

# Rosa Maria MarcÃ© i Recasens

## List of Publications by Year in descending order

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253  
papers

13,698  
citations

15495

65  
h-index

32815

100  
g-index

257  
all docs

257  
docs citations

257  
times ranked

10374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of a Broad Range of Legacy and Emerging Flame Retardants in Indoor Environments in Norway. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6827-6835.	4.6	309
2	Application of molecularly imprinted polymers to solid-phase extraction of compounds from environmental and biological samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 143-154.	5.8	300
3	Molecularly-imprinted polymers: useful sorbents for selective extractions. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1363-1375.	5.8	257
4	New materials in sorptive extraction techniques for polar compounds. <i>Journal of Chromatography A</i> , 2007, 1152, 14-31.	1.8	256
5	Determination of phthalate esters in water samples by solid-phase microextraction and gas chromatography with mass spectrometric detection. <i>Journal of Chromatography A</i> , 2000, 872, 191-201.	1.8	226
6	Molecularly imprinted polymers: new tailor-made materials for selective solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2001, 20, 477-486.	5.8	226
7	Chronic risk assessment of exposure to volatile organic compounds in the atmosphere near the largest Mediterranean industrial site. <i>Environment International</i> , 2012, 39, 200-209.	4.8	217
8	Synthesis and Evaluation of a Molecularly Imprinted Polymer for Selective On-Line Solid-Phase Extraction of 4-Nitrophenol from Environmental Water. <i>Analytical Chemistry</i> , 2000, 72, 4122-4126.	3.2	188
9	Human exposure pathways to organophosphate triesters – A biomonitoring study of mother-child pairs. <i>Environment International</i> , 2015, 75, 159-165.	4.8	185
10	Solid-phase microextraction coupled to high-performance liquid chromatography to determine phenolic compounds in water samples. <i>Journal of Chromatography A</i> , 2002, 953, 79-87.	1.8	175
11	New hydrophilic materials for solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 394-406.	5.8	175
12	New polymeric and other types of sorbents for solid-phase extraction of polar organic micropollutants from environmental water. <i>TrAC - Trends in Analytical Chemistry</i> , 1998, 17, 384-394.	5.8	172
13	Sampling and preconcentration techniques for determination of volatile organic compounds in air samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 347-361.	5.8	172
14	Risk Assessment Related to Atmospheric Polycyclic Aromatic Hydrocarbons in Gas and Particle Phases near Industrial Sites. <i>Environmental Health Perspectives</i> , 2011, 119, 1110-1116.	2.8	170
15	Occurrence and distribution of nonionic surfactants, their degradation products, and linear alkylbenzene sulfonates in coastal waters and sediments in Spain. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 37-46.	2.2	161
16	Pressurized liquid extraction: A useful technique to extract pharmaceuticals and personal-care products from sewage sludge. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 752-764.	5.8	157
17	Non-covalent and semi-covalent molecularly imprinted polymers for selective on-line solid-phase extraction of 4-nitrophenol from water samples. <i>Journal of Chromatography A</i> , 2002, 963, 169-178.	1.8	152
18	Occurrence of polybrominated diphenylethers, polychlorinated dibenzo-p-dioxins, dibenzofurans and biphenyls in coastal sediments from Spain. <i>Environmental Pollution</i> , 2005, 136, 493-501.	3.7	150

