

CITATION REPORT

List of articles citing

Solid phase microextraction with thermal desorption using fused silica optical fibers

DOI: 10.1021/ac00218a019

Analytical Chemistry, 1990, 62, 2145-2148.

Source: <https://exaly.com/paper-pdf/21302847/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
2285	Detection of substituted benzenes in water at the pg/ml level using solid-phase microextraction and gas chromatography-ion trap mass spectrometry. 1992 , 625, 247-55		225
2284	Solventless determination of caffeine in beverages using solid-phase microextraction with fused-silica fibers. 1992 , 603, 185-91		161
2283	Environmental analysis of organic compounds in water using solid phase micro extraction. 1992 , 15, 741-744		149
2282	On-line monitoring of flowing samples using solid phase microextraction-gas chromatography. 1993 , 284, 265-273		75
2281	Solventless injection technique for microcolumn separations. 1993 , 5, 51-56		27
2280	Analysis of organic compounds in environmental samples by headspace solid phase microextraction. 1993 , 16, 689-692		122
2279	Trapping efficiency of aqueous micropollutants sampled and analysed using the same capillary column. Theoretical aspects and experimental results. 1993 , 35, 653-660		10
2278	Solid phase micro-extraction of metal ions. 1993 , 112, 41-46		42
2277	Characterization of a Fiber-Optic Evanescent Wave Absorbance Sensor for Nonpolar Organic Compounds. 1993 , 47, 753-763		87
2276	Determination of phenols by solid-phase microextraction and gas chromatographic analysis. 1993 , 27, 2844-2848		207
2275	Headspace Solid-Phase Microextraction versus Purge and Trap for the Determination of Substituted Benzene Compounds in Water. 1994 , 32, 317-322		67
2274	Determination of the semi-volatile compounds nitrobenzene, isophorone, 2,4-dinitrotoluene and 2,6-dinitrotoluene in water using solid-phase microextraction with a polydimethylsiloxane- coated fibre. 1994 , 678, 313-318		50
2273	Analysis of the petroleum components benzene, toluene, ethyl benzene and the xylenes in water by commercially available solid-phase microextraction and carbon-layer open tubular capillary column gas chromatography. 1994 , 677, 201-205		22
2272	Solvent-free sample introduction for supercritical fluid chromatography using polymer coated fibers. 1994 , 6, 443-447		18
2271	Solid-phase microextraction using pencil lead as sorbent for analysis of organic pollutants in water. 1994 , 298, 219-223		55
2270	Chromatographic clean-up methods for the determination of persistent organic compounds in aqueous environmental samples. 1994 , 13, 389-397		8
2269	Rapid determination of polyaromatic hydrocarbons and polychlorinated biphenyls in water using solid-phase microextraction and GC/MS. 1994 , 28, 298-305		326

2268	Analytical methods for the determination of pesticides and their occurrence in the ground water. 1995,	
2267	Solid phase microextraction/isothermal GC for rapid analysis of complex organic samples. 1995, 18, 161-166	36
2266	Analysis of monoterpenes from conifer needles using solid phase microextraction. 1995, 18, 587-592	38
2265	Solid-phase microextraction of nitrogen-containing herbicides. 1995, 704, 163-172	206
2264	Trace level analysis of micropollutants in aqueous samples using gas chromatography with on-line sample enrichment and large volume injection. 1995, 703, 277-307	107
2263	A simple analysis of 5 thinner components in human body fluids by headspace solid-phase microextraction (SPME). 1995, 107, 310-3	37
2262	Determination of pesticides in aqueous samples by solid-phase microextraction in-line coupled to gas chromatography-mass spectrometry. 1995, 6, 1119-30	115
2261	Solid-phase microextraction for the determination of the free concentration of valproic acid in human plasma by capillary gas chromatography. 1995, 673, 299-305	65
2260	Detection of amphetamines in urine using head space-solid phase microextraction and chemical ionization selected ion monitoring. 1995, 76, 169-77	76
2259	Determination of methylmercury in fish and river water samples using in situ sodium tetraethylborate derivatization following by solid-phase microextraction and gas chromatography-mass spectrometry. 1995, 696, 113-122	126
2258	Automated determination of s-triazine herbicides using solid-phase microextraction. 1995, 705, 305-312	52
2257	Comparison of on-line SPE-HPLC and SPME-GC for the analysis of microcontaminants in water. 1995, 41, 462-470	16
2256	Solid phase microextraction using fused silica fibers coated with graphitized carbon black. 1995, 41, 678-684	40
2255	Solid phase microextraction using fused silica fibers coated with graphitized carbon black. 1995, 41, 678-684	16
2254	A review of solid phase extraction: Basic principles and new developments. 1995, 40, 474-483	208
2253	Comparison of on-line SPE-HPLC and SPME-GC for the analysis of microcontaminants in water. 1995, 41, 462-470	6
2252	Determination of organophosphorus, triazine and 2,6-dinitroaniline pesticides in aqueous samples via solid-phase microextraction (SPME) and gas chromatography with nitrogen-phosphorus detection. 1995, 351, 555-562	117
2251	Core-Based Intrinsic Fiber-Optic Absorption Sensor for the Detection of Volatile Organic Compounds. 1995, 49, 379-385	18

2250	Influence of concentration and sample volume on the recovery of compounds from water following direct sorption on Tenax TA thermal desorption. 1995 , 120, 2781-2786		6
2249	Influence of Ethanol on Pesticide Extraction in Aqueous Solutions by Solid-Phase Microextraction. 1996 , 44, 3871-3877		67
2248	Solid phase microextraction for quantitative headspace sampling of apple volatiles. <i>Analytical Chemistry</i> , 1996 , 68, 4114-8	7.8	144
2247	Liquid Chromatographic Sensing in Water on a Thin-Clad Optical Fiber by Mode-Filtered Light Detection. <i>Analytical Chemistry</i> , 1996 , 68, 1456-1463	7.8	13
2246	Quantitative determination of total molar concentrations of bioaccumulatable organic micropollutants in water using C18 empore disk and molar detection techniques. <i>Analytical Chemistry</i> , 1996 , 68, 2916-26	7.8	40
2245	Measurement of the Free Concentration Using Solid-Phase Microextraction: Binding to Protein. <i>Analytical Chemistry</i> , 1996 , 68, 4463-4467	7.8	179
2244	Partitioning of Organic Chemicals to Polyacrylate-Coated Solid Phase Microextraction Fibers: Kinetic Behavior and Quantitative Structure-Property Relationships. <i>Analytical Chemistry</i> , 1996 , 68, 4458-4462	7.8	77
2243	Comparative Solid Phase Extraction, Solid Phase Microextraction, and Immunoassay Analyses of Metolachlor in Surface Runoff and Tile Drainage. 1996 , 44, 2736-2741		11
2242	Solid-Phase Microextraction of Nitrogen- and Phosphorus-Containing Pesticides from Water and Gas Chromatographic Analysis. 1996 , 30, 3259-3265		74
2241	Modern analyses and binding studies of flavour volatiles with particular reference to dairy protein products. 1996 , 29, 265-290		32
2240	Direct solid phase microextraction for the determination of BTEX in water and wastewater. 1996 , 19, 472-474		31
2239	Quantitative analysis of fuel-related hydrocarbons in surface water and wastewater samples by solid-phase microextraction. <i>Analytical Chemistry</i> , 1996 , 68, 144-55	7.8	181
2238	Solid-phase microextraction combined with electrochemistry. 1996 , 33, 361-364		31
2237	Protocol for the Analysis of High Concentrations of Benzene, Toluene, Ethylbenzene, and Xylene Isomers in Water Using Automated Solid-Phase Microextraction-CBID. 1996 , 30, 1521-1526		29
2236	Performance improvements in the determination of mercury species in natural gas condensate using an on-line amalgamation trap or solid-phase micro-extraction with capillary gas chromatography-microwave-induced plasma atomic emission spectrometry. 1996 , 121, 1055-1060		58
2235	Detection of organophosphate pesticides in human body fluids by headspace solid-phase microextraction (SPME) and capillary gas chromatography with nitrogen-phosphorus detection. 1996 , 42, 135-140		68
2234	Simple extraction of phencyclidine from human body fluids by headspace solid-phase microextraction (SPME). 1996 , 43, 331-333		32
2233	Detection of ethanol in human body fluids by headspace solid-phase micro extraction (SPME)/capillary gas chromatography. 1996 , 43, 393-397		45

2232	Extraction of local anaesthetics from human blood by direct immersion-solid phase micro extraction (SPME). 1996 , 43, 59-62	38
2231	Determination of chloroethenes in environmental biological samples using gas chromatography coupled with solid phase micro extraction. 1996 , 42, 313-317	10
2230	Head-space solid phase microextraction for the GC-MS analysis of terpenoids in herb based formulations. 1996 , 356, 80-3	34
2229	Methods of isolation and determination of volatile organohalogen compounds in natural and treated waters. 1996 , 733, 417-448	28
2228	Application of solid-phase microextraction to the analysis of volatile organic compounds in water. 1996 , 742, 181-189	63
2227	On-line determination of organochlorine pesticides in water by solid-phase microextraction and gas chromatography with electron capture detection. 1996 , 19, 247-256	46
2226	Systematic optimization of the analysis of wine bouquet components by solid-phase microextraction. 1996 , 19, 257-262	66
2225	Trace analysis of hetero aromatic compounds (NSO) in water and polluted groundwater by Solid phase micro-extraction (SPME). 1996 , 19, 627-632	17
2224	On-line solid-phase extraction-thermal desorption-gas chromatography with ion trap detection tandem mass spectrometry for the analysis of microcontaminants in water. 1996 , 19, 679-685	26
2223	Solid-Phase Microextraction (SPME) of Pyrazines in Model Reaction Systems. 1996 , 72, 91-96	22
2222	Determination of 4-nonylphenol Part 2: Orthogonal array design as a chemometric method for the solid-phase microextraction of 4-nonylphenol in water. 1996 , 8, 131-136	6
2221	Rapid analysis of amphetamines in blood using head space-solid phase microextraction and selected ion monitoring. 1996 , 78, 95-102	90
2220	Analytical toxicology. 1996 , 80, 137-146	8
2219	Analysis of organochlorine pesticides using solid-phase microextraction. 1996 , 723, 111-22	186
2218	Solid-phase microextraction coupled to gas chromatography: A new method for the analysis of organics in water. 1996 , 733, 143-157	194
2217	Solid-phase microextraction of the herbicide metolachlor in runoff and tile-drainage water samples. 1996 , 725, 129-136	38
2216	Environmental analysis of volatile organic compounds in water and sediment by gas chromatography. 1996 , 733, 119-141	77
2215	Analysis of chlorinated 1,3-butadienes by solid-phase microextraction and gas chromatography-mass spectrometry. 1996 , 737, 85-91	20

2214	Development of a prototype system for quasi-continuous analysis of organic contaminants in surface or sewage water based on in-line coupling of solid-phase microextraction to gas chromatography. 1996 , 737, 59-65	32
2213	Analysis of organophosphorus insecticides from environmental samples using solid-phase microextraction. 1996 , 736, 219-228	137
2212	What is the true odour of cut Allium? Complementarity of various hyphenated methods: Gas chromatography-mass spectrometry and high-performance liquid chromatography-mass spectrometry with particle beam and atmospheric pressure ionization interfaces in sulphenic acids rearrangement components discrimination. 1996 , 750, 63-74	54
2211	Quantitative and qualitative analysis of MDMA, MDEA, MA and amphetamine in urine by headspace/solid phase micro-extraction (SPME) and GC/MS. 1996 , 83, 161-6	62
2210	Solid Phase Microextraction for Cheese Volatile Compound Analysis. 1996 , 61, 1118-1123	82
2209	Minimization of solvent consumption in pesticide residue analysis. 1996 , 754, 43-47	42
2208	Pollution of ground and drinking water with volatile organic compounds: Solid-phase microextraction and GC/MS analysis. 1996 , 55, 73-81	4
2207	Development and Evaluation of Sampling and Analytical Techniques for Investigating Air-Water Exchange of Chemicals. 1996 , 65, 169-182	1
2206	Application of a Solid-Phase Microextraction Technique for the Detection of Urinary Methamphetamine and Amphetamine by Gas Chromatography. 1996 , 29, 43-48	18
2205	Simple analysis of diphenylmethane antihistaminics and their analogues in bodily fluids by headspace solid-phase microextraction-capillary gas chromatography. 1997 , 35, 275-9	36
2204	The confirmation of volatiles by solid-phase microextraction and GC-MS in the investigation of two traffic fatalities. 1997 , 21, 286-90	23
2203	Sample Handling Techniques (Extraction and Clean-up of Samples). 1997 , 249-356	8
2202	Blood Alcohol Determination with Automated Solid Phase Microextraction (SPME): A Comparison with Static Headspace Sampling. 1997 , 30, 7-12	17
2201	Solid Phase Microextraction (SPME) of the Herbicide Atrazine in Aqueous Soil Suspensions. 1997 , 68, 137-153	6
2200	Headspace Solid-Phase Microextraction Analysis of Methyl Isothiocyanate in Wine. 1997 , 45, 3092-3094	29
2199	Solid Phase Microextraction for Quantitative Analysis in Nonequilibrium Situations. <i>Analytical Chemistry</i> , 1997 , 69, 1230-1236	7.8 314
2198	Solid phase microextraction as a tool to determine membrane/water partition coefficients and bioavailable concentrations in in vitro systems. 1997 , 10, 1067-72	152
2197	Use of Solid Phase Microextraction (SPME) with Ion Mobility Spectrometry*. 1997 , 30, 1437-1444	16

2196	Carbon Isotope Analyses of Semivolatile Organic Compounds in Aqueous Media Using Solid-Phase Microextraction and Isotope Ratio Monitoring GC/MS. <i>Analytical Chemistry</i> , 1997 , 69, 944-50	7.8	60
2195	Analysis of Cork Taint in Wine and Cork Material at Olfactory Subthreshold Levels by Solid Phase Microextraction. 1997 , 45, 1995-1997		98
2194	Calibration of a commercial solid-phase microextraction device for measuring headspace concentrations of organic volatiles. <i>Analytical Chemistry</i> , 1997 , 69, 364-72	7.8	105
2193	Comparison of Dynamic Headspace Concentration on Tenax with Solid Phase Microextraction for the Analysis of Aroma Volatiles. 1997 , 45, 2638-2641		82
2192	Porous Layer Solid Phase Microextraction Using Silica Bonded Phases. <i>Analytical Chemistry</i> , 1997 , 69, 190-195	7.8	110
2191	Liquid-Phase Microextraction in a Single Drop of Organic Solvent by Using a Conventional Microsyringe. <i>Analytical Chemistry</i> , 1997 , 69, 4634-4640	7.8	601
2190	New Trends in Solid-Phase Microextraction. 1997 , 27, 103-135		163
2189	Rapid Analysis of Volatile Flavor Compounds in Apple Fruit Using SPME and GC/Time-of-Flight Mass Spectrometry. 1997 , 45, 1801-1807		126
2188	Headspace Solid Phase Microextraction. Dynamics and Quantitative Analysis before Reaching a Partition Equilibrium. <i>Analytical Chemistry</i> , 1997 , 69, 3260-3266	7.8	141
2187	Determination of trihalomethanes in drinking water by solid-phase microextraction and gas chromatography with electron-captured detection. 1997 , 60, 39-45		7
2186	Sol-gel coating technology for the preparation of solid-phase microextraction fibers of enhanced thermal stability. <i>Analytical Chemistry</i> , 1997 , 69, 3889-98	7.8	363
2185	Detection of tricyclic antidepressants in whole blood by headspace solid-phase microextraction and capillary gas chromatography. 1997 , 35, 302-8		69
2184	Analysis of chlorobenzenes in soils by headspace solid-phase microextraction and gas chromatography-ion trap mass spectrometry. 1997 , 771, 181-189		52
2183	Determination of barbiturates by solid-phase microextraction (SPME) and ion trap gas chromatography-mass spectrometry. 1997 , 777, 275-82		92
2182	Determination of aromatic amines by solid-phase microextraction and gas chromatography-mass spectrometry in water samples. 1997 , 791, 221-230		96
2181	Characterization of Roasted Coffee and Coffee Beverages by Solid Phase Microextraction Gas Chromatography and Principal Component Analysis. 1997 , 45, 4680-4686		101
2180	Solid phase microextraction (SPME) as an effective means to isolate degradation products in polymers. 1997 , 5, 67-73		55
2179	Solid phase microextraction of volatile organic compounds using carboxen-polydimethylsiloxane fibers. 1997 , 46, 419-424		88

