cd and determination by flame atomic absorption spectrometry. <i>Talanta</i> , 2002 , 56, 185-91	6.2	52
160	Use of green coating (cork) in solid-phase microextraction for the determination of organochlorine pesticides in water by gas chromatography-electron capture detection. <i>Talanta</i> , 2015 , 134, 409-414	6.2	48
159	Magnetic ionic liquids as versatile extraction phases for the rapid determination of estrogens in human urine by dispersive liquid-liquid microextraction coupled with high-performance liquid chromatography-diode array detection. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4689-4699	4.4	47
158	Cloud point extraction for the determination of lead and cadmium in urine by graphite furnace atomic absorption spectrometry with multivariate optimization using BoxBehnken design. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 1019-1027	3.1	46
157	Use of 8-hydroxyquinoline-chitosan chelating resin in an automated on-line preconcentration system for determination of zinc(II) by F AAS. <i>Journal of Hazardous Materials</i> , 2008 , 157, 88-93	12.8	46
156	Application of silica gel organofunctionalized with 3(1-imidazolyl)propyl in an on-line preconcentration system for the determination of copper by FAAS. <i>Talanta</i> , 2004 , 64, 181-9	6.2	46
155	A simple hollow fiber renewal liquid membrane extraction method for analysis of sulfonamides in honey samples with determination by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010 , 1217, 6449-54	4.5	45
154	A novel approach to bar adsorptive microextraction: Cork as extractor phase for determination of benzophenone, triclocarban and parabens in aqueous samples. <i>Analytica Chimica Acta</i> , 2015 , 888, 59-66	6.6	44
153	Simultaneous liquid-liquid microextraction and polypropylene microporous membrane solid-phase extraction of organochlorine pesticides in water, tomato and strawberry samples. <i>Journal of Chromatography A</i> , 2010 , 1217, 7-13	4.5	43
152	Basic principles, recent trends and future directions of microextraction techniques for the analysis of aqueous environmental samples. <i>Trends in Environmental Analytical Chemistry</i> , 2018 , 19, e00060	12	42
151	New poly(ethylene glycol) solid-phase microextraction fiber employing zirconium oxide electrolytically deposited onto a NiTi alloy as substrate for sol-gel reactions. <i>Journal of Chromatography A</i> , 2008 , 1198-1199, 54-8	4.5	41
150	Development of an on-line preconcentration system for zinc determination in biological samples. <i>Talanta</i> , 2006 , 69, 488-93	6.2	41
149	Use of Nb(2)O(5)-SiO(2) in an automated on-line preconcentration system for determination of copper and cadmium by FAAS. <i>Talanta</i> , 2004 , 62, 727-33	6.2	41
148	Simple hollow fiber renewal liquid membrane extraction method for pre-concentration of Cd(II) in environmental samples and detection by flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2009 , 638, 45-50	6.6	40

147	Novel approach to high-throughput determination of endocrine disruptors using recycled diatomaceous earth as a green sorbent phase for thin-film solid-phase microextraction combined with 96-well plate system. <i>Analytica Chimica Acta</i> , 2017 , 996, 29-37	6.6	39
146	Single drop microextraction in a 96-well plate format: A step toward automated and high-throughput analysis. <i>Analytica Chimica Acta</i> , 2019 , 1063, 159-166	6.6	39
145	Determination of volatile profile of citrus fruit by HS-SPME/GC-MS with oxidized NiTi fibers using two temperatures in the same extraction procedure. <i>Microchemical Journal</i> , 2013 , 109, 128-133	4.8	38
144	A new approach based on a combination of direct and headspace cold-fiber solid-phase microextraction modes in the same procedure for the determination of polycyclic aromatic hydrocarbons and phthalate esters in soil samples. <i>Journal of Chromatography A</i> , 2011 , 1218, 1707-14	4.5	38
143	Method development and optimization for the determination of selenium in bean and soil samples using hydride generation electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2011 , 85, 1350-6	6.2	37
142	Sulphoxine immobilized onto chitosan microspheres by spray drying: application for metal ions preconcentration by flow injection analysis. <i>Talanta</i> , 2004 , 63, 397-403	6.2	37
141	Determination of sulfur in coal using direct solid sampling and high-resolution continuum source molecular absorption spectrometry of the CS molecule in a graphite furnace. <i>Talanta</i> , 2013 , 106, 368-74	6.2	36
140	A recent overview of the application of liquid-phase microextraction to the determination of organic micro-pollutants. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 203-209	14.6	36