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19	Solid-phase extraction of polycyclic aromatic compounds. <i>Journal of Chromatography A</i> , 2000, 885, 273-290.	1.8	148
20	Trends in solid-phase microextraction for determining organic pollutants in environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 1999, 18, 557-568.	5.8	145
21	On-line solid-phase extraction with molecularly imprinted polymers to selectively extract substituted 4-chlorophenols and 4-nitrophenol from water. <i>Journal of Chromatography A</i> , 2003, 995, 233-238.	1.8	144
22	Method based on solid-phase microextraction and high-performance liquid chromatography with UV and electrochemical detection to determine estrogenic compounds in water samples. <i>Journal of Chromatography A</i> , 2002, 964, 153-160.	1.8	141
23	Ultra-high-performance liquid chromatography-tandem mass spectrometry for determining the presence of eleven personal care products in surface and wastewaters. <i>Journal of Chromatography A</i> , 2009, 1216, 6994-7000.	1.8	136
24	Comparison of different fibers for the solid-phase microextraction of phthalate esters from water. <i>Journal of Chromatography A</i> , 2001, 922, 377-384.	1.8	132
25	Solid-phase microextraction and gas chromatography with mass spectrometric detection for the determination of pesticides in aqueous samples. <i>Journal of Chromatography A</i> , 1998, 795, 105-115.	1.8	124
26	Synthesis by precipitation polymerisation of molecularly imprinted polymer microspheres for the selective extraction of carbamazepine and oxcarbazepine from human urine. <i>Journal of Chromatography A</i> , 2009, 1216, 2248-2253.	1.8	118
27	Determination of personal care products in sewage sludge by pressurized liquid extraction and ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 5619-5625.	1.8	116
28	A new molecularly imprinted polymer for the selective extraction of naproxen from urine samples by solid-phase extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 813, 137-143.	1.2	114
29	New coatings for stir-bar sorptive extraction of polar emerging organic contaminants. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 54, 11-23.	5.8	114
30	Hypercrosslinked materials: preparation, characterisation and applications. <i>Polymer Chemistry</i> , 2015, 6, 7231-7244.	1.9	112
31	Novel enrofloxacin imprinted polymer applied to the solid-phase extraction of fluorinated quinolones from urine and tissue samples. <i>Analytica Chimica Acta</i> , 2006, 562, 145-151.	2.6	107
32	Chemically modified polymeric resin used as sorbent in a solid-phase extraction process to determine phenolic compounds in water. <i>Journal of Chromatography A</i> , 1997, 771, 55-61.	1.8	105
33	Synthesis and application of a carbamazepine-imprinted polymer for solid-phase extraction from urine and wastewater. <i>Analytica Chimica Acta</i> , 2007, 597, 6-11.	2.6	104
34	Mixed-mode ion-exchange polymeric sorbents: dual-phase materials that improve selectivity and capacity. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 765-779.	5.8	100
35	Evaluation of a new hypercrosslinked polymer as a sorbent for solid-phase extraction of polar compounds. <i>Journal of Chromatography A</i> , 2005, 1075, 51-56.	1.8	99
36	New chemically modified polymeric resin for solid-phase extraction of pesticides and phenolic compounds from water. <i>Journal of Chromatography A</i> , 1998, 803, 147-155.	1.8	98

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37	Ionic liquids in solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 15-26.	5.8	98
38	Determination of antibiotic compounds in water by solid-phase extractionâ€“high-performance liquid chromatographyâ€“(electrospray) mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 1010, 225-232.	1.8	97
39	Synthesis and application of an oxytetracycline imprinted polymer for the solid-phase extraction of tetracycline antibiotics. <i>Analytica Chimica Acta</i> , 2005, 552, 81-86.	2.6	96
40	Determination of carboxylic acids, sugars, glycerol and ethanol in wine and grape must by ion-exchange high-performance liquid chromatography with refractive index detection. <i>Journal of Chromatography A</i> , 1992, 590, 215-222.	1.8	95
41	Combined scenarios of chemical and ecological quality under water scarcity in Mediterranean rivers. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1269-1278.	5.8	91
42	Presence of Pharmaceuticals and Hormones in Waters from Sewage Treatment Plants. <i>Water, Air, and Soil Pollution</i> , 2011, 217, 267-281.	1.1	91
43	Determination of macrolide antibiotics in meat and fish using pressurized liquid extraction and liquid chromatographyâ€“mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1208, 83-89.	1.8	89
44	Comparison of different sorbents for on-line solid-phase extraction of pesticides and phenolic compounds from natural water followed by liquid chromatography. <i>Journal of Chromatography A</i> , 1998, 793, 257-263.	1.8	88
45	Occurrence of pharmaceuticals and hormones in sewage sludge. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1484-1489.	2.2	88
46	Exposure to nitrosamines in thirdhand tobacco smoke increases cancer risk in non-smokers. <i>Environment International</i> , 2014, 71, 139-147.	4.8	87
47	Novel coatings for stir bar sorptive extraction to determine pharmaceuticals and personal care products in environmental waters by liquid chromatography and tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 774, 51-60.	2.6	86
48	Pharmaceutical determination in surface and wastewaters using high-performance liquid chromatography-(electrospray)-mass spectrometry. <i>Journal of Separation Science</i> , 2007, 30, 297-303.	1.3	85
49	Supported imidazolium ionic liquid phases: A new material for solid-phase extraction. <i>Talanta</i> , 2009, 80, 250-256.	2.9	84
50	Separation of eleven priority phenols by capillary zone electrophoresis with ultraviolet detection. <i>Journal of Chromatography A</i> , 1996, 734, 367-373.	1.8	83
51	Estrogens and their conjugates: Determination in water samples by solid-phase extraction and liquid chromatographyâ€“tandem mass spectrometry. <i>Talanta</i> , 2009, 78, 1327-1331.	2.9	83
52	Determination of phenolic compounds in natural waters by liquid chromatography with ultraviolet and electrochemical detection after on-line trace enrichment. <i>Journal of Chromatography A</i> , 1996, 738, 1-9.	1.8	82
53	Monitoring of pesticides in river water based on samples previously stored in polymeric cartridges followed by on-line solid-phase extraction-liquid chromatographyâ€“diode array detection and confirmation by atmospheric pressure chemical ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 1999, 386, 237-248.	2.6	80
54	Comparison of automated on-line solid-phase extraction followed by liquid chromatographyâ€“mass spectrometry with atmospheric pressure chemical ionization and particle beam mass spectrometry for the determination of a priority group of pesticides in environmental waters. <i>Journal of Chromatography A</i> , 1998, 794, 147-163.	1.8	79

