Rafael Cela

List of Publications by Year
in descending order

333 papers	13,670 citations	19657 61 h-index	42399 92 g-index
334 all docs	334 docs citations	334 times ranked	9078 citing authors

#	Article	IF	Citations
1	Ultrasound-assisted emulsificationâ€“microextraction of emergent contaminants and pesticides in environmental waters. Journal of Chromatography A, 2008, 1190, 27-38.	3.7	511
2	Solid-phase extraction of phenols. Journal of Chromatography A, 2000, 885, 291-304.	3.7	284
3	Determination of natural and synthetic estrogens in water by gas chromatography with mass spectrometric detection. Journal of Chromatography A, 2004, 1024, 177-185.	3.7	180
4	Optimization of a derivatizationâ€“solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples. Journal of Chromatography A, 2002, 963, 137-148.	3.7	176
5	Evaluation of the occurrence and biodegradation of parabens and halogenated by-products in wastewater by accurate-mass liquid chromatography-quadrupole-time-of-flight-mass spectrometry (LC-QTOF-MS). Water Research, 2011, 45, 6770-6780.	11.3	176
6	Development of an ionic liquid based dispersive liquidâ€“liquid microextraction method for the analysis of polycyclic aromatic hydrocarbons in water samples. Journal of Chromatography A, 2009, 1216, 6356-6364.	3.7	163
7	Determination of acidic drugs in sewage water by gas chromatographyâ€“mass spectrometry as tert.-butyldimethylsilyl derivatives. Journal of Chromatography A, 2003, 985, 265-274.	3.7	162
8	Multivariate optimization of a solid-phase microextraction method for the analysis of phthalate esters in environmental waters. Journal of Chromatography A, 2005, 1072, 63-72.	3.7	151
9	Monitoring the photochemical degradation of triclosan in wastewater by UV light and sunlight using solid-phase microextraction. Chemosphere, 2006, 65, 1338-1347.	8.2	150
10	Optimisation of a solid-phase microextraction method for the determination of parabens in water samples at the low ng per litre level. Journal of Chromatography A, 2006, 1124, 3-10.	3.7	149
11	Aquatic degradation of triclosan and formation of toxic chlorophenols in presence of low concentrations of free chlorine. Analytical and Bioanalytical Chemistry, 2005, 383, 1119-1126.	3.7	147
12	Formation of halogenated by-products of parabens in chlorinated water. Analytica Chimica Acta, 2006, 575, 106-113.	5.4	142
13	Development of a dispersive liquidâ€“liquid microextraction method for organophosphorus flame retardants and plasticizers determination in water samples. Journal of Chromatography A, 2007, 1166, 9-15.	3.7	137
14	Determination of Parabens and Triclosan in Indoor Dust Using Matrix Solid-Phase Dispersion and Gas Chromatography with Tandem Mass Spectrometry. Analytical Chemistry, 2007, 79, 1675-1681.	6.5	135
15	Suitability of solid-phase microextraction for the determination of organophosphate flame retardants and plasticizers in water samples. Journal of Chromatography A, 2006, 1108, 158-165.	3.7	132
16	Development of a Solid-Phase Microextraction Gas Chromatography/Tandem Mass Spectrometry Method for Polybrominated Diphenyl Ethers and Polybrominated Biphenyls in Water Samples. Analytical Chemistry, 2004, 76, 1054-1062.	6.5	128
17	Determination of drugs of abuse in water by solid-phase extraction, derivatisation and gas chromatographyâ€“ion trap-tandem mass spectrometry. Journal of Chromatography A, 2010, 1217, 1748-1760.	3.7	126
18	Determination of synthetic phenolic antioxidants and their metabolites in water samples by downscaled solid-phase extraction, silylation and gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2010, 1217, 6428-6435.	3.7	125

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19	Simultaneous determination of parabens, triclosan and triclocarban in water by liquid chromatography/electrospray ionisation tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1756-1766.	1.5	123
20	Combination of off-line solid-phase extraction and on-column sample stacking for sensitive determination of parabens and p-hydroxybenzoic acid in waters by non-aqueous capillary electrophoresis. Analytica Chimica Acta, 2009, 647, 104-111.	5.4	123