2178	Solid-phase microextraction: Artefact formation and its avoidance. 1997 , 46, 63-66	37
2177	Capillary electrophoretic separation of toxic drugs using a polyacrylamide-coated capillary. 1997 , 46, 309-314	35
2176	A new porous-layer activated-charcoal-coated fused silica fiber: Application for determination of BTEX compounds in water samples using headspace solid-phase microextraction and capillary gas chromatography. 1997 , 45, 183-189	59
2175	Determination of phenolic compounds in waste water by solid-phase micro extraction. 1997 , 357, 326-332	69
2174	Modified zeolites for mass spectral analysis of tributyl phosphate using in situ silver ion chemical ionization. 1997 , 8, 718-723	3
2173	Solvent-modified solid-phase microextraction for the determination of diazepam in human plasma samples by capillary gas chromatography. 1997 , 689, 357-64	42
2172	Solid-phase microextraction with capillary gas-liquid chromatography and nitrogen-phosphorus selective detection for the assay of antidepressant drugs in human plasma. 1997 , 696, 217-34	77
2171	Rapid analysis of malathion in blood using head space-solid phase microextraction and selected ion monitoring. 1997 , 88, 125-31	34
2170	Determination of Chloroethers in Aqueous Samples Using Solid-phase Microextraction. 1997 , 25, 329-334	12
2169	Analysis of steroids from human serum by SPME with headspace derivatization and GC/MS. 1997 , 20, 171-173	38
2168	Solid phase microextraction associated with microwave assisted extraction of food products. 1997 , 20, 213-216	33
2167	Solid-phase microextraction (SPME): A new tool in pheromone identification in lepidoptera. 1997 , 20, 340-342	39
2166	On-line determination of organophosphorus pesticides in water by solid-phase microextraction and gas chromatography with thermionic-selective detection. 1997 , 20, 487-492	21
2165	Construction of an interface for SPME-PCSFC. 1997 , 20, 619-620	7
2164	The behaviour of different organometallic compounds in the presence of inorganic mercury(II): transalkylation of mercury species and their analysis by the GCMIPBED system. 1997 , 11, 721-725	16
2163	Solid-phase microextraction of volatile organic compounds estimation of the sorption equilibrium from the Kov _{ES} index, effect of salinity and humic acids and the study of the kinetics by the development of an agitated/static layer model. 1997 , 761, 205-217	36
2162	Determination of haloethers in water by solid-phase microextraction. 1997 , 769, 239-246	16
2161	Determination of benzene derivatives in water by solid-phase microextraction. 1997 , 343, 101-108	34

2160	Solid-phase microextraction and gas chromatography with mass spectrometric detection for the determination of pesticides in aqueous samples. 1998 , 795, 105-115	110
2159	Solid-phase microextraction of polychlorinated biphenyls. 1998 , 800, 257-66	107
2158	Determination of carbonyl compounds in water by derivatization-solid-phase microextraction and gas chromatographic analysis. 1998 , 809, 75-87	84
2157	Simple method for estimating polychlorinated biphenyl concentrations on soils and sediments using subcritical water extraction coupled with solid-phase microextraction. 1998 , 814, 151-160	84
2156	Headspace solid-phase microextraction for the determination of volatile and semi-volatile pollutants in water and air. 1998 , 824, 53-61	63
2155	Improved extraction of ethanol from human body fluids by headspace solid-phase microextraction with a carboxen-polydimethylsiloxane-coated fiber. 1998 , 47, 593-595	28
2154	Solid-Phase Microextraction for the Analysis of Some Alcohols and Esters in Beer: Comparison with Static Headspace Method. 1998 , 46, 1469-1473	114
2153	Effect of the various parameters governing solid-phase microextraction for the trace-determination of pesticides in water. 1998 , 795, 27-42	104
2152	Solid-phase microextraction for quantitative analysis of organophosphorus pesticides in environmental water samples. 1998 , 808, 257-63	119
2151	Determination of benzene, toluene, ethylbenzene and xylenes in indoor air at environmental levels using diffusive samplers in combination with headspace solid-phase microextraction and high-resolution gas chromatography-flame ionization detection. 1998 , 826, 191-200	64
2150	Solid-phase microextraction (SPME) of drugs and poisons from biological samples. 1998 , 97, 93-100	58
2149	Bioconcentration kinetics of hydrophobic chemicals in different densities of <i>Chlorella pyrenoidosa</i> . 1998 , 17, 1695-1704	47
2148	Identification of Volatile Compounds in Sunflower Oil by Headspace SPME and Ion-Trap GC/MS. 1998 , 21, 368-370	29
2147	Use of Automated SPME Coupled to GC-AED for the Determination of Metazachlor in Waste Water. 1998 , 21, 661-664	6
2146	Determination of Urinary Mercury and Methylmercury by Solid Phase Microextraction and GC/MS. 1998 , 21, 665-666	12
2145	Determination of methylmercury in fish and aqueous samples using solid-phase microextraction followed by gas chromatography-atomic fluorescence spectrometry. 1998 , 12, 565-569	44
2144	Drug analysis by capillary electrophoretic methods. 1998 , 12, 126-7	16
2143	Solid phase microextraction combined with HPLC for determination of metal ions using crown ether as selective extracting reagent. 1998 , 10, 167-173	34

2142	Determination of five benzodiazepines in aqueous solution and biological fluids using solid-phase microextraction with carbowax TM /DVB fiber coating. 1998 , 10, 193-201	37
2141	Analysis of estrogens and anabolic steroids by SPME with on-fiber derivatization and GC/MS. 1998 , 10, 551-556	36
2140	Methods for determining the vapour pressure of active ingredients used in crop protection. Part V: Thermogravimetry combined with solid phase microextraction (SPME). 1998 , 53, 300-310	13
2139	Determination of tobacco alkaloids using solid phase microextraction and GC-NPD. 1998 , 47, 443-448	32
2138	Analysis of cyanide in blood by headspace solid-phase microextraction (SPME) and capillary gas chromatography. 1998 , 47, 209-214	39
2137	Direct solid-phase microextraction combined with gas and liquid chromatography for the determination of lidocaine in human urine. 1998 , 47, 678-684	38
2136	Quantitative Analysis of aliphatic aldehydes by headspace SPME sampling and ion-trap GC-MS. 1998 , 48, 127-132	16
2135	Rapid SPME/LC/MS/MS analysis of N-methylcarbamate pesticides in water. 1998 , 35, 1-7	30
2134	Fast screening method for the profile analysis of polycyclic aromatic hydrocarbon metabolites in urine using derivatisation--solid-phase microextraction. 1998 , 705, 132-8	62
2133	Determination of amphetamine and methamphetamine in human hair by headspace solid-phase microextraction and gas chromatography with nitrogen-phosphorus detection. 1998 , 707, 99-104	56
2132	Simple analysis of local anaesthetics in human blood using headspace solid-phase microextraction and gas chromatography-mass spectrometry-electron impact ionization selected ion monitoring. 1998 , 709, 225-32	56
2131	Urinary organic acid screening by solid-phase microextraction of the methyl esters. 1998 , 713, 427-32	25
2130	Headspace solid-phase microextraction and gas chromatographic determination of dinitroaniline herbicides in human blood, urine and environmental water. 1998 , 714, 205-13	59
2129	Solid phase micro extraction coupled with semi-microcolumn high performance liquid chromatography for the analysis of benzodiazepines in human urine. 1998 , 17, 1081-91	77
2128	Residual solvents determination in pharmaceutical products by GC-HS and GC-MS-SPME. 1998 , 18, 623-38	46
2127	Analysis of volatile fruit components by headspace solid-phase microextraction. 1998 , 63, 281-286	106
2126	Comparison of catechins and aromas among different green teas using HPLC/SPME-GC. 1998 , 31, 729-736	39
2125	Acute toxicity of polar narcotics to three aquatic species (<i>Daphnia magna</i> , <i>poecilia reticulata</i> and <i>Lymnaea stagnalis</i>) and its relation to hydrophobicity. 1998 , 37, 633-650	28

2124	Selective Cleavage of the Nitro Group from a Nitrophenyl Monolayer by Synchrotron Soft X-ray 1998 , 14, 5673-5675		24
2123	Solid-Phase Microextraction in Headspace Analysis. Dynamics in Non-Steady-State Mass Transfer. <i>Analytical Chemistry</i> , 1998 , 70, 4822-4826	7.8	49
2122	Solid-phase microextraction with temperature-programmed desorption for the analysis of iodination disinfection byproducts. <i>Analytical Chemistry</i> , 1998 , 70, 638-44	7.8	31
2121	The Application of Solid Phase Microextraction in the Analysis of Organophosphorus Pesticides in a Food Plant. 1998 , 32, 3816-3820		33
2120	Trace Explosives Signatures from World War II Unexploded Undersea Ordnance. 1998 , 32, 1354-1358		100
2119	Using Solid-Phase Microextraction To Determine Partition Coefficients to Humic Acids and Bioavailable Concentrations of Hydrophobic Chemicals. 1998 , 32, 3430-3435		163
2118	Application of SPME/GC-MS To Characterize Metabolites in the Biodesulfurization of Organosulfur Model Compounds in Bitumen 1998 , 32, 421-426		21
2117	Mass spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 647R-716R	7.8	185
2116	Solid-phase microextraction and headspace solid-phase microextraction for the determination of polychlorinated biphenyls in water samples. <i>Analytical Chemistry</i> , 1998 , 70, 2510-5	7.8	88
2115	Optimization of Solid-Phase Microextraction Analysis for Headspace Flavor Compounds of Orange Juice. 1998 , 46, 2744-2747		120
2114	Evaluation of Solid-Phase Microextraction for Analysis of Volatile Metabolites Produced by Staphylococci. 1998 , 46, 228-234		56
2113	Headspace Solid Phase Microextraction for the Analysis of Volatiles in a Meat Product: Dry-Cured Iberian Ham. 1998 , 46, 4688-4694		115
2112	Application of Solid Phase Microextraction and Gas Chromatography/Time-of-Flight Mass Spectrometry for Rapid Analysis of Flavor Volatiles in Tomato and Strawberry Fruits. 1998 , 46, 3721-3726		96
2111	Application of dynamic liquid-phase microextraction to the analysis of chlorobenzenes in water by using a conventional microsyringe. <i>Analytical Chemistry</i> , 1998 , 70, 4610-4	7.8	168
2110	Solid-phase microextraction of monocyclic aromatic amines from biological fluids. <i>Analytical Chemistry</i> , 1998 , 70, 1986-92	7.8	85
2109	Determination of cyanide in whole blood by capillary gas chromatography with cryogenic oven trapping. <i>Analytical Chemistry</i> , 1998 , 70, 4873-6	7.8	147
2108	Determination of Volatile Aroma Compounds of Blaufrankisch Wines Extracted by Solid-Phase Microextraction. 1998 , 36, 505-510		41
2107	Simple analysis of tetracyclic antidepressants in blood using headspace-solid-phase microextraction and GC-MS. 1998 , 22, 396-400		27

2106	Characterization of metabolites in the biotransformation of 2,4,6-trinitrotoluene with anaerobic sludge: role of triaminotoluene. 1998 , 64, 2200-6	99
2105	Extraction of chloroform and methylene chloride in human whole blood and urine by headspace solid phase microextraction (SPME). 1999 , 39, 332-6	9
2104	Simple and sensitive analysis of nereistoxin and its metabolites in human serum using headspace solid-phase microextraction and gas chromatography-mass spectrometry. 1999 , 37, 77-82	26
2103	Article. 1999 , 77, 1716-1727	10
2102	Sol-Gel Method for the Preparation of Solid-Phase Microextraction Fibers. 1999 , 32, 1675-1681	7
2101	Determination of polycyclic aromatic hydrocarbons in sea water using solid-phase microextraction. 1999 , 56, 689-701	2
2100	Improved extraction of thinner components from human body fluids by headspace solid-phase microextraction with a Carboxen/polydimethylsiloxane-coated fiber. 1999 , 1, 231-7	4
2099	Quantitative determination of trimethylamine in urine by solid-phase microextraction and gas chromatography-mass spectrometry. 1999 , 723, 281-5	71
2098	Headspace solid-phase microextraction with 1-pyrenyldiazomethane in-fibre derivatisation for analysis of faecal short-chain fatty acids. 1999 , 730, 113-22	38
2097	Automated in-tube solid-phase microextraction-liquid chromatography-electrospray ionization mass spectrometry for the determination of ranitidine. 1999 , 731, 353-9	69
2096	Analysis of methanol or formic acid in body fluids by headspace solid-phase microextraction and capillary gas chromatography. 1999 , 734, 155-62	37
2095	Solid-phase microextraction. 1999 , 18, 272-282	324
2094	Simple analysis of arylamide herbicides in serum using headspace-solid phase microextraction and GC/MS. 1999 , 103, 217-226	16
2093	Capillary electrophoresis as a versatile tool for the bioanalysis of drugs--a review. 1999 , 20, 831-63	75
2092	Chemical and morphological changes of environmentally degradable polyethylene films exposed to thermo-oxidation. 1999 , 63, 127-138	161
2091	Validation of a solid-phase microextraction method for the determination of organophosphorus pesticides in fruits and fruit juice. 1999 , 833, 35-42	124
2090	Extraction of methylxanthines from human body fluids by solid-phase microextraction. 1999 , 387, 53-60	37
2089	Determination of polynuclear aromatic hydrocarbons in human blood serum by proteolytic digestion Direct immersion SPME. 1999 , 396, 303-308	35

2088	Determination of hydroxyaromatic compounds in water by solid-phase microextraction coupled to high-performance liquid chromatography. 1999 , 835, 127-35	23
2087	Headspace sampling with capillary columns. 1999 , 842, 163-205	135
2086	Solid-phase microextraction of the antifouling Irgarol 1051 and the fungicides dichlofluanid and 4-chloro-3-methylphenol in water samples. 1999 , 839, 253-60	46
2085	On-line combination of aqueous-sample preparation and capillary gas chromatography. 1999 , 842, 391-426	39
2084	Trace determination of diethylphthalate in aqueous media by solid-phase microextraction-liquid chromatography. 1999 , 841, 177-185	66
2083	Solid-phase microextraction for the determination of iodinated trihalomethanes in drinking water. 1999 , 841, 197-206	35
2082	Influence of extraction parameters and medium on efficiency of solid-phase microextraction sampling in analysis of aliphatic aldehydes. 1999 , 845, 337-347	26
2081	Optimization of solid-phase microextraction conditions using a response surface methodology to determine organochlorine pesticides in water by gas chromatography and electron-capture detection. 1999 , 844, 425-32	44
2080	On-line combination of aqueous-sample preparation and capillary gas chromatography. 1999 , 856, 279-314	52
2079	Pheromone analysis using capillary gas chromatographic techniques. 1999 , 843, 199-236	30
2078	Evaluation of solid-phase microextraction for sampling of volatile organic sulfur compounds in air for subsequent gas chromatographic analysis with atomic emission detection. 1999 , 848, 305-315	67
2077	Trace analysis of pesticides by gas chromatography. 1999 , 843, 301-22	183
2076	Chemical characterization and screening of hydrocarbon pollution in industrial soils by headspace solid-phase microextraction. 1999 , 848, 279-95	37
2075	Rapid quantification of hexachlorobenzene in the color additives D&C Red Nos. 27 and 28 (phloxine B) using solid-phase microextraction and gas chromatography-mass spectrometry. 1999 , 863, 37-46	12
2074	Biomonitoring of benzene and toluene in human blood by headspace-solid-phase microextraction. 1999 , 363, 88-91	20
2073	Analysis of volatile varnishes of coated wires by SPME. 1999 , 364, 641-642	3
2072	A new concept for the measurement of total volatile compounds of food. 1999 , 208, 254-258	10
2071	Efficiency of direct solid-phase microextraction from water-comparison of different fibre types including a new C8-coating. 1999 , 49, 686-690	18