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55	Determination of natural and synthetic estrogens and their conjugates in sewage sludge by pressurized liquid extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1213, 224-230.	1.8	78
56	An overview of analytical methods and occurrence of benzotriazoles, benzothiazoles and benzenesulfonamides in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 62, 46-55.	5.8	76
57	Determination of pesticides in environmental waters by solid-phase extraction and gas chromatography with electron-capture and mass spectrometry detection. <i>Journal of Chromatography A</i> , 1997, 771, 221-231.	1.8	73
58	Occurrence of Antifouling Biocides in the Spanish Mediterranean Marine Environment. <i>Environmental Technology (United Kingdom)</i> , 2001, 22, 543-552.	1.2	73
59	Stir bar sorptive extraction and large volume injection gas chromatography to determine a group of endocrine disruptors in water samples. <i>Journal of Chromatography A</i> , 2003, 1007, 1-9.	1.8	73
60	Hydrophilic hypercrosslinked polymeric sorbents for the solid-phase extraction of polar contaminants from water. <i>Journal of Chromatography A</i> , 2010, 1217, 3238-3243.	1.8	73
61	Development and application of a polar coating for stir bar sorptive extraction of emerging pollutants from environmental water samples. <i>Analytica Chimica Acta</i> , 2011, 706, 135-142.	2.6	71
62	Stir-bar-sorptive extraction and ultra-high-performance liquid chromatography-tandem mass spectrometry for simultaneous analysis of UV filters and antimicrobial agents in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2833-2839.	1.9	70
63	Synthesis of Davankov-type hypercrosslinked resins using different isomer compositions of vinylbenzyl chloride monomer, and application in the solid-phase extraction of polar compounds. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1718-1728.	2.5	69
64	Comparing human exposure to emerging and legacy flame retardants from the indoor environment and diet with concentrations measured in serum. <i>Environment International</i> , 2015, 74, 54-59.	4.8	69
65	Determination of volatile organic compounds in urban and industrial air from Tarragona by thermal desorption and gas chromatography-mass spectrometry. <i>Talanta</i> , 2007, 72, 941-950.	2.9	67
66	Application of on-line solid-phase extraction-gas chromatography-mass spectrometry to the determination of endocrine disruptors in water samples. <i>Journal of Chromatography A</i> , 2002, 963, 287-294.	1.8	66
67	Solid-phase extraction of polar compounds with a hydrophilic copolymeric sorbent. <i>Journal of Chromatography A</i> , 2004, 1030, 63-68.	1.8	65
68	Comparative study of solvent extraction and thermal desorption methods for determining a wide range of volatile organic compounds in ambient air. <i>Talanta</i> , 2010, 82, 719-727.	2.9	65
69	Determination of volatile organic sulfur compounds in the air at sewage management areas by thermal desorption and gas chromatography-mass spectrometry. <i>Talanta</i> , 2008, 74, 562-569.	2.9	64
70	Determination of glucocorticoids in sewage and river waters by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1224, 19-26.	1.8	64
71	Determination of eleven priority EPA phenolics at ng L <sup>-1</sup> levels by on-line solid-phase extraction and liquid chromatography with UV and electrochemical detection. <i>Chromatographia</i> , 1998, 47, 176-182.	0.7	63
72	Efficient tandem solid-phase extraction and liquid chromatography-triple quadrupole mass spectrometry method to determine polar benzotriazole, benzothiazole and benzenesulfonamide contaminants in environmental water samples. <i>Journal of Chromatography A</i> , 2013, 1309, 22-32.	1.8	63

