

Eduardo Carasek da Rocha

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Rotating sorptive extraction (RSE) as a green approach for determining pesticides from fruit and vegetable wash-water using GCMS. <i>Advances in Sample Preparation</i> , 2022 , 1, 100003		0
181	Disposable pipette extraction: A critical review of concepts, applications, and directions.. <i>Analytica Chimica Acta</i> , 2022 , 1192, 339383	6.6	2
180	Determination of five 3-alkyl-2-methoxypyrazines employing HS-SPME-GC-NPD: Application in evaluation of off-flavor of South American wines. <i>Journal of Food Composition and Analysis</i> , 2022 , 105, 104237	4.1	1
179	A semi-quantitative model through PLS-DA in the evaluation of carbendazim in grape juices. <i>Food Chemistry</i> , 2022 , 368, 130742	8.5	0
178	Multiclass determination of endocrine disruptors in urine by hollow fiber microporous membrane and liquid chromatography. <i>Analytical Biochemistry</i> , 2022 , 652, 114725	3.1	
177	Ionic liquids 2021 , 427-451		0
176	Photocatalytic Cellulose-Paper: Deepening in the Sustainable and Synergic Combination of Sorption and Photodegradation. <i>ACS Omega</i> , 2021 , 6, 9577-9586	3.9	4
175	Sustainable green solvents for microextraction techniques: Recent developments and applications. <i>Journal of Chromatography A</i> , 2021 , 1640, 461944	4.5	14
174	A proof-of-concept of parallel single-drop microextraction for the rapid and sensitive biomonitoring of pesticides in urine. <i>Journal of Separation Science</i> , 2021 , 44, 1961-1968	3.4	5
173	Exploring the use of cork pellets in bar adsorptive microextraction for the determination of organochloride pesticides in water samples with gas chromatography/electron capture detection quantification. <i>Journal of Chromatography A</i> , 2021 , 1645, 462099	4.5	3
172	The use of microwave-induced plasma optical emission spectrometry for fluorine determination and its application to tea infusions. <i>Talanta</i> , 2021 , 227, 122190	6.2	4
171	Assessment of a natural extraction phase in disposable pipette extraction coupled with the sub-minute determination of 11-nor- Δ^9 -tetrahydrocannabinol-9-carboxylic acid in human urine by fast-GC-FID. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 20, 100390	3.9	0
170	Adsorption of hazardous and noxious 4-nitrophenol by a silsesquioxane organic-inorganic hybrid material. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 99, 402-412	2.3	1
169	Novel strategy for disposable pipette extraction (DPX): Low-cost Parallel-DPX for determination of phthalate migration from common plastic materials to saliva simulant with GC-MS. <i>Talanta</i> , 2021 , 221, 121443	6.2	3
168	Determination of bisphenol A: Old problem, recent creative solutions based on novel materials. <i>Journal of Separation Science</i> , 2021 , 44, 1148-1173	3.4	2
167	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
166	Exploring the Use of Switchable Hydrophilicity Solvents as Extraction Phase for the Determination of Food-Packaging Contaminants in Coconut Water Samples by Gas Chromatography-Mass Spectrometry. <i>Food Analytical Methods</i> , 2021 , 14, 319-330	3.4	3

165	A green approach to DDT degradation and metabolite monitoring in water comparing the hydrodechlorination efficiency of Pd, Au-on-Pd and Cu-on-Pd nanoparticle catalysis. <i>Science of the Total Environment</i> , 2021 , 760, 143403	10.2	3
164	A Rapid Analytical Approach for Monitoring Pharmaceuticals in Hospital Wastewater: A DPX-Based Procedure with Environmentally-Friendly Extraction Phase Coupled to High Performance Liquid Chromatography-Diode Array/Fluorescence Detectors. <i>Separations</i> , 2021 , 8, 109	3.1	1
163	Application of Homogeneous Liquid-Liquid Microextraction with Switchable Hydrophilicity Solvents to the Determination of MDMA, MDA and NBOMes in Postmortem Blood Samples. <i>Journal of Analytical Toxicology</i> , 2021 ,	2.9	1
162	Emerging micropollutants determination by NIR spectroscopy using pseudo-univariate calibration and TF-SPME coupled with 96-well plate system. <i>Microchemical Journal</i> , 2020 , 155, 104789	4.8	3
161	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
160	Ultrasound-assisted and disposable pipette extraction for the determination of faecal contaminants in sediment samples by GC-MS. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-12	1.8	2
159	Application of bar adsorptive microextraction (BA μ E) for the determination of pesticides and emerging contaminants in water used for rice cultivation in southern Brazil. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	0
158	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
157	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
156	Returning to Nature for the Design of Sorptive Phases in Solid-Phase Microextraction. <i>Separations</i> , 2020 , 7, 2	3.1	23
155	Simple and straightforward analysis of cannabinoids in medicinal products by fast-GC/EID. <i>Forensic Toxicology</i> , 2020 , 38, 531-535	2.6	5
154	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
153	A straightforward and semiautomated membrane-based method as efficient tool for the determination of cocaine and its metabolites in urine samples using liquid chromatography coupled to quadrupole time-of-flight-mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1621, 461088	4.5	5
152	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
151	Determination of pesticides of different chemical classes in drinking water of the state of Santa Catarina (Brazil) using solid-phase microextraction coupled to chromatographic determinations. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 43870-43883	5.1	1
150	Estrogens determination through disposable pipette extraction coupled to ultraviolet spectroscopy and nonlinear pseudo-univariate calibration: Solving rank deficiency problems. <i>Journal of Chemometrics</i> , 2020 , 34, e3276	1.6	
149	A low-voltage paper spray ionization QTOF-MS method for the qualitative analysis of NPS in street drug blotter samples. <i>Forensic Toxicology</i> , 2020 , 38, 227-231	2.6	6
148	Assessment of a Fully Optimized DPX-Based Procedure for the Multiclass Determination of Pesticides in Drinking Water Using High-Performance Liquid Chromatography with Diode Array Detection. <i>Journal of the Brazilian Chemical Society</i> , 2019 ,	1.5	2