2070	Improved extraction of glycol ethers from water by solid-phase micro extraction by carboxen polydimethylsiloxane-coated fiber. 1999 , 50, 155-159	13
2069	Solid-phase microextraction/capillary gas chromatography for the profiling of confiscated ecstasy and amphetamine. 1999 , 50, 247-252	32
2068	Development of In-tube solid-phase microextraction/Liquid chromatography/electrospray ionization mass spectrometry for the analysis of mutagenic heterocyclic amines. 1999 , 50, 532-538	62
2067	Principal component analysis of measured quantities during degradation of hydroperoxides in oxidized vegetable oils. 1999 , 34, 83-92	24
2066	Monitoring of Polycyclic Aromatic Hydrocarbons in Water Using Headspace Solid-Phase Microextraction and Capillary Gas Chromatography. 1999 , 63, 276-284	62
2065	Comparative Study and Partial Characterization of Azorean Green Tea Polyphenols. 1999 , 12, 273-287	19
2064	Solid-phase Microextraction of Volatile Polar Compounds in Water. 1999 , 22, 109-115	13
2063	Selective Determination of Se ⁴⁺ and Se ⁶⁺ Using SPME and GC/MS. 1999 , 22, 414-416	19
2062	Total p-Chlorophenol Determination in Urine Samples of Subjects Exposed to Chlorobenzene, Using SPME and GC-MS. 1999 , 22, 427-428	7
2061	Total p-Nitrophenol Determination in Urine Samples of Subjects Exposed to Parathion and Methyl-Parathion by SPME and GC/MS. 1999 , 22, 628-630	19
2060	Rapid analysis of tetracycline antibiotics by combined solid phase microextraction/high performance liquid chromatography/mass spectrometry. 1999 , 13, 1744-54	39
2059	Solid-phase microextraction gas chromatography/mass spectrometric analysis of volatile organic compounds in water. 1999 , 13, 2133-9	23
2058	Determination by solid-phase microextraction/gas chromatography/mass spectrometry of polycyclic aromatic hydrocarbons in bitumen fumes during road paving. 1999 , 34, 1383-4	8
2057	Stir bar sorptive extraction (SBSE), a novel extraction technique for aqueous samples: Theory and principles. 1999 , 11, 737-747	1099
2056	Headspace solid-phase microextraction for the determination of polychlorinated biphenyls in soils and sediments. 1999 , 11, 397-402	24
2055	Similarities in the aroma chemistry of Gewürztraminer variety wines and lychee (Litchi chinensis sonn.) fruit. 1999 , 47, 665-70	149
2054	Chapter 5 Preconcentration of environmental samples. 1999 , 185-215	0
2053	A systematic approach to optimize solid-phase microextraction. Determination of pesticides in ethanol/water mixtures used as food simulants. <i>Analytical Chemistry</i> , 1999 , 71, 2417-22	7.8 47

2052	SPME-MS-MVA as an electronic nose for the study of off-flavors in milk. 1999 , 47, 648-54		192
2051	Cuticular hydrocarbons correlated with reproductive status in a queenless ant. 1999 , 266, 1323-1327		147
2050	Solid-Phase Microextraction Coupled with High-Performance Liquid Chromatography for the Determination of Aromatic Amines. <i>Analytical Chemistry</i> , 1999 , 71, 310-318	7.8	67
2049	GC Trace Analysis of Haloethers in Water [Comparison of Different Extraction Techniques. 1999 , 73, 31-41		2
2048	Comparison of solid-phase microextraction and dynamic headspace methods for the gas chromatographic-mass spectrometric analysis of light-induced lipid oxidation products in milk. 1999 , 37, 17-23		125
2047	Application of headspace solid-phase microextraction to volatile flavour profile development during storage and ripening of kiwifruit. 1999 , 32, 175-183		56
2046	Coffee geographic origin an aid to coffee differentiation. 1999 , 32, 565-573		49
2045	Molecular and isotopic analysis of oils by solid phase microextraction of gasoline range hydrocarbons. 1999 , 30, 721-737		39
2044	Determination of polychlorinated biphenyls in human blood serum by SPME. 1999 , 39, 905-12		21
2043	Solvent Microextraction with Simultaneous Back-Extraction for Sample Cleanup and Preconcentration: Preconcentration into a Single Microdrop. <i>Analytical Chemistry</i> , 1999 , 71, 388-393	7.8	188
2042	Application of direct electrospray probe to analyze biological compounds and to couple to solid-phase microextraction to detect trace surfactants in aqueous solution. <i>Analytical Chemistry</i> , 1999 , 71, 4413-7	7.8	78
2041	Monitoring toasting intensity of barrels by chromatographic analysis of volatile compounds from toasted oak wood. 1999 , 47, 4310-8		83
2040	Solid-phase microextraction and GC-ECD of benzophenones for detection of benzodiazepines in urine. 1999 , 23, 54-61		29
2039	Automated in-tube solid-phase microextraction coupled with liquid chromatography/electrospray ionization mass spectrometry for the determination of beta-blockers and metabolites in urine and serum samples. <i>Analytical Chemistry</i> , 1999 , 71, 4237-44	7.8	162
2038	Analysis of diacetyl in wine using solid-phase microextraction combined with gas chromatography-mass spectrometry. 1999 , 47, 612-7		70
2037	Solid-Matrix Fluorescence and Phosphorescence and Solid-Phase Microextraction of Polycyclic Aromatic Hydrocarbons with Hydrophobic Paper. 1999 , 53, 770-775		23
2036	Bioavailability, biodegradation, and acclimation of <i>Tetrahymena pyriformis</i> to 1-octanol. 1999 , 44, 86-91		5
2035	Variables controlling the recovery of ignitable liquid residues from simulated fire debris samples using solid-phase microextraction/gas chromatography. 1999 ,		9

2034	Effect of Surfactant Loading on the Extraction Properties of C-18 Bonded Silica used for Solid-Phase Extraction of Phenols. 1999 , 32, 3083-3110	9
2033	Solid Phase Microextraction Theory. 1999 , 1-26	11
2032	APPLICATION OF A NEW CONCEPT FOR THE EVALUATION OF THE QUALITY OF FRUITS. 1999 , 266-270	
2031	Volatile Compounds in Fresh and Processed Shiitake Mushrooms(<i>Lentinus edodes</i> Sing.).. 2000 , 6, 166-170	44
2030	Determination of Butyltin Compounds in Aqueous Samples by Gas Chromatography with Flame Photometric Detector and Headspace Solid-Phase Microextraction after in-situ Hydride Derivatization.. 2000 , 16, 585-588	17
2029	Microwave-Assisted Techniques for Sample Preparation in Organic Environmental Analysis. 2000 ,	
2028	A simple method for detecting plasma propofol. 2000 , 90, 1452-4	10
2027	Determination of phenols in soils by in situ acetylation headspace solid-phase microextraction. 2000 , 12, 25-32	31
2026	On-line coupling of in-tube solid phase microextraction (SPME) to HPLC for analysis of carbamates in water samples: Comparison of two commercially available autosamplers. 2000 , 12, 125-134	43
2025	Rapid determination of trace nitrophenolic organics in water by combining solid-phase extraction with surface-assisted laser desorption/ionization time-of-flight mass spectrometry. 2000 , 14, 86-90	35
2024	Analysis of brandy aroma by solid-phase microextraction and liquid-liquid extraction. 2000 , 80, 625-630	78
2023	Determination of phenothiazines in human body fluids by solid-phase microextraction and liquid chromatography/tandem mass spectrometry. 2000 , 35, 1091-9	63
2022	Sensitivity enhancement for nitrophenols using cationic surfactant-modified activated carbon for solid-phase extraction surface-assisted laser desorption/ionization mass spectrometry. 2000 , 14, 2300-4	19
2021	Solid-Phase Microextraction of Pyrethroid Pesticides from Water at Low and Sub-ppt Levels at Different Temperatures. 2000 , 23, 485-488	14
2020	Considerations on Static and Dynamic Sorptive and Adsorptive Sampling to Monitor Volatiles Emitted by Living Plants. 2000 , 23, 547-553	28
2019	Fast field sampling/sample preparation and quantification of volatile organic compounds in indoor air by solid-phase microextraction and portable gas chromatography. 2000 , 4, 73-84	69
2018	High capacity headspace sorptive extraction. 2000 , 12, 577-584	114
2017	Development of automated in-tube SPME/LC/MS method for drug analysis. 2000 , 12, 493-500	48

2016	Bioaccumulation tests applied in whole effluent assessment: A review. 2000 , 19, 25-35	22
2015	Solid-phase extraction of phenols. 2000 , 885, 291-304	266
2014	Solid-phase microextraction in pesticide residue analysis. 2000 , 885, 389-404	243
2013	Multiple solid-phase microextraction. 2000 , 878, 27-33	16
2012	Solid-phase micro-extraction of drugs from biological matrices. 2000 , 885, 445-55	118
2011	Influence of fibre coating in headspace solid-phase microextraction-gas chromatographic analysis of aromatic and medicinal plants. 2000 , 892, 469-85	144
2010	Applications of solid-phase microextraction in food analysis. 2000 , 880, 35-62	850
2009	Recent developments in polymer-based sorbents for solid-phase extraction. 2000 , 885, 51-72	246
2008	Application of solid-phase microextraction to the recovery of explosives and ignitable liquid residues from forensic specimens. 2000 , 885, 419-32	85
2007	Solid-phase microextraction: a promising technique for sample preparation in environmental analysis. 2000 , 889, 3-14	375
2006	Evolution of solid-phase microextraction technology. 2000 , 885, 153-93	648
2005	Monitoring organochlorine pesticides from landfill leachates by gas chromatography-electron-capture detection after solid-phase microextraction. 2000 , 891, 305-11	15
2004	Determination of aqueous chlorothalonil with solid-phase microextraction and gas chromatography. 2000 , 896, 105-10	13
2003	Solid-phase microextraction for the determination of systemic and non-volatile pesticides in river water using gas chromatography with nitrogen-phosphorous and electron-capture detection. 2000 , 893, 347-58	38
2002	Determination of fungicides in natural waters using solid-phase microextraction and gas chromatography coupled with electron-capture and mass spectrometric detection. 2000 , 893, 143-56	66
2001	Headspace solid-phase microextraction procedures for gas chromatographic analysis of biological fluids and materials. 2000 , 902, 267-87	189
2000	Solid-phase trapping of solutes for further chromatographic or electrophoretic analysis. 2000 , 902, 137-66	70
1999	Microextraction of drugs. 2000 , 902, 17-63	373

1998	SnifProbe: new method and device for vapor and gas sampling. 2000 , 903, 155-72	51
1997	Optimization of solid-phase microextraction for the gas chromatographic-mass spectrometric determination of synthetic musk fragrances in water samples. 2000 , 903, 203-10	37
1996	Solid-phase microextraction in biomedical analysis. 2000 , 902, 167-94	289
1995	Application of solid-phase microextraction-gas chromatography-mass spectrometry to characterize intermediates in a joint solar-microbial process for total mineralization of Aroclor 1254. 2000 , 873, 53-61	8
1994	Analysis of biogenic amines by solid-phase microextraction and high-performance liquid chromatography with electrochemical detection. 2000 , 870, 395-403	19
1993	Automated in-tube solid-phase microextraction-high-performance liquid chromatography for carbamate pesticide analysis. 2000 , 873, 137-47	127
1992	Application of solid-phase microextraction for determination of organic vapours in gaseous matrices. 2000 , 885, 405-18	77
1991	Determination of triazines in soil leachates by solid-phase microextraction coupled to gas chromatography-mass spectrometry. 2000 , 874, 247-55	79
1990	Screening of Brazilian fruit aromas using solid-phase microextraction-gas chromatography-mass spectrometry. 2000 , 873, 117-27	110
1989	Static headspace, solid-phase microextraction and headspace solid-phase microextraction for BTEX determination in aqueous samples by gas chromatography. 2000 , 415, 9-20	118
1988	Analytical method for monitoring airborne trimethylamine using solid phase micro-extraction and gas chromatography-flame ionization detection. 2000 , 419, 73-79	35
1987	Speciation analysis of butyltin compounds in Chinese seawater by capillary gas chromatography with flame photometric detection using in-situ hydride derivatization followed by headspace solid-phase microextraction. 2000 , 421, 67-74	29
1986	Rapid detection of tetramethylenedisulfotetramine in human blood by solid-phase microextraction/gas chromatography. 2000 , 404, 329-334	16
1985	A comparison of solid-phase microextraction (SPME) fibres for measurement of hexanal and pentanal in cooked turkey. 2000 , 68, 339-345	142
1984	Separation methods for amino group-possessing pesticides in biological samples. 2000 , 747, 241-54	25
1983	High-temperature solid-phase microextraction procedure for the detection of drugs by gas chromatography-mass spectrometry. 2000 , 745, 399-411	48
1982	Determination of lidocaine in plasma by direct solid-phase microextraction combined with gas chromatography. 2000 , 739, 175-82	70
1981	Simple and simultaneous analysis of fenfluramine, amphetamine and methamphetamine in whole blood by gas chromatography-mass spectrometry after headspace-solid phase microextraction and derivatization. 2000 , 109, 215-23	56

1980	Headspace SPME method development for the analysis of volatile polar residual solvents by GC-MS. 2000 , 23, 197-210	48
1979	Statistical evaluation of aroma and metal content in Tokay wines. 2000 , 67, 91-96	21
1978	Solid-phase microextraction for the analysis of biological samples. 2000 , 745, 49-82	169
1977	Validation of negligible depletion solid-phase microextraction as a tool to determine tissue/blood partition coefficients for semivolatile and nonvolatile organic chemicals. 2000 , 166, 138-44	27
1976	Simultaneous determination of cyanogen chloride and cyanogen bromide in treated water at sub-microg/L levels by a new solid-phase microextraction-gas chromatographic-electron-capture detection method. 2000 , 897, 307-15	14
1975	Determination of organophosphorus insecticides in natural waters using SPE-disks and SPME followed by GC/FTD and GC/MS. 2000 , 368, 616-23	43
1974	Surface characterization of commercial fibers for solid-phase microextraction and related problems in their application. 2000 , 366, 329-31	50
1973	Determination of triazine herbicides in human body fluids by solid-phase microextraction and capillary gas chromatography. 2000 , 52, 195-199	16
1972	Solid-phase microextraction coupled with microcolumn liquid chromatography for the analysis of amitriptyline in human urine. 2000 , 52, 309-313	46
1971	Extraction of trace organic pollutants from aqueous samples by a single drop method. 2000 , 51, S279-S282	23
1970	Determination of Se ⁴⁺ in Drinkable Water by Solid-Phase Microextraction and Gas Chromatography/Mass Spectrometry. 2000 , 83, 1082-1086	20
1969	Tetrachloroethylene and trichloroethylene fatality: case report and simple headspace SPME-capillary gas chromatographic determination in tissues. 2000 , 24, 22-6	34
1968	Chapter 18 The chemical analysis of fire debris for potential accelerants. 2000 , 2, 617-678	3
1967	Are variations in cuticular hydrocarbons of queens and workers a reliable signal of fertility in the ant <i>Harpegnathos saltator</i> ?. 2000 , 97, 4124-31	228
1966	Chapter 3 Amphetamines. 2000 , 107-141	
1965	The Simplest Sample Treatment Techniques to Assess the Quality and Safety of Food Packaging Materials. 2000 , 19,	10
1964	Emission of Volatiles From Brown Boronia Flowers: Some Comparative Observations. 2000 , 86, 347-354	33
1963	Simple and rapid determination of amphetamine, methamphetamine, and their methylenedioxy derivatives in urine by automated in-tube solid-phase microextraction coupled with liquid chromatography-electrospray ionization mass spectrometry. 2000 , 24, 257-65	84