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73	Solid-phase Extraction of Phenols and Pesticides in Water With a Modified Polymeric Resin. <i>Analyst</i> , The, 1997, 122, 425-428.	1.7	62
74	Determination of parabens in house dust by pressurised hot water extraction followed by stir bar sorptive extraction and thermal desorption-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 6226-6231.	1.8	62
75	Automated on-line trace enrichment and determination of phenolic compounds in environmental waters by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1995, 696, 31-39.	1.8	61
76	Direct determination of ciprofloxacin by mass spectrometry after a two-step solid-phase extraction using a molecularly imprinted polymer. <i>Journal of Separation Science</i> , 2006, 29, 1230-1236.	1.3	61
77	Determination of high-intensity sweeteners in river water and wastewater by solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1393, 106-114.	1.8	60
78	Synthesis and application of hypercrosslinked polymers with weak cation-exchange character for the selective extraction of basic pharmaceuticals from complex environmental water samples. <i>Journal of Chromatography A</i> , 2010, 1217, 1575-1582.	1.8	59
79	Determination of endocrine-disrupting compounds in water samples by on-line solid-phase extraction-programmed-temperature vapourisation-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 998, 41-50.	1.8	58
80	Quantification from highly drifted and overlapped chromatographic peaks using second-order calibration methods. <i>Journal of Chromatography A</i> , 2004, 1035, 195-202.	1.8	58
81	Analytical methods for personal-care products in environmental waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 749-760.	5.8	58
82	Determination of nicotine and N-nitrosamines in house dust by pressurized liquid extraction and comprehensive gas chromatography-Nitrogen chemiluminescence detection. <i>Journal of Chromatography A</i> , 2012, 1219, 180-187.	1.8	57
83	Synthetic approaches to parabens molecularly imprinted polymers and their applications to the solid-phase extraction of river water samples. <i>Analytica Chimica Acta</i> , 2010, 677, 72-78.	2.6	55
84	Development of a thermal desorption-gas chromatography-mass spectrometry method for determining personal care products in air. <i>Journal of Chromatography A</i> , 2010, 1217, 4430-4438.	1.8	55
85	A high-throughput method for determination of metabolites of organophosphate flame retardants in urine by ultra performance liquid chromatography-high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 845, 98-104.	2.6	55
86	Pressurized liquid extraction of pharmaceuticals from sewage-sludge. <i>Journal of Separation Science</i> , 2007, 30, 979-984.	1.3	54
87	A quick, easy, cheap, effective, rugged and safe extraction method followed by liquid chromatography-(Orbitrap) high resolution mass spectrometry to determine benzotriazole, benzothiazole and benzenesulfonamide derivatives in sewage sludge. <i>Journal of Chromatography A</i> , 2014, 1339, 34-41.	1.8	54
88	Improvement of on-line solid-phase extraction for determining phenolic compounds in water. <i>Chromatographia</i> , 1995, 41, 521-526.	0.7	53
89	Determination of phenolic compounds at low $\hat{1}/4g\ 1\hat{a}^1$ levels by various solid-phase extractions followed by liquid chromatography and diode-array detection. <i>Journal of Chromatography A</i> , 1996, 719, 105-112.	1.8	53
90	Monodisperse, hypercrosslinked polymer microspheres as tailor-made sorbents for highly efficient solid-phase extractions of polar pollutants from water samples. <i>Journal of Chromatography A</i> , 2008, 1191, 118-124.	1.8	53