139	Determination of sulfur in biological samples using high-resolution molecular absorption spectrometry in a graphite furnace with direct solid sampling. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1039	3.7	34
138	A low-cost flame atomic absorption spectrometry method for determination of trace metals in aqueous samples. <i>Talanta</i> , 2000 , 51, 173-8	6.2	34
137	Novel analytical procedure using a combination of hollow fiber supported liquid membrane and dispersive liquid-liquid microextraction for the determination of aflatoxins in soybean juice by high performance liquid chromatography - Fluorescence detector. <i>Food Chemistry</i> , 2016 , 196, 292-300	8.5	33
136	Screening of volatile compounds in honey using a new sampling strategy combining multiple extraction temperatures in a single assay by HS-SPME-GC-MS. <i>Food Chemistry</i> , 2014 , 145, 1061-5	8.5	33
135	A new configuration for bar adsorptive microextraction (BAE) for the quantification of biomarkers (hexanal and heptanal) in human urine by HPLC providing an alternative for early lung cancer diagnosis. <i>Analytica Chimica Acta</i> , 2017 , 965, 54-62	6.6	30
134	A low-cost biosorbent-based coating for the highly sensitive determination of organochlorine pesticides by solid-phase microextraction and gas chromatography-electron capture detection. <i>Journal of Chromatography A</i> , 2017 , 1525, 23-31	4.5	30
133	Determination of fluorine in plant materials via calcium mono-fluoride using high-resolution graphite furnace molecular absorption spectrometry with direct solid sample introduction. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 1564-1569	3.7	30
132	Volatile compounds of leaves and fruits of <i>Mangifera indica</i> var. coquinho (Anacardiaceae) obtained using solid phase microextraction and hydrodistillation. <i>Food Chemistry</i> , 2011 , 127, 689-93	8.5	30
131	Simultaneous determination of trihalomethanes and organochlorine pesticides in water samples by direct immersion-headspace-solid phase microextraction. <i>Journal of Chromatography A</i> , 2013 , 1321, 30-7	4.5	29
130	A hybrid material as a sorbent phase for the disposable pipette extraction technique enhances efficiency in the determination of phenolic endocrine-disrupting compounds. <i>Journal of Chromatography A</i> , 2017 , 1513, 42-50	4.5	28

129	Isolation and preconcentration of Cd(II) from environmental samples using polypropylene porous membrane in a hollow fiber renewal liquid membrane extraction procedure and determination by FAAS. <i>Journal of Hazardous Materials</i> , 2010 , 177, 567-72	12.8	28
128	Detection of extraction artifacts in the analysis of honey volatiles using comprehensive two-dimensional gas chromatography. <i>Food Chemistry</i> , 2013 , 141, 1828-33	8.5	27
127	Strontium mono-chloride [A new molecule for the determination of chlorine using high-resolution graphite furnace molecular absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014 , 102, 1-6	3.1	26
126	Application of robust NiTi-ZrO ₂ -PEG SPME fiber in the determination of haloanisoles in cork stopper samples. <i>Analytica Chimica Acta</i> , 2008 , 629, 92-7	6.6	25
125	Expanding the applicability of cork as extraction phase for disposable pipette extraction in multiresidue analysis of pharmaceuticals in urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1102-1103, 159-166	3.2	25
124	An effective and high-throughput analytical methodology for pesticide screening in human urine by disposable pipette extraction and gas chromatography - mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1092, 459-465	3.2	25
123	Determination of arsenic in agricultural soil samples using High-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Talanta</i> , 2018 , 188, 722-728	6.2	24
122	Comparison of three different sample preparation procedures for the determination of traffic-related elements in airborne particulate matter collected on glass fiber filters. <i>Talanta</i> , 2012 , 88, 689-95	6.2	24
121	Evaluation of a completely automated cold fiber device using compounds with varying volatility and polarity. <i>Analytica Chimica Acta</i> , 2012 , 742, 22-9	6.6	24
120	Niobium(V) oxide coated on thin glass-ceramic rod as a solid phase microextraction fiber. <i>Talanta</i> , 2005 , 66, 74-9	6.2	24
119	Returning to Nature for the Design of Sorptive Phases in Solid-Phase Microextraction. <i>Separations</i> , 2020 , 7, 2	3.1	23
118	Determination of sulfur in crude oil using high-resolution continuum source molecular absorption spectrometry of the SnS molecule in a graphite furnace. <i>Talanta</i> , 2016 , 146, 203-8	6.2	22