1962	Bioavailability in soil or sediment: exposure of different organisms and approaches to study it. 2000 , 108, 113-9		97
1961	Analysis of organophosphorus pesticides in water samples using a continuous membrane permeation extractor. 2000 , 4, 225-231		2
1960	Chemical Composition of the Essential Oil and Headspace Solid-Phase Microextraction of the Guava Fruit (<i>Psidium guajava</i> L.). 2000 , 12, 153-158		38
1959	Headspace solid-phase microextraction use for the characterization of volatile compounds in vegetable oils of different sensory quality. 2000 , 48, 2360-7		176
1958	Comments on "adsorption versus absorption of polychlorinated biphenyls onto solid-phase microextraction coatings". <i>Analytical Chemistry</i> , 2000 , 72, 639-43	7.8	18
1957	Influence of pH and Other Modifying Factors on the Distribution Behavior of 4-Quinolones to Solid Phases and Humic Acids Studied by Negligible-Depletion-SPME-PLC. 2000 , 34, 4989-4994		85
1956	The use of solid-phase microextraction--gas chromatography in forensic analysis. 2000 , 38, 297-306		58
1955	Absorption of hydrophobic compounds into the poly(dimethylsiloxane) coating of solid-phase microextraction fibers: high partition coefficients and fluorescence microscopy images. <i>Analytical Chemistry</i> , 2000 , 72, 459-64	7.8	162
1954	Pesticide residue analysis by off-line SPE and on-line reversed-phase LC-GC using the through-oven-transfer adsorption/desorption interface. <i>Analytical Chemistry</i> , 2000 , 72, 846-52	7.8	50
1953	Development of a hollow waveguide sampler for detection of chlorinated aromatic compounds in soils. <i>Analytical Chemistry</i> , 2000 , 72, 878-84	7.8	18
1952	The Use of SPME and GC-MS for the Chemical Characterisation and Assessment of PAH Pollution in Aqueous Environmental Samples. 2000 , 78, 205-221		11
1951	Nonequilibrium solid-phase microextraction for determination of the freely dissolved concentration of hydrophobic organic compounds: matrix effects and limitations. <i>Analytical Chemistry</i> , 2000 , 72, 2802-8	7.8	108
1950	Determination of Compound-Specific Carbon Isotope Ratios of Chlorinated Methanes, Ethanes, and Ethenes in Aqueous Samples. 2000 , 34, 2839-2844		105
1949	High-pressure ion source combined with an in-axis ion trap mass spectrometer. 1. Instrumentation and applications. <i>Analytical Chemistry</i> , 2000 , 72, 5055-62	7.8	26
1948	Polyacrylate-Coated SPME Fibers as a Tool To Simulate Body Residues and Target Concentrations of Complex Organic Mixtures for Estimation of Baseline Toxicity. 2000 , 34, 324-331		68
1947	Determination of Herbicides in Natural Waters Using Solid Phase Microextraction (SPME) and Gas Chromatography Coupled with Flame Thermionic and Mass Spectrometric Detection. 2000 , 78, 223-240		6
1946	Evaluation of solid-phase microextraction for the isotopic analysis of volatile compounds produced during fermentation by lactic acid bacteria. 2000 , 48, 2222-7		29
1945	Volatile compounds produced from monosodium glutamate in common food cooking. 2000 , 48, 2438-42		8

1944 Microwave Techniques. **2000**,

1943 Determination of tetraethyllead by solid phase microextraction-thermal desorption-quartz furnace atomic absorption spectrometry. **2000**, 15, 705-709 15

1942 Use of solid-phase microextraction for the quantitative determination of herbicides in soil and water samples. *Analytical Chemistry*, **2000**, 72, 2313-22 7.8 151

1941 Mass spectrometry of polymers and polymer surfaces. **2001**, 101, 527-69 410

1940 Flavor-protein binding: disulfide interchange reactions between ovalbumin and volatile disulfides. **2001**, 49, 4333-6 30

1939 New device for direct extraction of volatiles in solid samples using SPME. **2001**, 49, 5115-21 47

1938 Environmental analysis. *Analytical Chemistry*, **2001**, 73, 2761-90 7.8 60

1937 Fibers coated with molecularly imprinted polymers for solid-phase microextraction. *Analytical Chemistry*, **2001**, 73, 3140-5 7.8 210

1936 Degradation of monoterpenes in orange juice by gamma radiation. **2001**, 49, 2422-6 27

1935 Headspace Analysis of Foods and Flavors. **2001**, 18

1934 Comparison of SPME/Transmission IR and SPME/ATR-IR Spectroscopic Methods in Detection of Chloroanilines in Aqueous Solutions. **2001**, 55, 919-926 4

1933 ANALYTICAL CHEMISTRY: UNLOCKING THE SECRETS OF WINE FLAVOR. **2001**, 17, 45-64 154

1932 Occurrence of butyltin compounds in the waters of selected lakes, rivers and coastal environments from China. **2001**, 115, 81-7 93

1931 Comparison of polyphenols and aroma in red wines from Portuguese mainland versus Azores Islands. **2001**, 34, 345-355 39

1930 Measurement of insecticide uptake and effective fraction in a beneficial insect using solid-phase microextraction. *Analytical Chemistry*, **2001**, 73, 3107-11 7.8 6

1929 Determination of polychlorinated biphenyls in milk samples by saponification-solid-phase microextraction. *Analytical Chemistry*, **2001**, 73, 5858-65 7.8 34

1928 New analytical techniques in food science. **2001**, 41, 413-50 80

1927 Solid-phase microextraction (SPME) technique for measurement of generation of fresh cucumber flavor compounds. **2001**, 49, 4203-7 32

1926	Headspace solid phase microextraction (SPME) analysis of flavor compounds in wines. Effect of the matrix volatile composition in the relative response factors in a wine model. 2001 , 49, 5142-51		113
1925	Micro-SPE method for sample introduction in capillary HPLC/MS. <i>Analytical Chemistry</i> , 2001 , 73, 298-302	7.8	21
1924	Monitoring biogenic volatile compounds emitted by <i>Eucalyptus citriodora</i> using SPME. <i>Analytical Chemistry</i> , 2001 , 73, 4729-35	7.8	67
1923	Stir bar sorptive extraction for the determination of ppq-level traces of organotin compounds in environmental samples with thermal desorption-capillary gas chromatography-ICP mass spectrometry. <i>Analytical Chemistry</i> , 2001 , 73, 1509-14	7.8	139
1922	Application of Solid Phase Microextraction (SPME) Technique for the Detection of Carbofuran in Serum. 2001 , 34, 23-26		
1921	DETERMINATION OF 1,2,4- AND 1,3,5-TRICHLOROBENZENES IN WATER SAMPLES BY SOLID-PHASE EXTRACTION AND GAS-CHROMATOGRAPHY COUPLED TO ELECTRON CAPTURE. 2001 , 34, 1003-1013		4
1920	Changes in the aroma of a strawberry drink during storage. 2001 , 49, 3244-52		23
1919	. 2001 ,		28
1918	Multidimensional Chromatography: Biomedical and Pharmaceutical Applications. 251-307		1
1917	Aroma Retention during Freeze-Drying of Strawberries as Determined by SPME. 2001 ,		
1916	A Comparison of sampling methods for the characterization odorous compounds in livestock facilities using gas chromatography - mass spectrometry.. 2001 ,		1
1915	Modern Methods for Isolating and Quantifying Volatile Flavor and Fragrance Compounds. 2001 ,		1
1914	Development of a solid-phase microextraction/reflection-absorption infrared spectroscopic method for the detection of chlorinated aromatic amines in aqueous solutions. 2001 , 17, 751-6		15
1913	Analytical Chemistry for Advanced Technologies. Miniaturized analytical system using fibrous packing media.. 2001 , 50, 775-783		11
1912	Comparison of two SPME fibers for differentiation of coffee by analysis of volatile compounds. 2001 , 54, 647-652		20
1911	A SPME-GC-MS approach for antivarroa and pesticide residues analysis in honey. 2001 , 54, 241-246		20
1910	Gas chromatographic determination of selected pesticides in human serum by head-space solid-phase microextraction. 2001 , 54, 757-763		18
1909	Determination of tebufenpyrad and oxadiazon by solid-phase microextraction and gas chromatography-mass spectrometry. 2001 , 54, 377-382		9

1908	Analyses of pesticides and their metabolites in foods and drinks. 2001 , 20, 649-661	188
1907	Determination of cyclopiazonic acid in cheese samples using solid-phase microextraction and high performance liquid chromatography. 2001 , 75, 249-254	44
1906	Susceptibility of PharmChek drugs of abuse patch to environmental contamination. 2001 , 116, 89-106	52
1905	Determination of methylcyclopentadienyl-manganese tricarbonyl by solid phase microextraction-direct thermal desorption-quartz furnace atomic absorption spectrometry. 2001 , 56, 215-222	10
1904	Identification of a pharmaceutical packaging off-odor using solid phase microextraction gas chromatography/mass spectrometry. 2001 , 25, 379-86	22
1903	The use of solid-phase microextraction/gas chromatography-mass spectrometry for the determination of degradation products of volatile and semivolatile compounds. 2001 , 13, 1-7	18
1902	Optimization of solid phase microextraction analysis of aroma compounds in a Portuguese muscatel wine must. 2001 , 13, 236-242	21
1901	Determination of microcystins in cyanobacterial blooms by solid-phase microextraction-high-performance liquid chromatography. 2001 , 20, 1648-1655	27
1900	Quantitative analysis of terpenoids in the gas phase using headspace solid-phase microextraction (HS-SPME). 2001 , 16, 411-416	24
1899	Sample preparation with fiber-in-tube solid-phase microextraction for capillary electrophoretic separation of tricyclic antidepressant drugs in human urine. 2001 , 22, 3785-90	132
1898	On-fiber derivatization for direct immersion solid-phase microextraction Part I: Acylation of amphetamine with pentafluorobenzoyl chloride. 2001 , 24, 116-122	10
1897	Determination of 2-methylisoborneol and geosmin in water by gas chromatography-mass spectrometry using stir bar sorptive extraction. 2001 , 24, 674-677	56
1896	Solid phase microextraction associated with microwave assisted extraction of organochlorine pesticides in medicinal plants. 2001 , 428, 111-120	92
1895	Partition coefficients of pyrene to lake aquatic humic matter determined by fluorescence quenching and solubility enhancement. 2001 , 429, 65-73	27
1894	Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction. 2001 , 433, 217-226	77
1893	Solid-phase microextraction of hop volatiles. Potential use for determination and verification of hop varieties. 2001 , 918, 159-67	67
1892	Determination of organochlorine pesticides and their metabolites in soil samples using headspace solid-phase microextraction. 2001 , 918, 177-88	121
1891	Determination of fipronil by solid-phase microextraction and gas chromatography-mass spectrometry. 2001 , 919, 215-21	46

1890	Polydimethylsiloxane solid-phase microextraction-gas chromatography method for the analysis of volatile compounds in wines. Its application to the characterization of varietal wines. 2001 , 922, 267-75	74
1889	Application of the polysilicone fullerene coating for solid-phase microextraction in the determination of semi-volatile compounds. 2001 , 927, 121-30	56
1888	Stir bar sorptive extraction applied to the determination of dicarboximide fungicides in wine. 2001 , 928, 117-26	130
1887	Automated dynamic sampling system for the on-line monitoring of biogenic emissions from living organisms. 2001 , 930, 39-51	27
1886	Comparison of simultaneous distillation extraction and solid-phase microextraction for the determination of volatile flavor components. 2001 , 930, 1-7	65
1885	Headspace solid-phase microextraction—a tool for new insights into the long-term thermo-oxidation mechanism of polyamide 6.6. 2001 , 932, 1-11	66
1884	Solid-phase microextraction of monocyclic aromatic amines using novel fibers coated with crown ether. 2001 , 934, 51-7	92
1883	Solid-phase microextraction method for the determination of atrazine and four organophosphorus pesticides in soil samples by gas chromatography. 2001 , 939, 13-21	111
1882	Solid-phase microextraction versus single-drop microextraction for the analysis of nitroaromatic explosives in water samples. 2001 , 938, 113-20	146
1881	Headspace solid-phase microextraction profiling of volatile compounds in urine: application to metabolic investigations. 2001 , 753, 259-68	99
1880	Sex, age and ovarian activity affect cuticular hydrocarbons in <i>Diacamma ceylonense</i> , a queenless ant. 2001 , 47, 485-493	142
1879	Measurement of octanol/water partition coefficients using solid-phase microextraction (SPME)—application to hydroxy alkyl nitrates. 2001 , 35, 5843-5854	19
1878	Demonstration of 2-unsaturated C19-steroids in the urine of female Asian elephants, <i>Elephas maximus</i> , and their dependence on ovarian activity. 2001 , 121, 475-84	17
1877	Source and cyclic release pattern of (Z)-7-dodecenyl acetate, the pre-ovulatory pheromone of the female Asian elephant. 2001 , 26, 611-23	35
1876	Application of solid-phase micro-extraction technology to drug screening and identification. 2001 , 38, 541-7	13
1875	Combination of Porous Membrane and FT-IR Spectrometry for Detection of Chlorinated Semivolatile Compounds in Soils. 2001 , 79, 199-216	2
1874	Application of SPME in the Analysis of Polynuclear Aromatic Hydrocarbons in Water by HPLC with DAD Detection. 2001 , 19, 227-239	2
1873	Chapter 13 Solid phase microextraction. 2002 , 389-477	14

1872	Chapter 22 Sample preparation for water analysis. 2002 , 721-778		3
1871	Automation of solid-phase microextraction-gas chromatography-mass spectrometry extraction of eucalyptus volatiles. 2002 , 40, 140-6		19
1870	Sorbent Extraction. 2002 , 65, 341-401		
1869	Automated headspace solid-phase microextraction and in-matrix derivatization for the determination of amphetamine-related drugs in human urine by gas chromatography-mass spectrometry. 2002 , 40, 19-25		43
1868	Solid-phase microextraction of human plasma samples for determination of sufentanil by gas chromatography-mass spectrometry. 2002 , 24, 768-74		22
1867	Miniaturized sample preparation and separation methods for environmental and drug analyses. 2002 , 18, 7-17		59
1866	A new PVC-activated charcoal fiber coated on silver wire; application in determination of n-alkanes in the headspace of soil samples by SPME-GC. 2002 , 18, 77-81		30
1865	Solid sample treatments involving the removal of volatile species. 2002 , 24, 83-178		
1864	Fiber introduction mass spectrometry: fully direct coupling of solid-phase microextraction with mass spectrometry. <i>Analytical Chemistry</i> , 2002 , 74, 5688-92	7.8	26
1863	Helical sorbent for fast sorption and desorption in solid-phase microextraction-gas chromatographic analysis. <i>Analytical Chemistry</i> , 2002 , 74, 5501-6	7.8	20
1862	Theoretical considerations on the use of solid-phase microextraction with complex environmental samples. 2002 , 36, 3385-92		40
1861	Extending the solid-phase microextraction technique to high analyte concentrations: measurements and thermodynamic analysis. <i>Analytical Chemistry</i> , 2002 , 74, 1031-7	7.8	9
1860	African elephant sesquiterpenes. II. Identification and synthesis of new derivatives of 2,3-dihydrofarnesol. 2002 , 65, 1319-22		16
1859	Detection of volatile organometal chloride species in model atmosphere above seawater and sediment. 2002 , 36, 1198-201		31
1858	SPME applied to the study of volatile organic compounds emitted by three species of Eucalyptus in situ. Solid-phase micro extraction. 2002 , 50, 7199-205		37
1857	Improvement of measurement precision of SPME-GC/MS determination of tributyltin using isotope dilution calibration. <i>Analytical Chemistry</i> , 2002 , 74, 5606-13	7.8	41
1856	Hollow fiber-protected liquid-phase microextraction of triazine herbicides. <i>Analytical Chemistry</i> , 2002 , 74, 648-54	7.8	421
1855	Rapid Preconcentration and Enrichment Techniques for the Analysis of Food Volatile. A Review. 2002 , 35, 1-14		96