147	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
146	The use of Ca + Pd + Zr as modifiers in the determination of sulfur by HR-CS GF MAS with solid sampling. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 498-503	3.7	5
145	Iodine determination by high-resolution continuum source molecular absorption spectrometry: A comparison between potential molecules. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019 , 153, 42-49	3.1	3
144	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 , 1608, 1-11	4.5	10
143	A rapid and environmentally friendly analytical method based on conductive polymer as extraction phase for disposable pipette extraction for the determination of hormones and polycyclic aromatic hydrocarbons in river water samples using high-performance liquid chromatography/diode array detection. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103157	6.8	5
142	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 , 1116-1118, 17-21	3.2	13
141	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
140	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 Letters</i> , 2019 , 52, 2133-2143	2.2	15
139	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
138	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
137	Alternative Green Extraction Phases Applied to Microextraction Techniques for Organic Compound Determination. <i>Separations</i> , 2019 , 6, 35	3.1	14
136	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
135	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
134	Development of an eco-friendly method for the determination of total polychlorinated biphenyls in solid waste by gas chromatography-mass spectrometry. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5042-5048	6.8	4
133	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
132	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
131	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
130	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

129	Use of a Natural Sorbent as Alternative Solid-Phase Microextraction Coating for the Determination of Polycyclic Aromatic Hydrocarbons in Water Samples by Gas Chromatography-Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2018 ,	1.5	3
128	A Low-Cost Approach Using Diatomaceous Earth Biosorbent as Alternative SPME Coating for the Determination of PAHs in Water Samples by GC-MS. <i>Separations</i> , 2018 , 5, 55	3.1	5
127	Improvement of dispersive liquid-liquid microextraction robustness by performing consecutive extractions: Determination of polycyclic aromatic hydrocarbons in Brazilian sugar cane spirits by GC-MS. <i>Separation Science Plus</i> , 2018 , 1, 564-573	1.1	3
126	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
125	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> , 2018 , 1040, 33-40	6.6	16
124	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
123	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
122	Median preoptic nucleus excitatory neurotransmitters in the maintenance of hypertensive state. <i>Brain Research Bulletin</i> , 2018 , 142, 207-215	3.9	5
121	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
120	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
119	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
118	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
117	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
116	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
115	A novel extraction-based procedure for the determination of cadmium in marine macro-algae using HR-CS GF AAS. <i>Analytical Methods</i> , 2017 , 9, 5400-5406	3.2	2
114	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
113	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
112	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

111	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
110	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
109	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
108	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
107	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
106	Application of a robust solid-phase microextraction fiber consisting of NiTi wires coated with polypyrrole for the determination of haloanisoles in water and wine. <i>Analytical Methods</i> , 2016 , 8, 5503-5510	3.2	5
105	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
104	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
103	Membrane-based microextraction techniques in analytical chemistry: A review. <i>Analytica Chimica Acta</i> , 2015 , 880, 8-25	6.6	113
102	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
101	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
100	Determination of aluminum in moisturizing body lotions using graphite furnace atomic absorption spectrometry. <i>Analytical Methods</i> , 2015 , 7, 9636-9640	3.2	7
99	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
98	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
97	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
96	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
95	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
94	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