21	Solid-phase extraction followed by dispersive liquidâ€“liquid microextraction for the sensitive determination of selected fungicides in wine. Journal of Chromatography A, 2009, 1216, 5459-5466.	3.7	122
22	Microwave assisted extraction followed by gas chromatography with tandem mass spectrometry for the determination of triclosan and two related chlorophenols in sludge and sediments. Journal of Chromatography A, 2005, 1082, 128-135.	3.7	118
23	Microwave-assisted extraction of organophosphate flame retardants and plasticizers from indoor dust samples. Journal of Chromatography A, 2007, 1152, 280-286.	3.7	114
24	Sensitive determination of salicylate and benzophenone type UV filters in water samples using solid-phase microextraction, derivatization and gas chromatography tandem mass spectrometry. Analytica Chimica Acta, 2009, 638, 36-44.	5.4	113
25	Development of a solid-phase microextraction method for the analysis of phenolic flame retardants in water samples. Journal of Chromatography A, 2006, 1124, 11-21.	3.7	112
26	Solid-phase microextraction with on-fiber derivatization for the analysis of anti-inflammatory drugs in water samples. Journal of Chromatography A, 2004, 1024, 1-8.	3.7	111
27	Screening and Selective Quantification of Illicit Drugs in Wastewater by Mixed-Mode Solid-Phase Extraction and Quadrupole-Time-of-Flight Liquid Chromatographyâ€“Mass Spectrometry. Analytical Chemistry, 2012, 84, 1708-1717.	6.5	111
28	Determination of chlorophenols at the sub-ppb level in tap water using derivatization, solid-phase extraction and gas chromatography with plasma atomic emission detection. Journal of Chromatography A, 1996, 721, 297-304.	3.7	105
29	Pressurized liquid extraction with in-cell clean-up followed by gas chromatographyâ€“tandem mass spectrometry for the selective determination of parabens and triclosan in indoor dust. Journal of Chromatography A, 2007, 1161, 105-112.	3.7	103
30	Study of some UV filters stability in chlorinated water and identification of halogenated by-products by gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2008, 1178, 206-214.	3.7	100
31	Optimization of Methylmercury Microwave-Assisted Extraction from Aquatic Sediments. Analytical Chemistry, 1997, 69, 221-225.	6.5	99
32	Optimization of solid-phase microextraction conditions for the determination of triclosan and possible related compounds in water samples. Journal of Chromatography A, 2005, 1072, 107-115.	3.7	92
33	Dispersive liquidâ€“liquid microextraction applied to the simultaneous derivatization and concentration of triclosan and methyltriclosan in water samples. Journal of Chromatography A, 2009, 1216, 205-210.	3.7	92
34	Determination of artificial sweeteners in water samples by solid-phase extraction and liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2012, 1256, 197-205.	3.7	90
35	Analytical applications of some flotation techniquesâ€”a review. Talanta, 1990, 37, 275-300.	5.5	89
36	Methylmercury determination in biological samples by derivatization, solid-phase microextraction and gas chromatography with microwave-induced plasma atomic emission spectrometry. Journal of Chromatography A, 2002, 963, 313-323.	3.7	89

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37	Wastewater-Based Epidemiology as a New Tool for Estimating Population Exposure to Phthalate Plasticizers. Environmental Science & Technology, 2017, 51, 3902-3910.	10.0	88
38	Applicability of solid-phase microextraction followed by on-fiber silylation for the determination of estrogens in water samples by gas chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2004, 1056, 179-185.	3.7	86
39	Solid-phase extraction followed by liquid chromatographyâ€“tandem mass spectrometry for the determination of hydroxylated benzophenone UV absorbers in environmental water samples. Analytica Chimica Acta, 2009, 654, 162-170.	5.4	86
40	Simultaneous determination of traces of pyrethroids, organochlorines and other main plant protection agents in agricultural soils by headspace solid-phase microextractionâ€“gas chromatography. Journal of Chromatography A, 2008, 1188, 154-163.	3.7	84
41	Fabric phase sorptive extraction: A new sorptive microextraction technique for the determination of non-steroidal anti-inflammatory drugs from environmental water samples. Analytica Chimica Acta, 2015, 865, 22-30.	5.4	82