1854	Solid-phase microextraction in combination with GC/MS for quantification of the major volatile free fatty acids in ewe cheese. <i>Analytical Chemistry</i> , 2002 , 74, 5199-204	7.8	90
1853	Sol-gel capillary microextraction. <i>Analytical Chemistry</i> , 2002 , 74, 752-61	7.8	135
1852	Survey on the presence of butyltin compounds in chinese alcoholic beverages, determined by using headspace solid-phase microextraction coupled with gas chromatography-flame photometric detection. 2002 , 50, 6683-7		33
1851	Chapter 27 New developments in sampling and sample preparation for forensic analysis. 2002 , 37, 919-938		1
1850	Improvement in measurement precision with SPME by use of isotope dilution mass spectrometry and its application to the determination of tributyltin in sediment using SPME GC-ICP-MS. 2002 , 17, 944-949		32
1849	Liquid-phase microextraction combined with hollow fiber as a sample preparation technique prior to gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 2002 , 74, 2486-92	7.8	211
1848	Determination of methylmercury and butyltin compounds in marine biota and sediments using microwave-assisted acid extraction, solid-phase microextraction, and gas chromatography with microwave-induced plasma atomic emission spectrometric detection. <i>Analytical Chemistry</i> , 2002 , 74, 4694-701	7.8	59
1847	Comparison of different methods: static and dynamic headspace and solid-phase microextraction for the measurement of interactions between milk proteins and flavor compounds with an application to emulsions. 2002 , 50, 1497-501		81
1846	Rate Coefficients for the Reactions of Cl Atoms with a Series of C ₃ -C ₁₆ Hydroxyalkyl Nitrates at 296 ± 2 K. 2002 , 106, 5902-5907		5
1845	Adjusted active carbon fibers for solid phase microextraction. 2002 , 37, 489-98		5
1844	Spiking of performance reference compounds in low density polyethylene and silicone passive water samplers. 2002 , 46, 1157-61		208
1843	Temperature dependence of Henry's law constant in an extended temperature range. 2002 , 48, 757-62		35
1842	[Mevalonolactone: a volatile compound produced by <i>Psammotettix alienus</i> (Dhb)]. 2002 , 325, 941-6		
1841	Factors Affecting Multiresidue Determination of Priority Herbicides when Using Solid-Phase Microextraction. 2002 , 85, 486-493		9
1840	Application of solid phase microextraction to evaluate traces of thymol in honey. 2002 , 33, 545-552		3
1839	Rearrangement of p-menthane terpenes by Carboxen during HS-SPME. 2002 , 25, 685-690		22
1838	Solid-phase microextraction gas chromatography/ion trap mass spectrometry and multistage mass spectrometry experiments in the characterization of germacrene D. 2002 , 37, 1229-35		6
1837	Analysis of volatile organic compounds in wastewater during various stages of treatment for high-tech industries. 2002 , 56, 91-98		16

1836	Application of solid-phase micro-extraction and comprehensive two-dimensional gas chromatography (GC/C) for flavour analysis. 2002 , 55, 361-367	41
1835	Multiple solid-phase microextraction of drugs from human urine. 2002 , 55, 69-73	13
1834	Speciation of mercury compounds by gas chromatography with atomic emission detection. Simultaneous optimization of a headspace solid-phase microextraction and derivatization procedure by use of chemometric techniques. 2002 , 56, 733-738	31
1833	Determination of organochlorine pesticides by gas chromatography with solid-phase microextraction. 2002 , 56, 191-197	4
1832	Unknown residual solvents identification in drug products by headspace solid phase microextraction gas chromatography-mass spectrometry. 2002 , 56, S131-S135	10
1831	Fiber-in-tube solid-phase extraction using a polyetheretherketone capillary, and effective on-line coupling with microcolumn liquid chromatography. 2002 , 56, 585-590	18
1830	Modified copper wire as solid-phase microextraction fiber, selective extraction of some amines. 2002 , 56, 611-616	40
1829	Passivsammler für die zeitintegrierte chemische und toxikologische Überwachung des Schadstoffgehaltes in Grund- und Oberflächenwasser. 2002 , 14, 45-51	1
1828	Cryogenic oven-trapping gas chromatography for analysis of volatile organic compounds in body fluids. 2002 , 373, 75-80	18
1827	Automated sample preparation using in-tube solid-phase microextraction and its application -- a review. 2002 , 373, 31-45	250
1826	Supercritical fluid extraction of steroids from biological samples and first experience with solid-phase microextraction-liquid chromatography. 2002 , 770, 83-9	14
1825	Headspace solid-phase microextraction with 1-pyrenyldiazomethane on-fibre derivatisation for analysis of fluoroacetic acid in biological samples. 2002 , 772, 45-51	20
1824	Determination of delorazepam in urine by solid-phase microextraction coupled to high performance liquid chromatography. 2002 , 28, 965-72	15
1823	Developments in single-drop microextraction. 2002 , 21, 54-64	319
1822	Head-space analysis in modern gas chromatography. 2002 , 21, 608-617	208
1821	Solid Phase Microextraction of Volatile Soybean Oil and Corn Oil Compounds. 2002 , 67, 71-76	63
1820	Mellifluous matures to malodorous in musth. 2002 , 415, 975-6	57
1819	Optimisation of headspace solid-phase microextraction for analysis of aromatic compounds in vinegar. 2002 , 953, 7-15	69

1818	Comparison of different coatings in solid-phase microextraction for the determination of organochlorine pesticides in ground water. 2002 , 963, 95-105	31
1817	Application of solid-phase microextraction in the monitoring of priority pesticides in the Kalamas River (N.W. Greece). 2002 , 963, 107-16	72
1816	Methylmercury determination in biological samples by derivatization, solid-phase microextraction and gas chromatography with microwave-induced plasma atomic emission spectrometry. 2002 , 963, 313-23	71
1815	Solid-phase microextraction-high performance liquid chromatography and diode array detection for the determination of mycophenolic acid in cheese. 2002 , 78, 249-254	26
1814	Headspace solid-phase microextraction in combination with gas chromatography and tandem mass spectrometry for the determination of organochlorine and organophosphorus pesticides in whole human blood. 2002 , 769, 65-77	54
1813	Properties and applications of proteins encapsulated within sol-gel derived materials. 2002 , 461, 1-36	445
1812	Solid-phase microextraction-gas chromatographic-mass spectrometric method for the determination of the fungicides cyprodinil and fludioxonil in white wines. 2002 , 942, 41-52	80
1811	Rapid determination of volatile constituents of <i>Michelia alba</i> flowers by gas chromatography-mass spectrometry with solid-phase microextraction. 2002 , 942, 283-8	46
1810	Classification of Nebbiolo-based wines from Piedmont (Italy) by means of solid-phase microextraction-gas chromatography-mass spectrometry of volatile compounds. 2002 , 943, 123-37	63
1809	Determination of aldehydes in drinking water using pentafluorobenzylhydroxylamine derivatization and solid-phase microextraction. 2002 , 943, 1-13	114
1808	Headspace solid-phase microextraction analysis of 3-alkyl-2-methoxypyrazines in wines. 2002 , 953, 1-6	79
1807	Monitoring volatile compounds during dry-cured ham ripening by solid-phase microextraction coupled to a new direct-extraction device. 2002 , 963, 83-8	69
1806	Selective stationary phase for solid-phase microextraction analysis of sarin (GB). 2002 , 954, 217-25	23
1805	Application of solid-phase microextraction combined with gas chromatography-mass spectrometry to the determination of butylated hydroxytoluene in bottled drinking water. 2002 , 963, 179-83	38
1804	Application of stir bar sorptive extraction to the determination of polycyclic aromatic hydrocarbons in aqueous samples. 2002 , 963, 225-30	116
1803	Determination of esters in dry and sweet white wines by headspace solid-phase microextraction and gas chromatography. 2002 , 963, 213-23	70
1802	Solid-phase microextraction and gas chromatography-mass spectrometry for the rapid screening of triazole residues in wine and strawberries. 2002 , 967, 255-60	63
1801	Headspace solid-phase microextraction analysis of aroma compounds in vinegar. Validation study. 2002 , 967, 261-7	56

1800	Application of static and dynamic liquid-phase microextraction in the determination of polycyclic aromatic hydrocarbons. 2002 , 976, 377-85	119
1799	Optimization of solid-phase extraction and solid-phase microextraction for the determination of alpha- and beta-endosulfan in water by gas chromatography-electron-capture detection. 2002 , 976, 293-9	24
1798	Direct determination of chlorophenols in landfill leachates by solid-phase micro-extraction-gas chromatography-mass spectrometry. 2002 , 975, 267-74	130
1797	Hydroxyfullerene as a novel coating for solid-phase microextraction fiber with sol-gel technology. 2002 , 978, 37-48	147
1796	Comparison of different extraction methods for the analysis of fragrances from Lavandula species by gas chromatography-mass spectrometry. 2002 , 982, 31-47	128
1795	Solid-phase extraction in clinical biochemistry. 2002 , 39, 464-77	39
1794	(S)-2,3-dihydrofarnesoic acid, a new component in cephalic glands of male European beeswolves <i>Philanthus triangulum</i> . 2003 , 29, 2469-79	18
1793	Residual solvent testing: a review of gas-chromatographic and alternative techniques. 2003 , 20, 337-44	92
1792	A comparison of alkyl derivatization methods for speciation of mercury based on solid phase microextraction gas chromatography with furnace atomization plasma emission spectrometry detection. 2003 , 18, 902	42
1791	Determination of aliphatic amines using N-succinimidyl benzoate as a new derivatization reagent in gas chromatography combined with solid-phase microextraction. 2003 , 1021, 175-81	57
1790	Sol-gel-coated calix[4]arene fiber for solid-phase microextraction. 2003 , 8, 1153-1155	3
1789	Anodized zinc wire as a solid-phase microextraction fiber. 2003 , 57, 799-804	69
1788	Analysis of the volatile constituents of <i>Apium graveolens</i> L. and <i>Oenanthe</i> L. by gas chromatography-mass spectrometry, using headspace solid-phase microextraction. 2003 , 57, 805-809	19
1787	Determination of perfume oil in household products by headspace solid-phase microextraction and fast capillary gas chromatography. 2003 , 57, S199-S206	8
1786	Application of headspace solid phase microextraction and gas chromatography to the screening of volatile compounds from some Brazilian aromatic plants. 2003 , 57, 351-356	20
1785	Determination of the volatile constituents of Chinese <i>Coriandrum sativum</i> L. by gas chromatography-mass spectrometry with solid-phase microextraction. 2003 , 57, 357-361	14
1784	Development and validation of a solid-phase microextraction method for the analysis of volatile organic compounds in groundwater samples. 2003 , 57, 369-378	23
1783	Coupling solid-phase microextraction to liquid chromatography. A review. 2003 , 375, 73-80	78

1782	Application of stir bar sorptive extraction for wine analysis. 2003 , 375, 948-55	112
1781	Optimization and application of SPME for the gas chromatographic determination of endosulfan and its major metabolites in the ng L(-1) range in aqueous solutions. 2003 , 376, 61-8	14
1780	Application of solid-phase microextraction for the determination of pyrethroid residues in vegetable samples by GC-MS. 2003 , 376, 502-11	73
1779	Volatile Compound analysis of ageing Pinus sylvestris L. (Scots pine) seeds. 2003 , 18, 290-295	14
1778	Emission patterns of wound volatile compounds following injury of ripe strawberry fruit. 2003 , 83, 283-288	24
1777	Production of volatile compounds by hairy root cultures of Cichorium intybus L under the influence of fungal elicitors and their analysis using solid-phase micro extraction gas chromatography-mass spectrometry. 2003 , 83, 769-774	14
1776	A new selective SPME fiber for some n-alkanes and its use for headspace sampling of aqueous samples. 2003 , 26, 802-808	28
1775	Analysis of volatile composition of honey by solid phase microextraction and gas chromatography-mass spectrometry. 2003 , 26, 793-801	72
1774	SPME is a valuable tool for investigation of flower scent. 2003 , 26, 715-721	39
1773	Ultra-rapid non-equilibrium solid-phase microextraction at elevated temperatures and direct coupling to mass spectrometry for the analysis of lidocaine in urine. 2003 , 26, 1563-1568	13
1772	The development of selective and biocompatible coatings for solid phase microextraction. 2003 , 26, 251-260	66
1771	Optimization of headspace sampling using solid-phase microextraction for chloroanisoles in cork stoppers and gas chromatography-trap tandem mass spectrometric analysis. 2003 , 26, 369-375	45
1770	Modified headspace-SPME-GC device for sampling volatile compounds in acidic medium. 2003 , 26, 624-628	3
1769	Reevaluation of headspace solid-phase microextraction and gas chromatography-mass spectrometry for the determination of methyl tert-butyl ether in water samples. 2003 , 1021, 157-64	28
1768	Determination of triazines in soil by microwave-assisted extraction followed by solid-phase microextraction and gas chromatography-mass spectrometry. 2003 , 985, 167-74	84
1767	Comparison of solid-phase microextraction and purge-and-trap methods for the analysis of the volatile fraction of butter. 2003 , 985, 117-25	59
1766	Analysis of virgin olive oil volatile compounds by headspace solid-phase microextraction coupled to gas chromatography with mass spectrometric and flame ionization detection. 2003 , 983, 19-33	193
1765	Application of single-drop microextraction and comparison with solid-phase microextraction and solid-phase extraction for the determination of alpha- and beta-endosulfan in water samples by gas chromatography-electron-capture detection. 2003 , 984, 245-52	109

1764	Solid-phase microextraction from small volumes of sample in a glass capillary. 2003 , 988, 25-32	12
1763	"Cold" solid-phase microextraction method for the determination of volatile halocarbons present in the atmosphere at ultra-trace levels. 2003 , 988, 167-75	25
1762	Development of a quantification method for the analysis of malodorous sulphur compounds in gaseous industrial effluents by solid-phase microextraction and gas chromatography-pulsed flame photometric detection. 2003 , 999, 71-80	52
1761	Simultaneous determination of "earthy-musty" odorous haloanisoles and their corresponding halophenols in water samples using solid-phase microextraction coupled to gas chromatography with electron-capture detection. 2003 , 999, 135-44	41
1760	Optimisation of headspace solid-phase microextraction for the analysis of volatile phenols in wine. 2003 , 995, 11-20	94
1759	Optimisation of a solid-phase microextraction procedure for the determination of triazines in water with gas chromatography-mass spectrometry detection. 2003 , 1007, 127-35	52
1758	Analysis of polychlorinated biphenyls in aqueous samples by microwave-assisted headspace solid-phase microextraction. 2003 , 1008, 1-12	55
1757	Patterns in the precision of quantitative data from multicomponent gas chromatographic or gas chromatographic-mass spectrometric analysis. 2003 , 1008, 105-14	4
1756	Application of isotope dilution to the determination of methylmercury in fish tissue by solid-phase microextraction gas chromatography-mass spectrometry. 2003 , 1011, 135-42	52
1755	Gas chromatography-mass spectrometry method for determining the methanol and acetic acid contents of pectin using headspace solid-phase microextraction and stable isotope dilution. 2003 , 1017, 151-9	48
1754	Determination of organic micropollutants in rainwater using hollow fiber membrane/liquid-phase microextraction combined with gas chromatography-mass spectrometry. 2003 , 1016, 11-20	118
1753	Solid-phase microextraction and liquid chromatography/mass spectrometry in drug analysis. 2003 , 492, 49-67	99
1752	Measurement of free concentrations using negligible depletion-solid phase microextraction (nd-SPME). 2003 , 22, 575-587	161
1751	Developments in liquid-phase microextraction. 2003 , 22, 565-574	501
1750	Polymer-coated fibrous extraction medium for sample preparation coupled to microcolumn liquid-phase separations. 2003 , 30, 1801-8	45
1749	Rapid screening of 2-[18F]-fluoro-2-deoxy-D-glucose infusions for volatile organic compound contaminants by solid phase microextraction with gas chromatography-selective ion monitoring mass spectrometry (SPME-GC-SIMMS). 2003 , 58, 193-200	5
1748	Identification of sulcatol, a potential pheromone of the ambrosia beetle <i>Gnathotrichus materiarius</i> (Col., Scolytidae). 2003 , 127, 189-194	14
1747	Application of tandem mass spectrometry combined with gas chromatography and headspace solid-phase dynamic extraction for the determination of drugs of abuse in hair samples. 2003 , 17, 472-8	69