117	Hollow-fiber liquid-liquid-solid micro-extraction of lead in soft drinks and determination by graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2011 , 84, 989-94	6.2	22
116	A combination of statistical and analytical evaluation methods as a new optimization strategy for the quantification of pharmaceutical residues in sewage effluent. <i>Analytica Chimica Acta</i> , 2008 , 613, 169-76	6.6	22
115	Arsenic containing medium and long chain fatty acids in marine fish oil identified as degradation products using reversed-phase HPLC-ICP-MS/ESI-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 1836-1845	3.7	22
114	Determination of chlorine in coal via the SrCl molecule using high-resolution graphite furnace molecular absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 114, 46-50	3.1	21
113	Method development for the determination of bromine in coal using high-resolution continuum source graphite furnace molecular absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014 , 96, 33-39	3.1	21
112	Fluorine determination in coal using high-resolution graphite furnace molecular absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 105, 18-24	3.1	21

111	Investigation of chemical modifiers for the direct determination of arsenic in fish oil using high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2016 , 150, 142-7	6.2	20
110	Use of two different coating temperatures for a cold fiber headspace solid-phase microextraction system to determine the volatile profile of Brazilian medicinal herbs. <i>Journal of Separation Science</i> , 2013 , 36, 1410-7	3.4	20
109	Application of an NiTi alloy coated with ZrO ₂ solid-phase microextraction fiber for determination of haloanisoles in red wine samples. <i>Mikrochimica Acta</i> , 2009 , 164, 197-202	5.8	20
108	Determination of Trace Metals in Fuel Alcohol by FAAS Using Nb ₂ O ₅ BiO ₂ as Sorbent Material in a Flow Injection On-Line Preconcentration System. <i>Analytical Letters</i> , 2004 , 37, 1909-1924	2.2	20
107	Cork sheet as a sorptive phase to extract hormones from water by rotating-disk sorptive extraction (RDSE). <i>Analytica Chimica Acta</i> , 2019 , 1087, 1-10	6.6	19
106	Coupling solid phase microextraction to complementary separation platforms for metabotyping of <i>E. coli</i> metabolome in response to natural antibacterial agents. <i>Metabolomics</i> , 2016 , 12, 1	4.7	19
105	A simple sample preparation procedure for the fast screening of selenium species in soil samples using alkaline extraction and hydride-generation graphite furnace atomic absorption spectrometry. <i>Microchemical Journal</i> , 2016 , 125, 50-55	4.8	19
104	Determination of emerging contaminants in aqueous matrices with hollow fiber-supported dispersive liquid-liquid microextraction (HF-DLLME) and separation/detection by liquid chromatography Diode array detection. <i>Microchemical Journal</i> , 2017 , 130, 371-376	4.8	18
103	Solid phase microextraction to concentrate volatile products from thermal degradation of polymers. <i>Polymer Degradation and Stability</i> , 2005 , 89, 33-37	4.7	18
102	A green and simple sample preparation method to determine pesticides in rice using a combination of SPME and rotating disk sorption devices. <i>Analytica Chimica Acta</i> , 2019 , 1069, 57-65	6.6	17
101	Determination of selenium in soil samples using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Analytical Methods</i> , 2014 , 6, 2870-2875	3.2	17
100	Determination of THMs in soft drink by solid-phase microextraction and gas chromatography. <i>Food Chemistry</i> , 2011 , 127, 290-295	8.5	17
99	Development of a high-throughput method based on thin-film microextraction using a 96-well plate system with a cork coating for the extraction of emerging contaminants in river water samples. <i>Journal of Separation Science</i> , 2018 , 41, 697-703	3.4	17
98	Frog volatile compounds: application of in vivo SPME for the characterization of the odorous secretions from two species of <i>Hypsiboas</i> treefrogs. <i>Journal of Chemical Ecology</i> , 2015 , 41, 360-72	2.7	16
97	A green and low-cost method employing switchable hydrophilicity solvent for the simultaneous determination of antidepressants in human urine by gas chromatography - mass spectrometry detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1143, 122069	3.2	16
96	Combination of hollow-fiber-supported liquid membrane and dispersive liquid-liquid microextraction as a fast and sensitive technique for the extraction of pesticides from grape juice followed by high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2015 , 38, 1959-68	3.4	16