42	Solid-phase microextractionâ€“gas chromatographyâ€“mass spectrometry for the analysis of selective serotonin reuptake inhibitors in environmental water. Journal of Chromatography A, 2004, 1046, 241-247.	3.7	78
43	Development of a solid-phase microextraction gas chromatography with microelectron-capture detection method for a multiresidue analysis of pesticides in bovine milk. Analytica Chimica Acta, 2008, 617, 37-50.	5.4	78
44	Rapid screening of selective serotonin re-uptake inhibitors in urine samples using solid-phase microextraction gas chromatographyâ€“mass spectrometry. Analytical and Bioanalytical Chemistry, 2005, 382, 1351-1359.	3.7	77
45	Determination of fungicides in wine by mixed-mode solid phase extraction and liquid chromatography coupled to tandem mass spectrometry. Journal of Chromatography A, 2010, 1217, 7484-7492.	3.7	77
46	Optimization of a microwave-assisted extraction method for the analysis of polycyclic aromatic hydrocarbons from fish samples. Journal of Chromatography A, 2006, 1121, 163-169.	3.7	74
47	Comparison of molecularly imprinted, mixed-mode and hydrophilic balance sorbents performance in the solid-phase extraction of amphetamine drugs from wastewater samples for liquid chromatographyâ€“tandem mass spectrometry determination. Journal of Chromatography A, 2009, 1216, 8435-8441.	3.7	74
48	Selective determination of antimycotic drugs in environmental water samples by mixed-mode solid-phase extraction and liquid chromatography quadrupole time-of-flight mass spectrometry. Journal of Chromatography A, 2014, 1339, 42-49.	3.7	74
49	Optimisation of a solid-phase microextraction method for synthetic musk compounds in water. Journal of Chromatography A, 2002, 963, 277-285.	3.7	73
50	Confirmation of the formation of dichlorodibenzo-p-dioxin in the photodegradation of triclosan by photo-SPME. Analytical and Bioanalytical Chemistry, 2005, 381, 1294-1298.	3.7	73
51	Dispersive liquidâ€“liquid microextraction followed by gas chromatographyâ€“mass spectrometry for the rapid and sensitive determination of UV filters in environmental water samples. Analytical and Bioanalytical Chemistry, 2010, 398, 995-1004.	3.7	73
52	Evaluation of supercritical fluid extraction, microwave-assisted extraction and sonication in the determination of some phenolic compounds from various soil matrices. Journal of Chromatography A, 1997, 774, 243-251.	3.7	72
53	Optimization of a Microwave-assisted Extraction Method for Phenol and Methylphenol Isomers in Soil Samples Using a Central Composite Design. Analyst, The, 1997, 122, 133-137.	3.5	71
54	Application of matrix solid-phase dispersion in the analysis of priority polycyclic aromatic hydrocarbons in fish samples. Journal of Chromatography A, 2005, 1077, 103-109.	3.7	71

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55	Assessment of Local Tobacco Consumption by Liquid Chromatographyâ€“Tandem Mass Spectrometry Sewage Analysis of Nicotine and Its Metabolites, Cotinine and trans-3â€²-Hydroxycotinine, after Enzymatic Deconjugation. Analytical Chemistry, 2014, 86, 10274-10281.	6.5	70
56	Speciation of organomercurials in marine samples using capillary electrophoresis. Talanta, 1993, 40, 1631-1636.	5.5	69
57	Screening for Polar Chemicals in Water by Trifunctional Mixed-Mode Liquid Chromatographyâ€“High Resolution Mass Spectrometry. Environmental Science & Technology, 2017, 51, 6250-6259.	10.0	68
58	On-fibre silylation following solid-phase microextraction for the determination of acidic herbicides in water samples by gas chromatography. Analytica Chimica Acta, 2005, 537, 259-266.	5.4	67
59	Oxidation of synthetic phenolic antioxidants during water chlorination. Journal of Hazardous Materials, 2012, 199-200, 73-81.	12.4	67
60	Reaction of diazepam and related benzodiazepines with chlorine. Kinetics, transformation products and in-silico toxicological assessment. Water Research, 2017, 120, 280-289.	11.3	67
61	Highly selective and efficient determination of US Environmental Protection Agency priority phenols employing solid-phase extraction and non-aqueous capillary electrophoresis. Journal of Chromatography A, 2000, 896, 95-104.	3.7	66