1746	Nitrogen isotope analysis of ammonium in aqueous solutions using a perfluorosulfonated ionomer membrane for solid-phase microextraction. 2003 , 17, 936-42		1
1745	Optimization of Solid-Phase Microextraction for the Analysis of the Headspace Volatile Compounds in Kimchi, a Traditional Korean Fermented Vegetable Product. 2003 , 68, 844-848		12
1744	Monolithic silica column for in-tube solid-phase microextraction coupled to high-performance liquid chromatography. 2003 , 985, 351-7		90
1743	Solid-phase microextraction for herbicide determination in environmental samples. 2003 , 999, 103-21		102
1742	Miniaturized sample preparation combined with liquid phase separations. 2003 , 1000, 53-67		100
1741	Use of solid-phase microextraction coupled with gas chromatography for the determination of residual solvents in pharmaceutical products. 2003 , 999, 195-201		34
1740	Coupling solid-phase microextraction and high-performance liquid chromatography for direct and sensitive determination of halogenated fungicides in wine. 2003 , 995, 135-42		64
1739	Determination of organochlorine pesticides in water using microwave assisted headspace solid-phase microextraction and gas chromatography. 2003 , 1012, 129-37		95
1738	Solid-phase microextraction of volatile compounds in "Terrincho" ewe cheese. Comparison of different fibers. 2003 , 1011, 1-9		58
1737	Determination of methylmercury in fish tissues by isotope dilution SPME-GC-ICP-MS. 2003 , 18, 431-436		66
1736	Comparison of mass spectrometry-based electronic nose and solid phase microextraction gas chromatography-mass spectrometry technique to assess infant formula oxidation. 2003 , 51, 2790-6		84
1735	Headspace solid-phase microextraction method for the study of the volatility of selected flavor compounds. 2003 , 51, 200-5		82
1734	Optimization of solid phase microextraction analysis for the headspace volatile compounds of parmesan cheese. 2003 , 51, 1136-40		69
1733	Headspace liquid-phase microextraction of chlorobenzenes in soil with gas chromatography-electron capture detection. <i>Analytical Chemistry</i> , 2003 , 75, 98-103	7.8	174
1732	Dynamic three-phase microextraction as a sample preparation technique prior to capillary electrophoresis. <i>Analytical Chemistry</i> , 2003 , 75, 2784-9	7.8	86
1731	Solid-phase microextraction for studies on the enantiomeric composition of filbertone in hazelnut oils. 2003 , 51, 2496-500		15
1730	Comparison of static headspace, headspace solid phase microextraction, headspace sorptive extraction, and direct thermal desorption techniques on chemical composition of French olive oils. 2003 , 51, 7709-16		152
1729	Response to Comments on Helical Sorbent for Fast Sorption and Desorption in Solid-Phase Microextraction-Gas Chromatographic Analysis <i>Analytical Chemistry</i> , 2003 , 75, 3950-3951	7.8	1

1728	Sorption kinetics and microbial biodegradation activity of hydrophobic chemicals in sewage sludge: model and measurements based on free concentrations. 2003 , 37, 116-22	51
1727	The Atmospheric Fate of C ₃ -C ₆ Hydroxyalkyl Nitrates. 2003 , 107, 7809-7817	38
1726	Evaluation of K _d underestimation using solid phase microextraction. 2003 , 37, 5597-602	48
1725	Evaluation of two commercial solid-phase microextraction fibres for the analysis of target aroma compounds in cooked beef meat. 2003 , 61, 529-37	54
1724	Lipid oxidation of pressurized and cooked chicken: role of sodium chloride and mechanical processing on TBARS and hexanal values. 2003 , 64, 19-25	102
1723	Use of gas chromatography-mass spectrometry/solid phase microextraction for the identification of MVOCs from moldy building materials. 2003 , 52, 325-32	44
1722	Solid-phase microextraction in the analysis of virgin olive oil volatile fraction: modifications induced by oxidation and suitable markers of oxidative status. 2003 , 51, 6564-71	138
1721	Analysis of volatile compounds released during the grinding of roasted coffee beans using solid-phase microextraction. 2003 , 51, 1961-9	74
1720	Solid phase micro-extraction in a miniature ion trap mass spectrometer. 2003 , 128, 1119-22	24
1719	Removal of two polycyclic musks in sewage treatment plants: freely dissolved and total concentrations. 2003 , 37, 3111-6	69
1718	Cuticular hydrocarbons mediate discrimination of reproductives and nonreproductives in the ant <i>Myrmecia gulosa</i> . 2003 , 100, 10341-6	158
1717	Solid-Phase Microextraction Method for Headspace Analysis of Volatile Compounds in Bread Crumb. 2003 , 80, 255-259	55
1716	Solventless sample preparation for pesticides analysis in environmental water samples using solid-phase microextraction-high resolution gas chromatography/mass spectrometry (SPME-HRGC/MS). 2003 , 38, 417-28	6
1715	Monitoring and Evolution of the Pollution by Volatile Organic Compounds (Vocs) in the Groundwaters of The Najerilla River Basin (Spain). 2003 , 83, 495-506	7
1714	New developments in integrated sample preparation for bioanalysis. 2003 , 4, 1-44	1
1713	Instrumental methods in detecting taints and off-flavours. 2003 , 31-63	
1712	Effect of thermal treatment during processing of orange juice on the enantiomeric distribution of chiral terpenes. 2004 , 67, 1214-9	4
1711	Chapter 20 Drugs. 2004 , 945-985	

1710	Solid-phase microextraction and gas chromatography-electron capture detection analysis of trace organochlorine pesticides in water using novel benzo-15-crown-5 sol-gel coating. 2004 , 42, 57-61	9
1709	Modern Strategies for Environmental Sample Preparation and Analysis. 2004 , 37-68	1
1708	Changes in Volatile Sulfur Compounds in Strawberry Puree during Heating. 2004 , 69, FCT268-FCT272	27
1707	Identification by gas chromatography-mass spectrometry of the volatile organic compounds emitted from the wood-rotting fungi <i>Serpula lacrymans</i> and <i>Coniophora puteana</i> , and from <i>Pinus sylvestris</i> timber. 2004 , 108, 806-14	48
1706	Cocoa Quality and Processing. 2004 , 82, 291-297	17
1705	Qualitative analysis of organics in atmospheric particulates by headspace solid phase microextraction-GC/MS. 2004 , 38, 6917-6925	13
1704	Modified Polypyrrole with Tetrasulfonated Nickel Phthalocyanine as a Fiber for Solid-Phase Microextraction. Application to the Extraction of BTEX Compounds from Water Samples. 2004 , 59,	77
1703	Coupling of a Modified In-Tube Solid Phase Microextraction Technique with High Performance Liquid Chromatography-Fluorescence Detection for the Ultra-Trace Determination of Polycyclic Aromatic Hydrocarbons in Water Samples. 2004 , 59, 501	28
1702	Determination of Volatile Compounds in Wine by Automated Solid-Phase Microextraction and Gas Chromatography. 2004 , 59,	10
1701	Modified Pencil Lead as a New Fiber for Solid-Phase Microextraction. 2004 , 60, 313	64
1700	In-Valve Sample Preparation Cartridge Designed for Microcolumn Liquid Chromatography. 2004 , 60, 619-623	21
1699	Rapid Analysis of Flavor Volatiles in Apple Wine Using Headspace Solid-Phase Microextraction. 2004 , 110, 57-65	54
1698	Potential of SPME-GC and chemometrics to detect adulteration of soft fruit purès. 2004 , 52, 421-7	35
1697	Polydimethylsiloxane rod extraction, a novel technique for the determination of organic micropollutants in water samples by thermal desorption-capillary gas chromatography-mass spectrometry. 2004 , 1025, 17-26	70
1696	Applicability of headspace solid-phase microextraction to the determination of multi-class pesticides in waters. 2004 , 1028, 63-74	66
1695	Application of solid-phase microextraction to the analysis of volatile compounds in virgin olive oils. 2004 , 1028, 321-4	31
1694	Ultra thick film open tubular traps with an increased inner diameter. 2004 , 1047, 93-9	4
1693	Parts per quadrillion level ultra-trace determination of polar and nonpolar compounds via solvent-free capillary microextraction on surface-bonded sol-gel polytetrahydrofuran coating and gas chromatography-flame ionization detection. 2004 , 1047, 1-13	48

1692	Determination of 2,4,6-tribromoaniline in the color additives D&C Red Nos. 21 and 22 (Eosin Y) using solid-phase microextraction and gas chromatography-mass spectrometry. 2004 , 1057, 185-91	12
1691	Trapping pheromonal components with silicone rubber tubes: fatty acid secretions in honeybees (<i>Apis mellifera</i>). 2004 , 14, 77-79	8
1690	Gas chromatography-mass spectrometry with solid-phase microextraction method for determination of methyl salicylate and other volatile compounds in leaves of <i>Lycopersicon esculentum</i> . 2004 , 378, 518-22	22
1689	Determination of cannabinoids in hemp food products by use of headspace solid-phase microextraction and gas chromatography-mass spectrometry. 2004 , 378, 183-9	75
1688	Evaluation of solid-phase microextraction with PDMS for air sampling of gaseous organophosphate flame-retardants and plasticizers. 2004 , 380, 319-24	31
1687	Determination of benzene, toluene, ethylbenzene and xylenes in air by solid phase micro-extraction/gas chromatography/mass spectrometry. 2004 , 380, 824-30	48
1686	Fast detection of fluoroacetamide in body fluid using gas chromatography-mass spectrometry after solid-phase microextraction. 2004 , 802, 239-45	9
1685	Determination of specific volatile organic compounds synthesised during <i>Tuber borchii</i> fruit body development by solid-phase microextraction and gas chromatography/mass spectrometry. 2004 , 18, 199-205	64
1684	Headspace solid-phase microextraction with gas chromatography and mass spectrometry in the investigation of volatile organic compounds in an ectomycorrhizae synthesis system. 2004 , 18, 206-10	46
1683	Application of HS-SPME and GC-MS to characterization of volatile compounds emitted from <i>Osmanthus</i> flowers. 2004 , 94, 921-7	23
1682	Screening and distinction of coffee brews based on headspace solid phase microextraction/gas chromatography/principal component analysis. 2004 , 84, 43-51	51
1681	Comparison of simultaneous distillation extraction (SDE) and solid-phase microextraction (SPME) for the analysis of volatile compounds in dry-cured ham. 2004 , 84, 1364-1370	39
1680	Dynamic solid phase microextraction for sampling of airborne sarin with gas chromatography-mass spectrometry for rapid field detection and quantification. 2004 , 27, 1017-22	23
1679	Liquid-phase microextraction utilising plant oils as intermediate extraction medium--towards elimination of synthetic organic solvents in sample preparation. 2004 , 27, 1511-6	22
1678	Environmental and food applications of LC-tandem mass spectrometry in pesticide-residue analysis: an overview. 2004 , 23, 45-85	226
1677	Solid-phase microextraction coupled with high-performance liquid chromatography for the analysis of heterocyclic aromatic amines. 2004 , 1030, 87-93	45
1676	Preparation of stir bars for sorptive extraction using sol-gel technology. 2004 , 1045, 15-22	98
1675	Characterization of volatile compounds of French and Spanish virgin olive oils by HS-SPME: Identification of quality-freshness markers. 2004 , 88, 151-157	139

1674	Solid-phase microextraction-gas chromatography-mass spectrometric analysis of volatile compounds in a compounded Chinese medicinal prescription, Xiao-Cheng-Qi-Tang. 2004 , 36, 381-5	4
1673	Headspace sequestration of arsine onto a Pd(II)-containing aqueous drop as a preconcentration method for electrothermal atomic absorption spectrometry. 2004 , 59, 851-855	57
1672	Simultaneous determination of barbiturates in human biological fluids by direct immersion solid-phase microextraction and gas chromatography-mass spectrometry. 2004 , 806, 65-73	41
1671	Screening of food samples for carbamate and organophosphate pesticides using an electrochemical bioassay. 2004 , 84, 651-656	63
1670	Solid-phase microextraction-gas chromatography mass spectrometry: A fast and simple screening method for the assessment of organophosphorus pesticides residues in wine and fruit juices. 2004 , 86, 269-274	159
1669	Characterisation of volatile compounds of fruit juices and nectars by HS/SPME and GC/MS. 2004 , 87, 627-637	126
1668	Development of solid-phase microextraction methodology for analysis of headspace volatile compounds in simulated beef flavour. 2004 , 88, 141-149	31
1667	Headspace solid phase microextraction for the gas chromatographic analysis of methyl-parathion in post-mortem human samples. Application in a suicide case by intravenous injection. 2004 , 143, 127-32	29
1666	Identification of volatile organic compounds emitted by a naturally aged book using solid-phase microextraction/gas chromatography/mass spectrometry. 2004 , 1026, 9-18	70
1665	Quantitative determination of formaldehyde in cosmetics using a combined solid-phase microextraction-isotope dilution mass spectrometry method. 2004 , 1029, 217-22	59
1664	Automated high-capacity sorption probe for extraction of organic compounds in aqueous samples followed by gas chromatographic analysis. 2004 , 1033, 339-47	20
1663	Capillary microextraction on sol-gel dendrimer coatings. 2004 , 1034, 1-11	57
1662	Determination of benzene, toluene, ethylbenzene and xylenes in soils by multiple headspace solid-phase microextraction. 2004 , 1035, 17-22	112
1661	Development of a novel solid-phase extraction element for thermal desorption gas chromatography analysis. 2004 , 1035, 277-9	8
1660	Thick film traps with an irregular film. Preparation and evaluation. 2004 , 1035, 159-65	6
1659	Development of new solid-phase microextraction fibers by sol-gel technology for the determination of organophosphorus pesticide multiresidues in food. 2004 , 1036, 101-11	94
1658	Solid-phase microextraction and gas chromatography-mass spectrometry of volatile compounds from avocado puree after microwave processing. 2004 , 1036, 87-90	24
1657	Determination of hexanal as indicator of the lipidic oxidation state in potato crisps using gas chromatography and high-performance liquid chromatography. 2004 , 1046, 75-81	54