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91	Selective materials for solid-phase extraction in environmental analysis. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 1, e8-e18.	5.3	52
92	Comparison of triple quadrupole mass spectrometry and Orbitrap high-resolution mass spectrometry in ultrahigh performance liquid chromatography for the determination of veterinary drugs in sewage: benefits and drawbacks. <i>Journal of Mass Spectrometry</i> , 2014, 49, 585-596.	0.7	52
93	OCCLURENCE OF TWENTY-SIX ENDOCRINE-DISRUPTING COMPOUNDS IN ENVIRONMENTAL WATER SAMPLES FROM CATALONIA, SPAIN. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 261.	2.2	51
94	Characterization of ozone precursor volatile organic compounds in urban atmospheres and around the petrochemical industry in the Tarragona region. <i>Science of the Total Environment</i> , 2009, 407, 4312-4319.	3.9	51
95	Solid-phase microextraction of the antifouling Irgarol 1051 and the fungicides dichlofluanid and 4-chloro-3-methylphenol in water samples. <i>Journal of Chromatography A</i> , 1999, 839, 253-260.	1.8	50
96	Simultaneous determination of parabens and synthetic musks in water by stir-bar sorptive extraction and thermal desorption-gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2012, 35, 580-588.	1.3	49
97	Preparation of a polar monolithic stir bar based on methacrylic acid and divinylbenzene for the sorptive extraction of polar pharmaceuticals from complex water samples. <i>Journal of Chromatography A</i> , 2012, 1225, 1-7.	1.8	48
98	Optimization of solid-phase microextraction conditions using a response surface methodology to determine organochlorine pesticides in water by gas chromatography and electron-capture detection. <i>Journal of Chromatography A</i> , 1999, 844, 425-432.	1.8	47
99	Determination of polycyclic aromatic hydrocarbons and polycyclic aromatic sulfur heterocycles by high-performance liquid chromatography with fluorescence and atmospheric pressure chemical ionization mass spectrometry detection in seawater and sediment samples. <i>Journal of Chromatography A</i> , 2002, 958, 141-148.	1.8	47
100	Development of a stir bar sorptive extraction and thermal desorption-gas chromatography-mass spectrometry method for determining synthetic musks in water samples. <i>Journal of Chromatography A</i> , 2011, 1218, 156-161.	1.8	47
101	Occurrence of benzothiazole, benzotriazole and benzenesulfonamide derivatives in outdoor air particulate matter samples and human exposure assessment. <i>Chemosphere</i> , 2018, 193, 557-566.	4.2	47
102	Drugs of abuse and their metabolites in waste and surface waters by liquid chromatography-tandem mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 1091-1101.	1.3	46
103	Comparative study of different fabric phase sorptive extraction sorbents to determine emerging contaminants from environmental water using liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2015, 144, 1342-1351.	2.9	46
104	Determination of various pesticides using membrane extraction discs and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1994, 670, 135-144.	1.8	45
105	Occurrence of plastic additives in outdoor air particulate matters from two industrial parks of Tarragona, Spain: Human inhalation intake risk assessment. <i>Journal of Hazardous Materials</i> , 2019, 373, 649-659.	6.5	45
106	Human exposure to polycyclic aromatic hydrocarbons (PAHs) using data from a duplicate diet study in Catalonia, Spain. <i>Food and Chemical Toxicology</i> , 2012, 50, 4103-4108.	1.8	44
107	Dynamic fabric phase sorptive extraction for a group of pharmaceuticals and personal care products from environmental waters. <i>Journal of Chromatography A</i> , 2016, 1456, 19-26.	1.8	44
108	On-line trace enrichment of polar pesticides in environmental waters by reversed-phase liquid chromatography-diode array detection-particle beam mass spectrometry. <i>Journal of Chromatography A</i> , 1995, 696, 63-74.	1.8	43