62	Determination of selected UV filters in indoor dust by matrix solid-phase dispersion and gas chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2009, 1216, 5895-5902.	3.7	65
63	Healthy effect of different proportions of marine Ï‰-3 PUFAs EPA and DHA supplementation in Wistar rats: Lipidomic biomarkers of oxidative stress and inflammation. Journal of Nutritional Biochemistry, 2015, 26, 1385-1392.	4.2	64
64	Chemometric-assisted method development in reversed-phase liquid chromatography. Journal of Chromatography A, 2013, 1287, 2-22.	3.7	62
65	Oxidation of non-steroidal anti-inflammatory drugs with aqueous permanganate. Water Research, 2013, 47, 3220-3230.	11.3	60
66	Mixed-mode solid-phase extraction followed by liquid chromatographyâ€“tandem mass spectrometry for the determination of tri- and di-substituted organophosphorus species in water samples. Journal of Chromatography A, 2010, 1217, 1476-1484.	3.7	58
67	Transformation of phenazone-type drugs during chlorination. Water Research, 2012, 46, 2457-2468.	11.3	58
68	Pressurized solvent extraction followed by gas chromatography tandem mass spectrometry for the determination of benzotriazole light stabilizers in indoor dust. Journal of Chromatography A, 2010, 1217, 3729-3735.	3.7	57
69	Capillary electrophoresis and sample stacking in non-aqueous media for the analysis of priority pollutant phenols. Journal of Chromatography A, 1999, 846, 401-411.	3.7	55
70	Optimisation of a matrix solid-phase dispersion method for the determination of organophosphate compounds in dust samples. Analytica Chimica Acta, 2007, 590, 17-25.	5.4	55
71	Simplified matrix solid phase dispersion procedure for the determination of parabens and benzophenone-ultraviolet filters in human placental tissue samples. Journal of Chromatography A, 2014, 1371, 39-47.	3.7	55
72	Solid-phase microextractionâ€“gas chromatographyâ€“mass spectrometry for the analysis of selective serotonin reuptake inhibitors in environmental waterâ˜†. Journal of Chromatography A, 2004, 1046, 241-247.	3.7	54

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73	Determination of organophosphate flame retardants and plasticizers in sediment samples using microwave-assisted extraction and gas chromatography with inductively coupled plasma mass spectrometry. Talanta, 2009, 79, 824-829.	5.5	54
74	Multivariate optimization of the factors influencing the solid-phase microextraction of pyrethroid pesticides in water. Journal of Chromatography A, 2006, 1124, 148-156.	3.7	53
75	Simplified sample preparation method for triclosan and methyltriclosan determination in biota and foodstuff samples. Journal of Chromatography A, 2008, 1188, 132-139.	3.7	53
76	Multi-residue screening of chlorinated and brominated compounds from aquaculture samples using matrix solid-phase dispersionâ€"gas chromatographyâ€"mass spectrometry. Journal of Chromatography A, 2005, 1071, 93-98.	3.7	52
77	Determination of musk compounds in sewage treatment plant sludge samples by solid-phase microextraction. Journal of Chromatography A, 2003, 999, 185-193.	3.7	51
78	Legacy and emerging pollutants in marine bivalves from the Galician coast (NW Spain). Environment International, 2019, 129, 364-375.	10.0	51
79	Determination of chlorophenols in drinking water samples at the subnanogram per millilitre level by gas chromatography with atomic emission detection. Journal of Chromatography A, 1994, 683, 21-29.	3.7	50
80	Development of a sensitive methodology for the analysis of chlorobenzenes in air by combination of solid-phase extraction and headspace solid-phase microextraction. Journal of Chromatography A, 2004, 1045, 189-196.	3.7	50
81	Pressurized liquid extraction of organophosphate triesters from sediment samples using aqueous solutions. Journal of Chromatography A, 2009, 1216, 6986-6993.	3.7	50
82	Simultaneous determination of neutral and acidic pharmaceuticals in wastewater by high-performance liquid chromatographyâ€"post-column photochemically induced fluorimetry. Journal of Chromatography A, 2003, 993, 29-37.	3.7	49
83	Headspace solid-phase microextraction gas chromatography tandem mass spectrometry for the determination of brominated flame retardants in environmental solid samples. Analytical and Bioanalytical Chemistry, 2006, 385, 637-644.	3.7	49