93	Strontium mono-chloride \square 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
92	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
91	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
90	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
89	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
88	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
87	Asymmetric reduction of (4S)-(+)-carvone catalyzed by baker's yeast: A green method for monitoring the conversion based on liquid-liquid microextraction with polypropylene hollow fiber membranes. <i>Process Biochemistry</i> , 2013 , 48, 1159-1165	4.8	12
86	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
85	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
84	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
83	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
82	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
81	Effect of magnesium acetylacetonate on the signal of organic forms of vanadium in graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2013 , 103, 66-74	6.2	3
80	Development of a simple analytical method for determining trihalomethanes in beer using a headspace solid-phase microextraction technique. <i>Quimica Nova</i> , 2013 , 36, 1052-1056	1.6	5
79	Microextração em fase líquida suportada com fibra oca (HF-LPME): Fundamentos e aplicações recentes. <i>Scientia Chromatographica</i> , 2013 , 5, 249-262	1	3
78	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
77	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
76	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

75	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
74	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 ¹¹		9
73	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
72	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
71	Extraction and on-fiber derivatization of chlorophenols in leather by internally cooled solid phase microextraction. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 2232-2236	1.5	3
70	DETERMINATION OF BENZENE IN BEVERAGES BY SOLID-PHASE MICROEXTRACTION AND GAS CHROMATOGRAPHY. <i>Scientia Chromatographica</i> , 2012 , 4, 209-216	1	2
69	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
68	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
67	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
66	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
65	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
64	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
63	Determination of THMs in soft drink by solid-phase microextraction and gas chromatography. <i>Food Chemistry</i> , 2011 , 127, 290-295	8.5	17
62	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
61	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
60	Determination of trace silver in water samples by online column preconcentration flame atomic absorption spectrometry using termite digestion product. <i>Journal of Automated Methods and Management in Chemistry</i> , 2011 , 2011, 839365		4
59	Produção de gás de síntese por plasma térmico via pirólise de metano e dióxido de carbono. <i>Química Nova</i> , 2011 , 34, 1491-1495	1.6	3
58	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

57	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
56	High-Resolution Continuum Source Atomic and Molecular Absorption Spectrometry—A Review. <i>Applied Spectroscopy Reviews</i> , 2010 , 45, 327-354	4.5	81
55	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
54	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
53	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
52	New sorbents for extraction and microextraction techniques. <i>Journal of Chromatography A</i> , 2010 , 1217, 2533-42	4.5	204
51	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
50	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
49	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
48	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
47	Analysis of Volatile Compounds Released From Flowers and Roots of <i>Polygala cypris</i> and <i>Polygala paniculata</i> by Headspace/SPME. <i>Journal of Essential Oil Research</i> , 2009 , 21, 255-258	2.3	8
46	Determination of phthalates and adipate in physiological saline solutions by solid-phase microextraction and gas chromatography. <i>Analytical Sciences</i> , 2009 , 25, 865-8	1.7	5
45	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
44	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
43	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
42	Application of factorial design and Doehlert matrix for determination of trace lead in environmental samples by on-line column preconcentration FAAS using silica gel chemically modified with niobium(V) oxide. <i>Analytical Sciences</i> , 2008 , 24, 365-70	1.7	6
41	Use of the SPME-GC-MS technique to study the thermal degradation of isotactic polypropylene: Effects of temperature and reaction time, and analysis of the reaction mechanism. <i>E-Polymers</i> , 2008 , 8,	2.7	2
40	Determinação de herbicidas usados no cultivo de arroz irrigado na região sul do estado de Santa Catarina através da SPME-GC-ECD. <i>Química Nova</i> , 2008 , 31, 79-83	1.6	7

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38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	Otimizaço multivariada e aplicaço do sorvente SiO ₂ -Nb ₂ O ₅ para determinaço em linha de Ni(II) em matriz aquosa. <i>Eclética Quimica</i> , 2008 , 33, 25-32	2.6	4
30	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
29	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
28	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
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24	Monitoring the formation of trihalomethanes in the effluents from a shrimp hatchery. <i>Environmental Monitoring and Assessment</i> , 2007 , 127, 435-44	3.1	6
23	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
22	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

21	Development of an on-line preconcentration system for zinc determination in biological samples. <i>Talanta</i> , 2006 , 69, 488-93	6.2	41
20	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
19	Thermal Immobilization of Poly(Butylacrylate) on Glass-Ceramic Rod for Preparation of Solid Phase Microextraction Fibers. <i>Mikrochimica Acta</i> , 2006 , 155, 465-469	5.8	3
18	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
17	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
16	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
15	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
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13	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	1.5	8
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11	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
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4	A new procedure for solid-phase microextraction using a flow-through system with air segmentation. <i>Analyst, The</i> , 2002 , 127, 603-7	5	2

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1	Aplicaçã de SPME (Solid Phase Micro-Extraction) na anãlise de guas potãveis de trã localidades do estado de Sã Paulo. <i>Quimica Nova</i> , 1998 , 21, 804-806	1.6	3