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109	Determination of emerging halogenated flame retardants and polybrominated diphenyl ethers in serum by gas chromatography mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1310, 126-132.	1.8	43
110	Chemical removal of humic substances interfering with the on-line solid-phase extractionâ€”Liquid chromatographic determination of polar water pollutants. <i>Chromatographia</i> , 1998, 48, 231-236.	0.7	42
111	Selective extraction of sulfonamides, macrolides and other pharmaceuticals from sewage sludge by pressurized liquid extraction. <i>Journal of Chromatography A</i> , 2007, 1174, 125-131.	1.8	42
112	On-line solid-phase extraction coupled to hydrophilic interaction chromatographyâ€”mass spectrometry for the determination of polar drugs. <i>Journal of Chromatography A</i> , 2011, 1218, 5975-5980.	1.8	42
113	Second-order bilinear calibration for determining polycyclic aromatic compounds in marine sediments by solvent extraction and liquid chromatography with diode-array detection. <i>Analytica Chimica Acta</i> , 2003, 498, 47-53.	2.6	41
114	Volatile organic compounds in air at urban and industrial areas in the Tarragona region by thermal desorption and gas chromatographyâ€”mass spectrometry. <i>Environmental Monitoring and Assessment</i> , 2010, 161, 389-402.	1.3	41
115	Selective determination of pharmaceuticals and illicit drugs in wastewaters using a novel strong cation-exchange solid-phase extraction combined with liquid chromatographyâ€”tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1325, 137-146.	1.8	41
116	Comparative study of solid-phase extraction of phenolic compounds. Influence of the ion pair reagent. <i>Chromatographia</i> , 1994, 38, 579-584.	0.7	40
117	On-line coupling of solid-phase extraction to gas chromatography with mass spectrometric detection to determine pesticides in water. <i>Journal of Chromatography A</i> , 1998, 818, 85-93.	1.8	40
118	Selective enrichment of anti-inflammatory drugs from river water samples by solid-phase extraction with a molecularly imprinted polymer. <i>Journal of Separation Science</i> , 2005, 28, 2080-2085.	1.3	39
119	Selective solidâ€”phase extraction of amoxicillin and cephalexin from urine samples using a molecularly imprinted polymer. <i>Journal of Separation Science</i> , 2008, 31, 2868-2874.	1.3	39
120	Weak anion-exchange hypercrosslinked sorbent in on-line solid-phase extractionâ€”liquid chromatography coupling to achieve automated determination with an effective clean-up. <i>Journal of Chromatography A</i> , 2010, 1217, 2855-2861.	1.8	39
121	Preparation of a polar monolithic coating for stir bar sorptive extraction of emerging contaminants from wastewaters. <i>Journal of Chromatography A</i> , 2013, 1295, 42-47.	1.8	39
122	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. <i>Journal of Hazardous Materials</i> , 2021, 401, 123272.	6.5	39
123	Validation of a confirmatory method for the determination of macrolides in liver and kidney animal tissues in accordance with the European Union regulation 2002/657/EC. <i>Journal of Chromatography A</i> , 2007, 1157, 281-288.	1.8	38
124	A rapid determination of acidic pharmaceuticals in environmental waters by molecularly imprinted solid-phase extraction coupled to tandem mass spectrometry without chromatography. <i>Talanta</i> , 2013, 110, 196-201.	2.9	38
125	Hydrophilic interaction liquid chromatography coupled to mass spectrometry-based detection to determine emerging organic contaminants in environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 94, 141-149.	5.8	38
126	Molecularly imprinted solid-phase extraction of naphthalene sulfonates from water. <i>Journal of Chromatography A</i> , 2004, 1047, 175-180.	1.8	38