95	Simultaneous on-line pre-concentration and determination of trace metals in environmental samples by flow injection combined with inductively coupled plasma mass spectrometry using silica gel modified with niobium(V) oxide. <i>Talanta</i> , 2008 , 74, 586-92	6.2	16
94	Hollow-fiber renewal liquid membrane extraction coupled with 96-well plate system as innovative high-throughput configuration for the determination of endocrine disrupting compounds by high-performance liquid chromatography-fluorescence and diode array detection. <i>Analytica Chimica Acta</i> , 2019 , 1040, 33-40	6.6	16

93	Exploiting green sorbents in rotating-disk sorptive extraction for the determination of parabens by high-performance liquid chromatography with tandem electrospray ionization triple quadrupole mass spectrometry. <i>Journal of Separation Science</i> , 2018 , 41, 4047-4054	3.4	16
92	Effective and High-Throughput Analytical Methodology for the Determination of Lead and Cadmium in Water Samples by Disposable Pipette Extraction Coupled with High-Resolution Continuum Source Graphite Furnace Atomic Absorption Spectrometry (HR-CS GF AAS). <i>Analytical Methods</i> , 2019 , 11, 2122-2130	2.2	15
91	A natural and renewable biosorbent phase as a low-cost approach in disposable pipette extraction technique for the determination of emerging contaminants in lake water samples. <i>Journal of Separation Science</i> , 2019 , 42, 1404-1411	3.4	15
90	Use of Doehlert design in the optimization of extraction conditions in the determination of organochlorine pesticides in bovine milk samples by HS-SPME. <i>Analytical Methods</i> , 2014 , 6, 3254-3260	3.2	15
89	Application of Nb ₂ O ₅ /BiO ₂ in Pre-Concentration and Determination of Copper and Cadmium by Flow System with Flame Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 2003 , 141, 169-174	5.8	15
88	A high throughput approach to rotating-disk sorptive extraction (RDSE) using laminar cork for the simultaneous determination of multiclass organic micro-pollutants in aqueous sample by GC-MS. <i>Talanta</i> , 2020 , 208, 120459	6.2	15
87	Determination of compounds with varied volatilities from aqueous samples using a polymeric ionic liquid sorbent coating by direct immersion-headspace solid-phase microextraction. <i>Analytical Methods</i> , 2016 , 8, 4108-4118	3.2	15
86	Low-cost approach to increase the analysis throughput of bar adsorptive microextraction (BA μ E) combined with environmentally-friendly renewable sorbent phase of recycled diatomaceous earth. <i>Talanta</i> , 2018 , 178, 886-893	6.2	15
85	Alternative Green Extraction Phases Applied to Microextraction Techniques for Organic Compound Determination. <i>Separations</i> , 2019 , 6, 35	3.1	14
84	Use of different sample temperatures in a single extraction procedure for the screening of the aroma profile of plant matrices by headspace solid-phase microextraction. <i>Journal of Chromatography A</i> , 2011 , 1218, 3731-6	4.5	14
83	Application of poly(dimethylsiloxane) fiber sol-gel coated onto NiTi alloy electrodeposited with zirconium oxide for the determination of organochlorine pesticides in herbal infusions. <i>Journal of Separation Science</i> , 2008 , 31, 2875-81	3.4	14
82	Sustainable green solvents for microextraction techniques: Recent developments and applications. <i>Journal of Chromatography A</i> , 2021 , 1640, 461944	4.5	14
81	Investigation of chemical modifiers for the determination of cadmium and chromium in fish oil and lipid matrices using HR-CS GF AAS and a simple dilute-and-shoot approach. <i>Microchemical Journal</i> , 2017 , 133, 175-181	4.8	13
80	Bract as a novel extraction phase in thin-film SPME combined with 96-well plate system for the high-throughput determination of estrogens in human urine by liquid chromatography coupled to fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1116-1119, 17-24	3.2	13
79	Application of solid-phase microextraction and gas chromatography-mass spectrometry for the determination of chlorophenols in leather. <i>Journal of Separation Science</i> , 2012 , 35, 602-7	3.4	12
78	Asymmetric reduction of (4S)-(+)-carvone catalyzed by baker's yeast: A green method for monitoring the conversion based on liquid-liquid-liquid microextraction with polypropylene hollow fiber membranes. <i>Process Biochemistry</i> , 2013 , 48, 1159-1165	4.8	12
77	The Use of a Thin Glass-Ceramic Rod as a Surface for Sol-Gel Coating in the Preparation of SPME Fibers. <i>Chromatographia</i> , 2005 , 61, 277-283	2.1	12
76	Histamine functionalized magnetic nanoparticles (HIS-MNP) as a sorbent for thin film microextraction of endocrine disrupting compounds in aqueous samples and determination by high performance liquid chromatography-fluorescence detection. <i>Journal of Chromatography A</i> , 2019 , 1602, 41-47	4.5	10