1656	Development of a hollow fibre liquid phase microextraction method to monitor the sonochemical degradation of explosives in water. 2004 , 501, 3-10		63
1655	Volatile organo-selenium speciation in biological matter by solid phase microextraction moderate temperature multicapillary gas chromatography with microwave induced plasma atomic emission spectrometry detection. 2004 , 501, 157-167		54
1654	Determination of the fungicides vinclozolin and dicloran in soils using ultrasonic extraction coupled with solid-phase microextraction. 2004 , 514, 125-130		40
1653	Single-drop microextraction for the analysis of organophosphorous insecticides in water. 2004 , 516, 205-211		102
1652	Study of multiple solid-phase microextraction combined off-line with high performance liquid chromatography. 2004 , 516, 197-204		37
1651	Multi-residue screening of endocrine disrupters chemicals in water samples by stir bar sorptive extraction-liquid desorption-capillary gas chromatography mass spectrometry detection. 2004 , 517, 21-32		110
1650	Simple device for the solid-phase microextraction screening of polychlorodibenzo-p-dioxins and polychlorodibenzofurans in heavily contaminated soil samples. 2004 , 527, 157-162		33
1649	Modelling SPME data from kinetic measurements in complex samples. 2004 , 129, 1137-42		16
1648	An accurate and sensitive method for the determination of methylmercury in biological specimens using GC-ICP-MS with solid phase microextraction. 2004 , 19, 1546		44
1647	Simultaneous multi-elemental speciation analysis of organometallic compounds by solid-phase microextraction and multicapillary gas chromatography hyphenated to inductively coupled plasma-time-of-flight-mass spectrometry. 2004 , 19, 867		62
1646	Solid-phase microextraction (SPME) of permethrin residues from cucumber using a silica-bonded phase-coated stainless steel fibre. 2004 , 21, 222-31		2
1645	A survey on high-concentration-capability headspace sampling techniques in the analysis of flavors and fragrances. 2004 , 42, 402-9		52
1644	Reflection-absorption infrared sensing device for detection of semivolatile aromatic compounds in soils. 2004 , 84, 1045-1058		2
1643	Solid-phase microextraction coupled to gas chromatography/mass spectrometry for determining polycyclic aromatic hydrocarbon-micelle partition coefficients. <i>Analytical Chemistry</i> , 2004 , 76, 4572-8	7.8	30
1642	Fast screening method for volatile compounds of oak wood used for aging wines by headspace SPME-GC-MS (SIM). 2004 , 52, 6857-61		42
1641	Toward more useful in vitro toxicity data with measured free concentrations. 2004 , 38, 6263-70		100
1640	A solid-phase microextraction device for the analysis of electrochemical reaction products by gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 6156-9	7.8	8
1639	Determination of total chromium in seawater by isotope dilution sector field ICPMS using GC sample introduction. <i>Analytical Chemistry</i> , 2004 , 76, 3510-6	7.8	42

- 1638 Development of a solid-phase microextraction-based method for sampling of persistent chlorinated hydrocarbons in an urbanized coastal environment. **2004**, 38, 5737-43 64
- 1637 Headspace solid phase microextraction for the gas chromatographic analysis of methyl-parathion in post-mortem human samplesApplication in a suicide case by intravenous injection. **2004**, 143, 127-127
- 1636 Solvent bar microextraction. *Analytical Chemistry*, **2004**, 76, 5591-6 7.8 185
- 1635 Sample preparation for the analysis of drugs in biological fluids. **2004**, 5, 1-14 4
- 1634 Capillary electrophoresis for the determination of drugs in biological fluids. **2004**, 5, 77-94
- 1633 Tequila volatile characterization and ethyl ester determination by solid phase microextraction gas chromatography/mass spectrometry analysis. **2004**, 52, 5567-71 57
- 1632 WHY ARE SOME FLORAL NECTARS SCENTED?. **2004**, 85, 1486-1494 189
- 1631 Monitoring the sonochemical degradation of phthalate esters in water using solid-phase microextraction. **2004**, 54, 849-57 96
- 1630 Static headspace versus head space solid-phase microextraction (HS-SPME) for the determination of volatile organochlorine compounds in landfill leachates by gas chromatography. **2004**, 63, 809-14 22
- 1629 Use of antioxidants to minimize rancidity in pressurized and cooked chicken slurries. **2004**, 66, 719-25 65
- 1628 Carbamate Pesticide Residues in Food. **2004**, 1177-1209 1
- 1627 Development and Analytic of Odor Absorber. **2004**, 41, 282-286
- 1626 Nonenzymatic Browning. **2004**, 1855-1890 1
- 1625 Alumina-based fiber for solid phase microextraction of alcohols from gaseous samples. **2004**, 20, 1359-62 26
- 1624 Determination of polycyclic aromatic hydrocarbons in water by solid-phase microextraction and liquid chromatography. **2004**, 20, 1383-8 37
- 1623 Solid-phase microextraction of phenol compounds using a fused-silica fiber coated with beta-cyclodextrin-bonded silica particles. **2004**, 20, 667-71 32
- 1622 Optimization of nonequilibrium liquid-phase microextraction for the determination of nitrobenzenes in aqueous samples by gas chromatography-electron capture detection. **2004**, 20, 663-6 33
- 1621 Chromatography-mass spectrophotometric techniques for air pollutants: a commentary. **2004**, 46, 82-6 3

1620	Solid-phase microextraction for the evaluation of partition coefficients of a chlorinated dioxin and hexachlorobenzene into humic substances. 2004 , 20, 787-91	14
1619	Characterization of Flavor Compounds Released During Grinding of Roasted Robusta Coffee Beans. 2005 , 11, 298-307	33
1618	Chemical analysis of preovulatory female african elephant urine: A search for putative pheromones. 2005 , 128-139	6
1617	Chromatographic Determination of Carbamate Pesticides in Environmental Samples. 2005 , 889-934	1
1616	Chemical signals in giant panda urine (<i>Ailuropoda melanoleuca</i>). 2005 , 110-117	6
1615	A Preliminary Study Using Fourier Transform near Infrared Spectroscopy to Monitor the Shelf-Life of Packed Industrial Ricotta Cheese. 2005 , 13, 293-300	22
1614	Amines. 2005 , 377-418	
1613	Sample Preparation for Chromatographic Analysis of Environmental Samples. 2005 , 31-131	2
1612	Chromatographic Analysis of Insecticides Chlorinated Compounds in Water and Soil. 2005 , 803-840	
1611	Organophosphorus Compounds in Water, Soils, Waste, and Air. 2005 , 841-888	1
1610	Automation of liquid-liquid extraction-spectrophotometry using prolonged pseudo-liquid drops and handheld CCD for speciation of Cr(VI) and Cr(III) in water samples. 2005 , 21, 1189-93	35
1609	Determination of methylmercury by electrothermal atomic absorption spectrometry using headspace single-drop microextraction with in situ hydride generation. 2005 , 60, 145-150	62
1608	Determination of naproxen in human urine by solid-phase microextraction coupled to liquid chromatography. 2005 , 39, 643-7	83
1607	Application of solid phase microextraction to the determination of strychnine in blood. 2005 , 816, 29-34	30
1606	Solid phase microextraction gas chromatographic analysis of organophosphorus pesticides in biological samples. 2005 , 822, 194-200	79
1605	The study of fingerprint characteristics of the emanations from human arm skin using the original sampling system by SPME-GC/MS. 2005 , 822, 244-52	114
1604	Solid phase microextraction to concentrate volatile products from thermal degradation of polymers. 2005 , 89, 33-37	18
1603	Application of liquid-phase microextraction for the determination of phoxim in water samples by high performance liquid chromatography with diode array detector. 2005 , 80, 19-23	67

1602	Determination of aromatic hydrocarbons in asphalt release agents using headspace solid-phase microextraction and gas chromatography-mass spectrometry. 2005 , 1069, 235-44	15
1601	Preparation and application of the sol-gel-derived acrylate/silicone co-polymer coatings for headspace solid-phase microextraction of 2-chloroethyl ethyl sulfide in soil. 2005 , 1076, 16-26	43
1600	A method for the determination of volatile N-nitrosamines in food by HS-SPME-GC-TEA. 2005 , 91, 173-179	74
1599	Whole-column imaging-detection techniques and their analytical applications. 2005 , 24, 369-382	35
1598	Gas chromatography-mass spectrometry analysis of volatile compounds from <i>Houttuynia cordata</i> Thunb after extraction by solid-phase microextraction, flash evaporation and steam distillation. 2005 , 531, 97-104	38
1597	Determination of essential oil in a traditional Chinese medicine, <i>Fructus amomi</i> by pressurized hot water extraction followed by liquid-phase microextraction and gas chromatography-mass spectrometry. 2005 , 536, 237-244	76
1596	Stereoselective determination of the major ibuprofen metabolites in human urine by off-line coupling solid-phase microextraction and high-performance liquid chromatography. 2005 , 538, 25-34	34
1595	Development of a headspace solid-phase microextraction method combined with gas chromatography mass spectrometry for the determination of phthalate esters in cow milk. 2005 , 538, 41-48	143
1594	Simultaneous derivatization and extraction of amphetamine-like drugs in urine with headspace solid-phase microextraction followed by gas chromatography-mass spectrometry. 2005 , 539, 49-54	33
1593	An approach to application of mesoporous hybrid as a fiber coating of solid-phase microextraction. 2005 , 543, 9-16	51
1592	Ordered mesoporous silica coated capillary for in-tube solid phase microextraction coupled to high performance liquid chromatography. 2005 , 543, 1-8	47
1591	Rapid screening of precursor and degradation products of chemical warfare agents in soil by solid-phase microextraction ion mobility spectrometry (SPMEIMS). 2005 , 545, 13-20	103
1590	Preparation and application of poly(dimethylsiloxane)/ β -cyclodextrin solid-phase microextraction membrane. 2005 , 543, 17-24	61
1589	Characterization of the aroma profile of Madeira wine by sorptive extraction techniques. 2005 , 546, 11-21	144
1588	Simultaneous determination of 22 volatile organic compounds, methyl-tert-butyl ether, 1,4-dioxane, 2-methylisoborneol and geosmin in water by headspace solid phase microextraction-gas chromatography-mass spectrometry. 2005 , 548, 79-85	79
1587	Solid phase microextraction of volatile oxidation compounds in oil-in-water emulsions. 2005 , 92, 401-406	41
1586	Determination of chromium(III) in water by solid-phase microextraction with a polyimide-coated fiber and gas chromatography-flame photometric detection. 2005 , 1062, 49-55	60
1585	Automated headspace-solid-phase micro extraction-retention time locked-isotope dilution gas chromatography-mass spectrometry for the analysis of organotin compounds in water and sediment samples. 2005 , 1079, 408-14	54

1584	Use of solid-phase microextraction for the detection of acetic acid by ion-trap gas chromatography-mass spectrometry and application to indoor levels in museums. 2005 , 1067, 331-6	23
1583	Sampling and determination of volatile organic compounds with needle trap devices. 2005 , 1072, 127-35	129
1582	Determination of polydimethylsiloxane-seawater distribution coefficients for polychlorinated biphenyls and chlorinated pesticides by solid-phase microextraction and gas chromatography-mass spectrometry. 2005 , 1066, 165-75	35
1581	Determination of odour-causing volatile organic compounds in cork stoppers by multiple headspace solid-phase microextraction. 2005 , 1068, 201-8	55
1580	Ultrathin phenyl-functionalized solid phase microextraction fiber coating developed by sol-gel deposition. 2005 , 1069, 163-72	37
1579	New approach of solid-phase microextraction improving the extraction yield of butyl and phenyltin compounds by combining the effects of pressure and type of agitation. 2005 , 1072, 19-27	29
1578	Solid-phase microextraction for qualitative and quantitative determination of migrated degradation products of antioxidants in an organic aqueous solution. 2005 , 1080, 107-16	39
1577	Comparison of three different solid-phase microextraction fibres for analysis of essential oils in yacon (<i>Smallanthus sonchifolius</i>) leaves. 2005 , 1084, 2-6	43
1576	Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples. 2005 , 1089, 25-30	87
1575	Single-drop liquid-phase microextraction for the determination of hypericin, pseudohypericin and hyperforin in biological fluids by high performance liquid chromatography. 2005 , 1093, 1-10	69
1574	Stir bar sorptive extraction and high-performance liquid chromatography-fluorescence detection for the determination of polycyclic aromatic hydrocarbons in Mate teas. 2005 , 1091, 2-10	137
1573	Determination of organophosphorus pesticides in cucumber and potato by stir bar sorptive extraction. 2005 , 1095, 1-7	124
1572	An SPME-GCMS Method for Determination of Organochlorine Pesticide Residues in Medicinal Plant Infusions. 2005 , 61, 291-297	19
1571	Use of Continuous-Flow Microextraction and Liquid Chromatography for Determination of Phoxim in Water Samples. 2005 , 61, 523-526	29
1570	SPME-GC-MSD for Determination of Nine Phenyl Compounds in Snow Water in Beijing China. 2005 , 62, 109-111	5
1569	LC Determination of Mono-Substituted Phenols in Water Using Liquid-Liquid-Liquid Phase Microextraction. 2005 , 62, 49-54	16
1568	Determination of L-Dopa and L-Dopamine in Aqueous Solutions Using In-Loop SPME Coupled with LC. 2005 , 62, 127-132	10
1567	Optimisation of a Headspace Solid-Phase Micro-Extraction Procedure for the Determination of 2,4,6-Trichloroanisole and Various Related Compounds in Cork Washing Waste Water by Use of Gas Chromatography-Mass Spectrometry. 2005 , 62, 527-531	10

1566	Aroma Active Compounds of Bulgogi. 2005 , 70, c517-c522	7
1565	Determination of microbial volatile organic compounds adsorbed on house dust particles and gypsum board using SPME/GC-MS. 2005 , 15 Suppl 9, 27-32	357
1564	Analysis of enantiomeric and non-enantiomeric monoterpenes in plant emissions using portable dynamic air sampling/solid-phase microextraction (PDAS-SPME) and chiral gas chromatography/mass spectrometry. 2005 , 39, 4875-4884	34
1563	Headspace-SPME and hydrodistillation of two fragrant <i>Artemisia</i> sp.. 2005 , 20, 395-398	13
1562	SPME sampling of BTEX before GC/MS analysis: examples of outdoor and indoor air quality measurements in public and private sites. 2005 , 95, 757-66	10
1561	Determination of the acaricide fenbutatin oxide in water samples by automated headspace-SPME-GC/MS. 2005 , 28, 665-8	10
1560	Application of solid phase microextraction for the determination of soil fumigants in water and soil samples. 2005 , 28, 98-103	19
1559	Rapid determination of C6-aldehydes in tomato plant emission by gas chromatography-mass spectrometry and solid-phase microextraction with on-fiber derivatization. 2005 , 28, 172-6	20
1558	Solid phase micro-extraction coupled with ion mobility spectrometry for the analysis of ephedrine in urine. 2005 , 28, 612-8	46
1557	Surface derivatization of poly(p-phenylene terephthalamide) fiber designed for novel separation and extraction media. 2005 , 28, 2413-8	32
1556	Determination of 2-methylisoborneol and geosmin in aqueous samples by static headspace-gas chromatography-mass spectrometry with ramped inlet pressure. 2005 , 28, 2511-6	7
1555	Methyl benzoate as a marker for the detection of mold in indoor building materials. 2005 , 28, 2517-25	7
1554	Optimization of a multi-residue screening method for the determination of 85 pesticides in selected food matrices by stir bar sorptive extraction and thermal desorption GC-MS. 2005 , 28, 1083-92	100
1553	High operationally stable sol-gel diglycidylloxycalix[4]arene fiber for solid-phase microextraction of propranolol in human urine. 2005 , 28, 2489-500	21
1552	Extraction and analysis of different Cannabis samples by headspace solid-phase microextraction combined with gas chromatography-mass spectrometry. 2005 , 28, 2293-300	29
1551	Production of the long-chain alcohols octanol, decanol, and dodecanol by <i>Escherichia coli</i> . 2005 , 51, 82-6	47
1550	Fertility signaling--the proximate mechanism of worker policing in a clonal ant. 2005 , 92, 282-6	33
1549	Passive sampling and/or extraction techniques in environmental analysis: a review. 2005 , 381, 279-301	276