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127	Solid-phase microextraction-Gas chromatography to determine volatile organic sulfur compounds in the air at sewage treatment plants. <i>Talanta</i> , 2008, 77, 774-778.	2.9	37
128	Materials for Solid-Phase Extraction of Organic Compounds. <i>Separations</i> , 2019, 6, 56.	1.1	37
129	Time shift correction in second-order liquid chromatographic data with iterative target transformation factor analysis. <i>Analytica Chimica Acta</i> , 2002, 470, 163-173.	2.6	36
130	Phosphodiesterase type V inhibitors: Occurrence and fate in wastewater and sewage sludge. <i>Water Research</i> , 2010, 44, 1607-1615.	5.3	36
131	Comparison between sampling and analytical methods in characterization of pollutants in biogas. <i>Talanta</i> , 2012, 100, 145-152.	2.9	36
132	Solid-phase extraction followed by liquid chromatography-high resolution mass spectrometry to determine synthetic cathinones in different types of environmental water samples. <i>Journal of Chromatography A</i> , 2017, 1524, 66-73.	1.8	36
133	On-line and off-line solid-phase extraction with styrene-divinylbenzene-membrane extraction disks for determining pesticides in water by reversed-phase liquid chromatography-diode-array detection. <i>Journal of Chromatography A</i> , 1996, 754, 77-84.	1.8	35
134	Determination of naphthalenesulfonates in water by on-line ion-pair solid-phase extraction and ion-pair liquid chromatography with fast-scanning fluorescence detection. <i>Journal of Chromatography A</i> , 2000, 890, 289-294.	1.8	35
135	Preparation and characterization of highly polar polymeric sorbents from styrene-divinylbenzene and vinylpyridine-divinylbenzene for the solid-phase extraction of polar organic pollutants. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1927-1933.	2.5	35
136	Analysing the effect of global change on the historical trends of water resources in the headwaters of the Llobregat and Ter river basins (Catalonia, Spain). <i>Physics and Chemistry of the Earth</i> , 2011, 36, 655-661.	1.2	35
137	Hypercrosslinked strong anion-exchange resin for extraction of acidic pharmaceuticals from environmental water. <i>Journal of Separation Science</i> , 2012, 35, 2621-2628.	1.3	35
138	Determination of phthalates and organophosphate esters in particulated material from harbour air samples by pressurised liquid extraction and gas chromatography-mass spectrometry. <i>Talanta</i> , 2012, 101, 473-478.	2.9	35
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141	New hydrophilic polymeric resin based on 4-vinylpyridine-divinylbenzene for solid-phase extraction of polar compounds from water. <i>Journal of Chromatography A</i> , 2004, 1035, 281-284.	1.8	34
142	Determination of Endocrine Disruptors in Environmental Water Samples by Stir Bar Sorptive Extraction-Liquid Desorption - Large Volume Injection-Gas Chromatography. <i>Chromatographia</i> , 2005, 61, 61-65.	0.7	34
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144	Pressurised liquid extraction and ultra-high performance liquid chromatography-tandem mass spectrometry to determine endogenous and synthetic glucocorticoids in sewage sludge. <i>Talanta</i> , 2013, 103, 186-193.	2.9	34

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146	Monitoring of antifouling agents in water samples by on-line solid-phase extraction-liquid chromatography-atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 915, 139-147.	1.8	33
147	Determination of pharmaceuticals in wastewaters using solid-phase extraction-liquid chromatography-tandem mass spectrometry. <i>Journal of Separation Science</i> , 2012, 35, 875-882.	1.3	33
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151	Influence of chemical modification of polymeric resin on retention of polar compounds in solid-phase extraction. <i>Chromatographia</i> , 1999, 50, 21-26.	0.7	31
152	Determination of volatile organic compounds in industrial wastewater plant air emissions by multi-sorbent adsorption and thermal desorption-gas chromatography-mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 911-928.	1.8	31
153	Thermal desorption-gas chromatography-mass spectrometry method to determine phthalate and organophosphate esters from air samples. <i>Journal of Chromatography A</i> , 2013, 1303, 76-82.	1.8	31
154	The embodiment of wastewater data for the estimation of illicit drug consumption in Spain. <i>Science of the Total Environment</i> , 2021, 772, 144794.	3.9	31
155	Determination of polycyclic aromatic hydrocarbons in waters by use of supercritical fluid chromatography coupled on-line to solid-phase extraction with disks. <i>Journal of Chromatography A</i> , 1997, 778, 321-328.	1.8	30
156	Comparison of Hydrophilic Polymeric Sorbents for On-Line Solid-Phase Extraction of Polar Compounds from Aqueous Samples. <i>Chromatographia</i> , 2004, 60, 511-515.	0.7	30
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158	Assessing alcohol consumption through wastewater-based epidemiology: Spain as a case study. <i>Drug and Alcohol Dependence</i> , 2020, 215, 108241.	1.6	30
159	On-line solid-phase extraction coupled to supercritical fluid chromatography to determine phenol and nitrophenols in water. <i>Journal of Chromatography A</i> , 1996, 755, 67-74.	1.8	29
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161	Phthalate esters in marine ecosystems: Analytical methods, occurrence and distribution. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 151, 116598.	5.8	29
162	A pressurised hot water extraction and liquid chromatography-high resolution mass spectrometry method to determine polar benzotriazole, benzothiazole and benzenesulfonamide derivatives in sewage sludge. <i>Journal of Chromatography A</i> , 2014, 1355, 53-60.	1.8	28