75	Expanding the applicability of magnetic ionic liquids for multiclass determination in biological matrices based on dispersive liquid-liquid microextraction and HPLC with diode array detector analysis. <i>Journal of Separation Science</i> , 2020 , 43, 2657-2665	3.4	10
74	Use of addition calibration technique for determination of acetaminophen and hydrochlorothiazide in human urine by high-performance liquid chromatography. <i>Journal of Chromatographic Science</i> , 2008 , 46, 804-8	1.4	10
73	Determination of trihalomethanes in drinking water from three different water sources in Florianopolis-Brazil using purge and trap and gas chromatography. <i>Journal of the Brazilian Chemical Society</i> , 2007 , 18, 741-747	1.5	10
72	Determination of haloanisoles in paper samples for food packaging by solid-phase microextraction and gas chromatography. <i>Mikrochimica Acta</i> , 2007 , 159, 229-234	5.8	10
71	Magnetic ionic liquids as an efficient tool for the multiresidue screening of organic contaminants in river water samples. <i>Separation Science Plus</i> , 2019 , 2, 51-58	1.1	9
70	Designing a green device to BAE: Recycled cork pellet as extraction phase for the determination of parabens in river water samples. <i>Talanta</i> , 2020 , 219, 121369	6.2	9
69	Application of disposable starch-based platforms for sample introduction and determination of refractory elements using graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 381-388	3.7	9
68	Determination of Zn(II) in alcohol fuel by flame atomic absorption spectrometry after on-line preconcentration using a solid phase extraction system. <i>Journal of Analytical Chemistry</i> , 2012 , 67, 448-454 ¹	1.1	9
67	Pré-concentração de chumbo e cádmio em um sistema de micro extração líquido-líquido e determinação por espectrometria de absorção atômica com chama. <i>Quimica Nova</i> , 2002 , 25, 748-752	1.6	9
66	A new optimization strategy for gaseous phase sampling by an internally cooled solid-phase microextraction technique. <i>Journal of Chromatography A</i> , 2011 , 1218, 367-72	4.5	8
65	Pendimethalin in surface waters of rivers in the proximity of irrigated paddy fields by solid phase microextraction and gas chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 2012 , 92, 313-323	1.8	8
64	Analysis of Volatile Compounds Released From Flowers and Roots of <i>Polygala cyparissias</i> and <i>Polygala paniculata</i> by Headspace/SPME. <i>Journal of Essential Oil Research</i> , 2009 , 21, 255-258	2.3	8
63	Analysis of zinc in biological samples by flame atomic absorption spectrometry: use of addition calibration technique. <i>Biological Trace Element Research</i> , 2006 , 111, 265-79	4.5	8
62	Glass fibers coated with Nb ₂ O ₅ for use in SPME. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 259, 15-22	5.1	8
61	Development of a DC-plasma torch constructed with graphite electrodes and an integrated nebulization system for decomposition of CCl ₄ . <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 531-534 ¹	1.5	8
60	Determination of aluminum in moisturizing body lotions using graphite furnace atomic absorption spectrometry. <i>Analytical Methods</i> , 2015 , 7, 9636-9640	3.2	7
59	A green - high throughput -extraction method based on hydrophobic natural deep eutectic solvent for the determination of emerging contaminants in water by high performance liquid chromatography - diode array detection. <i>Journal of Chromatography A</i> , 2020 , 1626, 461377	4.5	7
58	Evaluation of volatile profiles obtained for minimally-processed pineapple fruit samples during storage by headspace-solid phase microextraction gas chromatography-mass spectrometry. <i>Food Science and Technology</i> , 2017 , 37, 663-672	2	7

57	Evaluation of two membrane-based microextraction techniques for the determination of endocrine disruptors in aqueous samples by HPLC with diode array detection. <i>Journal of Separation Science</i> , 2017 , 40, 4431-4438	3.4	7
56	Determina de herbicidas usados no cultivo de arroz irrigado na regi sul do estado de Santa Catarina atrav da SPME-GC-ECD. <i>Quimica Nova</i> , 2008 , 31, 79-83	1.6	7
55	Use of Al ₂ O ₃ in an automated on-line pre-concentration system for determination of cadmium(II) by FAAS. <i>Journal of Hazardous Materials</i> , 2008 , 150, 328-34	12.8	7
54	High-throughput approach for the in situ generation of magnetic ionic liquids in parallel-dispersive droplet extraction of organic micropollutants in aqueous environmental samples. <i>Talanta</i> , 2021 , 223, 121759	6.2	7
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