84	Dispersive liquidâ€"liquid microextraction using non-chlorinated, lighter than water solvents for gas chromatographyâ€"mass spectrometry determination of fungicides in wine. Journal of Chromatography A, 2011, 1218, 6603-6611.	3.7	49
85	Evaluation of two solid-phase extraction procedures for the preconcentration of chlorophenols in drinking water. Journal of Chromatography A, 1997, 786, 285-292.	3.7	48
86	Approaches for the Simultaneous Extraction of Tetrabromobisphenol A, Tetrachlorobisphenol A, and Related Phenolic Compounds from Sewage Sludge and Sediment Samples Based on Matrix Solid-Phase Dispersion. Analytical Chemistry, 2006, 78, 2772-2778.	6.5	48
87	Development of a matrix solid-phase dispersion method for the simultaneous determination of pyrethroid and organochlorinated pesticides in cattle feed. Journal of Chromatography A, 2009, 1216, 2832-2842.	3.7	48
88	In-sample acetylation-non-porous membrane-assisted liquidâ€"liquid extraction for the determination of parabens and triclosan in water samples. Analytical and Bioanalytical Chemistry, 2010, 397, 2559-2568.	3.7	48
89	Ion-pair reversed-phase liquid chromatographyâ€"quadrupole-time-of-flight and triple-quadrupoleâ€"mass spectrometry determination of ethyl sulfate in wastewater for alcohol consumption tracing. Journal of Chromatography A, 2014, 1328, 35-42.	3.7	48
90	Determination of benzodiazepines, related pharmaceuticals and metabolites in water by solid-phase extraction and liquid-chromatographyâ€"tandem mass spectrometry. Journal of Chromatography A, 2014, 1352, 69-79.	3.7	48

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91	Solid-phase extraction followed by liquid chromatography quadrupole time-of-flight tandem mass spectrometry for the selective determination of fungicides in wine samples. Journal of Chromatography A, 2011, 1218, 2165-2175.	3.7	47
92	Development of a solid-phase extraction method for the simultaneous determination of chloroanisoles and chlorophenols in red wine using gas chromatographyâ€“tandem mass spectrometry. Analytica Chimica Acta, 2005, 549, 117-123.	5.4	46
93	Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection. Journal of Chromatography A, 2005, 1071, 205-211.	3.7	46
94	Headspace solid-phase microextraction followed by gas chromatography tandem mass spectrometry for the sensitive determination of benzotriazole UV stabilizers in water samples. Analytical and Bioanalytical Chemistry, 2010, 397, 829-839.	3.7	45
95	Optimization of the extraction of polycyclic aromatic hydrocarbons from wood samples by the use of microwave energy. Journal of Chromatography A, 2000, 869, 505-513.	3.7	44
96	Optimization of the matrix solid-phase dispersion sample preparation procedure for analysis of polycyclic aromatic hydrocarbons in soils: Comparison with microwave-assisted extraction. Journal of Chromatography A, 2007, 1165, 32-38.	3.7	44
97	Simultaneous determination of benzotriazole and benzothiazole derivatives in aqueous matrices by mixed-mode solid-phase extraction followed by liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 402, 2471-2478.	3.7	44
98	Development of a method based on sorbent trapping followed by solid-phase microextraction for the determination of synthetic musks in indoor air. Journal of Chromatography A, 2009, 1216, 2805-2815.	3.7	43
99	Optimization of pressurized liquid extraction and purification conditions for gas chromatographyâ€“mass spectrometry determination of UV filters in sludge. Journal of Chromatography A, 2011, 1218, 211-217.	3.7	43
100	Determination of phenolic pollutants in drinking water by capillary electrophoresis in the sample stacking mode. Journal of Chromatography A, 1997, 778, 279-288.	3.7	42
101	Development of a high-throughput method for the determination of organochlorinated compounds, nitromusks and pyrethroid insecticides in indoor dust. Journal of Chromatography A, 2007, 1174, 112-124.	3.7	42
102	Assessment of benzophenone-4 reactivity with free chlorine by liquid chromatography quadrupole time-of-flight mass spectrometry. Analytica Chimica Acta, 2012, 743, 101-110.	5.4	42