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167	Determination of Polycyclic Aromatic Hydrocarbons in Water by Solid-Phase Extraction Membranes. <i>International Journal of Environmental Analytical Chemistry</i> , 1996, 64, 47-57.	1.8	25
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169	Trace determination of antifouling compounds by on-line solid-phase extractionâ€”gas chromatographyâ€”mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 885, 361-368.	1.8	25
170	Determination of seven drugs of abuse and their metabolites in surface and wastewater using solidâ€”phase extraction coupled to liquid chromatography with highâ€”resolution mass spectrometry. <i>Journal of Separation Science</i> , 2017, 40, 3621-3631.	1.3	25
171	First nation-wide estimation of tobacco consumption in Spain using wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2020, 741, 140384.	3.9	24
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174	Overview of mixed-mode ion-exchange materials in the extraction of organic compounds. <i>Analytica Chimica Acta</i> , 2020, 1117, 89-107.	2.6	23
175	Determination of polyether ionophores in urban sewage sludge by pressurised liquid extraction and liquid chromatographyâ€”tandem mass spectrometry: Study of different clean-up strategies. <i>Journal of Chromatography A</i> , 2013, 1285, 31-39.	1.8	22
176	Lung cancer risk by polycyclic aromatic hydrocarbons in a Mediterranean industrialized area. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23215-23227.	2.7	22
177	Determination of free amino acids by precolumn derivatization with phenylisothiocyanate. Application to wine samples. <i>Chromatographia</i> , 1991, 31, 272-276.	0.7	21
178	Trace-level determination of sweeteners in sewage sludge using selective pressurized liquid extraction and liquid chromatographyâ€”tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1408, 15-21.	1.8	21
179	Passive sampling of volatile organic compounds in industrial atmospheres: Uptake rate determinations and application. <i>Science of the Total Environment</i> , 2019, 666, 235-244.	3.9	21
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188	A method for the determination of histamine in wine by HPLC with precolumn derivatization with phenylisothiocyanate. <i>Chromatographia</i> , 1991, 31, 133-136.	0.7	19
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191	Role of solid-phase extraction in wastewater-based epidemiology. <i>Current Opinion in Environmental Science and Health</i> , 2019, 9, 26-33.	2.1	19
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193	Comparison of mixed-mode anion-exchange performance of N-vinylimidazole-divinylbenzene sorbent. <i>Journal of Separation Science</i> , 2006, 29, 1622-1629.	1.3	18
194	Pressurized Liquid Extraction of Contaminants from Environmental Samples. <i>Current Analytical Chemistry</i> , 2008, 4, 157-167.	0.6	18
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214	Optimized isocratic separation of major carboxylic acids in wine. <i>Journal of Chromatography A</i> , 1991, 542, 277-293.	1.8	12
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229	Pressurised liquid extraction of polycyclic aromatic hydrocarbons from gas and particulate phases of atmospheric samples. <i>Journal of Separation Science</i> , 2009, 32, 1051-1059.	1.3	9
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231	Optimization of the derivatization method for the liquid-chromatographic determination of carboxylic acids in wines. <i>Analytica Chimica Acta</i> , 1991, 242, 25-30.	2.6	8
232	Development of a maleic acid-based material to selectively solid-phase extract basic compounds from environmental samples. <i>Journal of Chromatography A</i> , 2021, 1647, 462165.	1.8	8
233	Determination of additives in wine by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1992, 607, 339-347.	1.8	7
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246	Passive sampling to control air quality in schools: Uptake rate determination and application. <i>Indoor Air</i> , 2020, 30, 1005-1017.	2.0	4
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248	Study of the retention behavior of iodinated X-ray contrast agents in hydrophilic interaction liquid chromatography, comparing bare silica and zwitterionic stationary phases. <i>Journal of Separation Science</i> , 2014, 37, 1111-1117.	1.3	2
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