103	PREOPT-W: A simulation program for off-line optimization of binary gradient separations in HPLCâ€”I. Fundamentals and overview. Computers & Chemistry, 1996, 20, 175-191.	1.2	41
104	Determination of polybrominated diphenyl ethers in domestic dust by microwave-assisted solvent extraction and gas chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2006, 1137, 1-7.	3.7	41
105	Optimization of a dispersive liquidâ€“liquid microextraction method for the analysis of benzotriazoles and benzothiazoles in water samples. Analytical and Bioanalytical Chemistry, 2012, 402, 1679-1695.	3.7	41
106	Determination of Persistent and Mobile Organic Contaminants (PMOCs) in Water by Mixed-Mode Liquid Chromatographyâ€“Tandem Mass Spectrometry. Analytical Chemistry, 2019, 91, 5176-5183.	6.5	41
107	Determination of chlorophenols in drinking water with high resolution gas chromatography-tandem mass spectrometry. Journal of Chromatography A, 1996, 743, 283-292.	3.7	40
108	Phenol and methylphenol isomers determination in soils by in-situ microwave-assisted extraction and derivatisation. Journal of Chromatography A, 1997, 757, 153-164.	3.7	40

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109	Simultaneous determination of pâ€hydroxybenzoic acid and parabens by capillary electrophoresis with improved sensitivity in nonaqueous media. Electrophoresis, 2008, 29, 3229-3238.	2.4	40
110	Determination of Î”9-tetrahydrocannabinol and 11-nor-9-carboxy-Î”9-tetrahydrocannabinol in water samples by solid-phase microextraction with on-fiber derivatization and gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2012, 1245, 167-174.	3.7	40
111	Determination of artificial sweeteners in sewage sludge samples using pressurised liquid extraction and liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2013, 1320, 10-16.	3.7	40
112	Assessment of gas chromatography time-of-flight accurate mass spectrometry for identification of volatile and semi-volatile compounds in honey. Talanta, 2014, 129, 505-515.	5.5	40
113	Multiclass semi-volatile compounds determination in wine by gas chromatography accurate time-of-flight mass spectrometry. Journal of Chromatography A, 2016, 1442, 107-117.	3.7	40
114	Objective functions in experimental and simulated chromatographic optimization. Journal of Chromatography A, 1989, 485, 477-500.	3.7	39
115	Optimization of a sensitive method for the determination of nitro musk fragrances in waters by solid-phase microextraction and gas chromatography with micro electron capture detection using factorial experimental design. Analytical and Bioanalytical Chemistry, 2007, 388, 1789-1798.	3.7	39
116	Evaluation of liquidâ€“liquid microextraction using polypropylene microporous membranes for the determination of organophosphorus flame retardants and plasticizers in water samples. Analytica Chimica Acta, 2008, 625, 145-153.	5.4	39
117	Development of a matrix solid-phase dispersion method for the determination of polycyclic aromatic hydrocarbons in sewage sludge samples. Analytica Chimica Acta, 2008, 626, 155-165.	5.4	39
118	In-sample derivatization-solid-phase microextraction of amphetamines and ecstasy related stimulants from water and urine. Analytica Chimica Acta, 2013, 770, 75-84.	5.4	39
119	Multi-residue determination of psychoactive pharmaceuticals, illicit drugs and related metabolites in wastewater by ultra-high performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2018, 1569, 91-100.	3.7	39
120	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. Journal of Hazardous Materials, 2021, 401, 123272.	12.4	39
121	Multi-objective optimisation using evolutionary algorithms: its application to HPLC separations. Chemometrics and Intelligent Laboratory Systems, 2003, 69, 137-156.	3.5	37
122	Ion-pair sorptive extraction of perfluorinated compounds from water with low-cost polymeric materials: Polyethersulfone vs polydimethylsiloxane. Analytica Chimica Acta, 2012, 740, 50-57.	5.4	37
123	A new treatment by dispersive liquidâ€“liquid microextraction for the determination of parabens in human serum samples. Analytical and Bioanalytical Chemistry, 2013, 405, 7259-7267.	3.7	37
124	Determination of artificial sweeteners in beverages with green mobile phases and high temperature liquid chromatographyâ€“tandem mass spectrometry. Food Chemistry, 2015, 169, 162-168.	8.2	37
125	Time-of-flight mass spectrometry assessment of fluconazole and climbazole UV and UV/H 2 O 2 degradability: Kinetics study and transformation products elucidation. Water Research, 2016, 88, 681-690.	11.3	37
126	Speciation of organotin compounds in marine biomaterials after basic leaching in a non-focused microwave extractor equipped with pressurized vessels. Journal of Chromatography A, 1997, 774, 379-387.	3.7	36

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127	Investigation of photodegradation products generated after UV-irradiation of five polybrominated diphenyl ethers using photo solid-phase microextraction. Journal of Chromatography A, 2005, 1071, 85-92.	3.7	36
128	Determination of hydroxylated stilbenes in wine by dispersive liquidâ€“liquid microextraction followed by gas chromatography mass spectrometry. Journal of Chromatography A, 2012, 1258, 21-29.	3.7	36
129	Matrix solid-phase dispersion combined with gas chromatographyâ€“mass spectrometry for the determination of fifteen halogenated flame retardants in mollusks. Journal of Chromatography A, 2013, 1300, 85-94.	3.7	36
130	Simultaneous separation of copper, cadmium and cobalt from sea-water by co-flotation with octadecylamine and ferric hydroxide as collectors. Talanta, 1984, 31, 597-602.	5.5	35
131	Combination of solid-phase extraction procedures with gas chromatographic hyphenated techniques for chlorophenol determination in drinking water. TrAC - Trends in Analytical Chemistry, 1997, 16, 463-475.	11.4	35
132	Determination of Polychlorinated Biphenyls in Milk Samples by Saponificationâ^'Solid-Phase Microextraction. Analytical Chemistry, 2001, 73, 5858-5865.	6.5	35
133	Rapid and sensitive determination of pyrethroids indoors using active sampling followed by ultrasound-assisted solvent extraction and gas chromatography. Journal of Chromatography A, 2006, 1111, 1-10.	3.7	35
134	Mixed-mode solid-phase extraction followed by acetylation and gas chromatography mass spectrometry for the reliable determination of trans-resveratrol in wine samples. Analytica Chimica Acta, 2010, 673, 47-53.	5.4	35
135	Chlorination and bromination of 1,3-diphenylguanidine and 1,3-di-o-tolylguanidine: Kinetics, transformation products and toxicity assessment. Journal of Hazardous Materials, 2020, 385, 121590.	12.4	35
136	Optimisation of alachlor solid-phase microextraction from water samples using experimental design. Journal of Chromatography A, 2000, 896, 373-379.	3.7	34
137	Photolysis of polychlorinated biphenyls by solid-phase microextraction. Journal of Chromatography A, 2002, 963, 37-47.	3.7	34
138	Further research on the photo-SPME of triclosan. Analytical and Bioanalytical Chemistry, 2006, 384, 1548-1557.	3.7	34
139	Determination of perfluorinated compounds in mollusks by matrix solid-phase dispersion and liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 402, 509-518.	3.7	34
140	Determination of phenols in soils by in situ acetylation headspace solid-phase microextraction. Journal of Separation Science, 2000, 12, 25-32.	1.0	33
141	On-fibre photodegradation studies of polychlorinated biphenyls using SPMEâ€“GCâ€“MSâ€“MS: a new approach. Chemosphere, 2002, 47, 607-615.	8.2	33
142	Gas chromatography quadrupole time-of-flight mass spectrometry determination of benzotriazole ultraviolet stabilizers in sludge samples. Journal of Chromatography A, 2013, 1293, 126-132.	3.7	33
143	Investigation of the transformation of 11-nor-9-carboxy-Î”9-tetrahydrocannabinol during water chlorination by liquid chromatographyâ€“quadrupole-time-of-flight-mass spectrometry. Journal of Hazardous Materials, 2013, 261, 628-636.	12.4	33
144	Determination of benzotriazoles in water samples by concurrent derivatizationâ€“dispersive liquidâ€“liquid microextraction followed by gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2014, 1336, 1-9.	3.7	33

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145	Selective extraction and determination of neonicotinoid insecticides in wine by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2016, 1460, 9-15.	3.7	33
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