1548	Sample preparation for pharmaceutical analysis. 2005 , 381, 75-7	29
1547	Miniaturization in sample treatment for environmental analysis. 2005 , 381, 119-40	86
1546	Stable isotope dilution analysis of wine fermentation products by HS-SPME-GC-MS. 2005 , 381, 937-47	159
1545	Determination of carbamates and organophosphorus pesticides by SDME-GC in natural water. 2005 , 383, 557-61	61
1544	Determination of pesticides and some metabolites in different kinds of milk by solid-phase microextraction and low-pressure gas chromatography-tandem mass spectrometry. 2005 , 382, 164-72	46
1543	Simultaneous determination of 64 pesticides in river water by stir bar sorptive extraction and thermal desorption-gas chromatography-mass spectrometry. 2005 , 382, 99-107	57
1542	New insights in analysing parasitoid attracting synomones: early volatile emission and use of stir bar sorptive extraction. 2005 , 15, 97-104	55
1541	Release of sex pheromone and its precursors in the pine sawfly <i>Diprion pini</i> (Hym., Diprionidae). 2005 , 15, 147-151	15
1540	Determination of low-molecular mass aldehydes by automated headspace solid-phase microextraction with in-fibre derivatisation. 2005 , 1071, 147-54	96
1539	Biomimetic measurement of allelochemical dynamics in the rhizosphere. 2005 , 31, 221-36	52
1538	New design of a sorption device for the preconcentration of organic impurities and their subsequent determination by gas chromatography. 2005 , 60, 6-11	1
1537	Identification of volatile basic components in tobacco by headspace liquid-phase microextraction coupled to matrix-assisted laser desorption/ionization with Fourier transform mass spectrometry. 2005 , 19, 1025-30	27
1536	Solid-phase microextraction gas chromatography/mass spectrometry: a new method for species identification of truffles. 2005 , 19, 2365-70	54
1535	Determination of microbial volatile organic compounds from <i>Staphylococcus pasteurii</i> against <i>Tuber borchii</i> using solid-phase microextraction and gas chromatography/ion trap mass spectrometry. 2005 , 19, 3411-5	41
1534	Analysis of the Chloroacetanilide Herbicides in Water Using SPME with CAR/PDMS and GC/ECD. 2005 , 88, 1236-1241	1
1533	Trimethylamine: metabolic, pharmacokinetic and safety aspects. 2005 , 6, 227-40	77
1532	Determination of volatile compounds in whiting (<i>Merlangius merlangus</i>) using headspace-solid-phase microextraction-gas chromatography-mass spectrometry. 2005 , 43, 304-12	20
1531	Use of SPME extraction to determine organophosphorus pesticides adsorption phenomena in water and soil matrices. 2005 , 85, 1101-1115	14

1530	Comparison among several fiber coating for a solid phase microextraction (SPME) based electronic nose applied to wine discrimination.		0
1529	Sample Preparation Techniques for Mass Spectrometry in Proteomics Using Recently Developed Highly Selective Materials. 2005 , 2, 269-285		4
1528	Chapter 5 Sample introduction techniques. 2005 , 235-268		
1527	A Review on Solid Phase Micro Extraction High Performance Liquid Chromatography (SPME-HPLC) Analysis of Pesticides. 2005 , 35, 71-85		130
1526	Headspace water-based liquid-phase microextraction. <i>Analytical Chemistry</i> , 2005 , 77, 1988-92	7.8	82
1525	Drugs and Poisons in Humans. 2005 ,		
1524	Methanol and formic acid. 2005 , 123-133		
1523	Development and Validation of a Methodology for the Determination of Pesticides in Water by SPME GC/DAD. 2005 , 28, 2909-2919		8
1522	Improved detection of low vapor pressure compounds in air by serial combination of single-sided membrane introduction with fiber introduction mass spectrometry (SS-MIMS-FIMS). 2005 , 130, 679-86		30
1521	Chemically Modified Mesoporous Silica as a Coating Layer of Solid-Phase Microextraction for Determination of Benzo[a]pyrene in Water Samples. 2005 , 38, 487-498		12
1520	Distribution and mass inventory of total dichlorodiphenyldichloroethylene in the water column of the southern California bight. 2005 , 39, 8170-6		20
1519	Optimization of a methodology for the determination of organochlorine pesticides in surface water by SPME-GC/MS. 2005 , 40, 513-23		8
1518	Method for analysis of polar volatile trace components in aqueous samples by gas chromatography. <i>Analytical Chemistry</i> , 2005 , 77, 3365-71	7.8	9
1517	Determination of parabens in pharmaceutical formulations by solid-phase microextraction-ion mobility spectrometry. <i>Analytical Chemistry</i> , 2005 , 77, 5938-46	7.8	79
1516	Improved malonaldehyde assay using headspace solid-phase microextraction and its application to the measurement of the antioxidant activity of phytochemicals. 2005 , 53, 4708-13		24
1515	Coupling of solid-phase microextraction and capillary isoelectric focusing with laser-induced fluorescence whole column imaging detection for protein analysis. <i>Analytical Chemistry</i> , 2005 , 77, 165-71	7.8	38
1514	Thermal desorption solid-phase microextraction inlet for differential mobility spectrometry. 2005 , 59, 754-62		16
1513	Photochemical studies of a polybrominated diphenyl ethers (PBDES) technical mixture by solid phase microextraction (SPME). 2005 , 60, 922-8		18

1512	Analysis of polycyclic aromatic hydrocarbons in wastewater treatment plant effluents using hollow fibre liquid-phase microextraction. 2005 , 60, 690-8	82
1511	In-tube solid phase microextraction using a beta-cyclodextrin coated capillary coupled to high performance liquid chromatography for determination of non-steroidal anti-inflammatory drugs in urine samples. 2005 , 65, 111-7	85
1510	Solid-phase microextraction-gas chromatography mass spectrometry and multivariate analysis for the characterization of roasted coffees. 2005 , 66, 261-5	46
1509	Exhaled volatile organic compounds in patients with non-small cell lung cancer: cross sectional and nested short-term follow-up study. 2005 , 6, 71	273
1508	Sample Preparation Perspectives. 2005 , 51-169	1
1507	Gas Chromatographic Determination of Volatile Aliphatic and Selected Aromatic Amines, without Derivatization: Solid Phase Microextraction. 2005 , 70, 340-363	1
1506	Pesticide Protocols. 2006 ,	5
1505	Miniaturization and automation of an internally cooled coated fiber device. <i>Analytical Chemistry</i> , 2006 , 78, 5222-6	7.8 60
1504	Evaluation of solid-phase microextraction desorption parameters for fast GC analysis of cocaine in coca leaves. 2006 , 44, 394-8	9
1503	Online coupling of solid-phase microextraction and capillary electrophoresis. 2006 , 44, 366-74	22
1502	Detection of adulteration of poppy seed oil with sunflower oil based on volatiles and triacylglycerol composition. 2006 , 54, 6385-9	52
1501	Headspace-solid-phase microextraction in the analysis of the volatile fraction of aromatic and medicinal plants. 2006 , 44, 416-29	63
1500	Comparison of volatile concentrations in hand-squeezed juices of four different lemon varieties. 2006 , 54, 1844-8	42
1499	Microdialysis hollow fiber as a macromolecule trap for on-line coupling of solid phase microextraction and capillary electrophoresis. 2006 , 131, 522-8	18
1498	SPME-enantioselective gas chromatography with ECD and ICP-MS detection for the chiral speciation of the pesticide ruelene in environmental samples. 2006 , 21, 876-883	16
1497	The use of solid-phase microextraction to rapidly measure dissolved PCBs in natural waters. 2006 , 86, 789-803	7
1496	Application of Solid-Phase Microextraction for the Analysis of Nitropolycyclic Aromatic Hydrocarbons in Water. 2006 , 63, 85-89	19
1495	Introduction to Passive Sampling. 2006 , 1-28	0

1494	Ochratoxin a determination in beer by solid-phase microextraction coupled to liquid chromatography with fluorescence detection: a fast and sensitive method for assessment of noncompliance to legal limits. 2006 , 54, 1594-8		34
1493	Unbreakable solid-phase microextraction fibers obtained by sol-gel deposition on titanium wire. <i>Analytical Chemistry</i> , 2006 , 78, 2071-4	7.8	112
1492	Chemical Characterization and Screening of Emission Profiles of Bituminous Sealants Using Solid-Phase Microextraction. 2006 , 20, 1528-1535		3
1491	Freely dissolved concentrations of PAHs in soil pore water: measurements via solid-phase extraction and consequences for soil tests. 2006 , 40, 1307-13		84
1490	Determination of pyrethroid, organophosphate and organochlorine pesticides in water by headspace solid-phase microextraction. 2006 , 86, 381-389		12
1489	Progress of solid-phase microextraction coatings and coating techniques. 2006 , 44, 324-32		30
1488	Establishment of long-term preservation for dimethyl sulfide by the solid-phase microextraction method. <i>Analytical Chemistry</i> , 2006 , 78, 4593-7	7.8	14
1487	Electrochemiluminescent detection based on solid-phase extraction at tris(2,2'-bipyridyl)ruthenium(II)-modified ceramic carbon electrode. <i>Analytical Chemistry</i> , 2006 , 78, 7330-4	7.8	46
1486	Kinetic calibration for automated hollow fiber-protected liquid-phase microextraction. <i>Analytical Chemistry</i> , 2006 , 78, 5783-8	7.8	86
1485	Single-Drop Microextraction and Gas Chromatographic Determination of Fungicide in Water and Wine Samples. 2006 , 39, 2333-2344		24
1484	Analysing selected VVOCs in indoor air with solid phase microextraction (SPME): a case study. 2006 , 65, 271-7		27
1483	Speciation of volatile arsenic at geothermal features in Yellowstone National Park. 2006 , 70, 2480-2491		73
1482	Mechanisms of Extraction of Aroma Compounds from Foods, Using Adsorbents. Effect of Various Parameters. 2006 , 22, 51-94		61
1481	On-site analysis of volatile nitrosamines in food model systems by solid-phase microextraction coupled to a direct extraction device. 2006 , 70, 1017-23		55
1480	Elemental speciation analysis, from environmental to biochemical challenge. 2006 , 139, 269-294		1
1479	Analysis of Herbicides in Water by On-Line In-Tube Solid-Phase Microextraction Coupled With Liquid Chromatography-Mass Spectrometry. 2006 , 365-382		
1478	Analysis of ethanol and methanol in human body fluids by headspace solid phase microextraction coupled with capillary gas chromatography. 2006 , 22, 1253-5		27
1477	Rapid study of fragrance loss from commercial soap after use by solid phase microextraction-GC/MS and olfactory evaluation. 2006 , 22, 1249-51		7

1476	Determination of Polycyclic Aromatic Hydrocarbons in River Water by HPLC after Stir Bar Sorptive Extraction. 2006 , 55, 949-954	2
1475	Organochlorine, Pyrethrin and Pyrethroid Insecticides: Single Class, Multiresidue Analysis of. 2006 ,	1
1474	Development and application of a headspace solid-phase microextraction and gas chromatography/mass spectrometry method for the determination of dimethylsulfide emitted by eight marine phytoplankton species. 2006 , 4, 374-381	19
1473	Automated Headspace Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry for Screening and Determination of Multiclass Pesticides in Water. 2006 , 343-364	
1472	s-Triazine Herbicides and Their Transformation Products, Multi-Residue Analysis of. 2006 ,	
1471	Validity of SPME Cryofocusing in Analysis of Volatile Components in Orange Juice. 2006 , 12, 295-298	6
1470	Determination of pyrethroid residues in tobacco by means of solid phase microextraction and GC/MS with the aid of ultrasonic assisted extraction using water as extracting solvent. 2006 , 22, 241-4	10
1469	Analysis of organochlorine pesticides in wine by solvent bar microextraction coupled with gas chromatography with tandem mass spectrometry detection. 2006 , 20, 118-24	29
1468	Solid-phase microextraction for gas chromatographic/mass spectrometric analysis of dimethoate in human biological samples. 2006 , 20, 865-9	18
1467	Determination of calcium in complex samples using functional magnetic beads combined with electrodeless/sheathless electrospray ionization mass spectrometry. 2006 , 20, 1995-9	6
1466	Headspace-solid-phase microextraction fast GC in combination with principal component analysis as a tool to classify different chemotypes of chamomile flower-heads (<i>Matricaria recutita</i> L.). 2006 , 17, 217-25	35
1465	Microcolumn Solid-phase Extraction Coupled Online to Capillary Liquid Chromatography Using a Valve Switching Technique. 2006 , 34, 759-763	6
1464	Changes in Volatile Compounds of Traditional Chinese Nanjing Water-boiled Salted Duck During Processing. 2006 , 71, S371-S377	24
1463	Interactions of Milk Proteins and Volatile Flavor Compounds: Implications in the Development of Protein Foods. 2006 , 71, R72-R82	114
1462	Behavioural and endocrinological parameters of female African and Asian elephants <i>Loxodonta africana</i> and <i>Elephas maximus</i> in the peripartal period. 2006 , 40, 41-50	19
1461	Relating Descriptive Sensory Analysis to Gas Chromatography/Olfactometry Ratings of Fresh Strawberries Using Partial Least Squares Regression. 2006 , 69, 273-277	22
1460	Characterisation of compounds emitted during natural and artificial ageing of a book. Use of headspace-solid-phase microextraction/gas chromatography/mass spectrometry. 2006 , 7, 123-133	51
1459	Detection of the adulteration of olive oils by solid phase microextraction and multidimensional gas chromatography. 2006 , 97, 336-342	47

1458	Determination of tetramethylenedisulfotetramine in human urine with gas chromatograph-flame thermionic detection coupling with direct immersed solid-phase micro-extraction. 2006 , 159, 168-74	25
1457	Simple and solvent-free methodology for simultaneous quantification of methanol and acetic acid content of plant polysaccharides based on headspace solid phase microextraction-gas chromatography (HS-SPME-GC-FID). 2006 , 64, 306-311	26
1456	Development of headspace solid-phase microextraction-gas chromatography-mass spectrometry methodology for analysis of terpenoids in Madeira wines. 2006 , 555, 191-200	104
1455	Rapid determination of essential oil compounds in <i>Artemisia Selengensis</i> Turcz by gas chromatography-mass spectrometry with microwave distillation and simultaneous solid-phase microextraction. 2006 , 556, 289-294	69
1454	Development of a headspace solid phase microextraction-gas chromatography method for monitoring volatile compounds in extended time-course experiments of olive oil. 2006 , 556, 407-414	38
1453	Novel fiber coated with β -cyclodextrin derivatives used for headspace solid-phase microextraction of ephedrine and methamphetamine in human urine. 2006 , 556, 400-406	77
1452	Nafion membrane-supported ionic liquid-solid phase microextraction for analyzing ultra trace PAHs in water samples. 2006 , 557, 321-328	121
1451	Analysis of 35 priority semivolatile compounds in water by stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry: Part II: Method validation. 2006 , 558, 261-266	73
1450	Vinyl crown ether as a novel radical crosslinked sol-gel SPME fiber for determination of organophosphorus pesticides in food samples. 2006 , 559, 89-96	78
1449	Headspace solid-phase microextraction applied to the simultaneous determination of sorbic and benzoic acids in beverages. 2006 , 562, 23-29	59
1448	Analysis of volatile compounds emitted from fresh <i>Syringa oblata</i> flowers in different floescence by headspace solid-phase microextraction-gas chromatography-mass spectrometry. 2006 , 576, 43-9	53
1447	Determination of low-aliphatic aldehyde derivatizatives in human saliva using polymer monolith microextraction coupled to high-performance liquid chromatography. 2006 , 565, 129-135	68
1446	Preparation of anilinemethyltriethoxysilane/polydimethylsiloxane sol-gel coatings for solid-phase microextraction of aromatic compounds. 2006 , 567, 211-217	42
1445	Uncertainty associated to the analysis of organochlorine pesticides in water by solid-phase microextraction/gas chromatography-electron capture detection--evaluation using two different approaches. 2006 , 573-574, 202-8	39
1444	Comparison of the volatile compounds of <i>Atractylodes</i> medicinal plants by headspace solid-phase microextraction-gas chromatography-mass spectrometry. 2006 , 570, 73-78	49
1443	Solid phase microextraction and gas chromatography with ion trap detector (GC-ITD) analysis of amitraz residues in beeswax after hydrolysis to 2,4-dimethylaniline. 2006 , 571, 40-4	18
1442	On-line preconcentration and separation of Co, Ni and Cd via capillary microextraction on ordered mesoporous alumina coating and determination by inductively plasma mass spectrometry (ICP-MS). 2006 , 572, 55-62	84
1441	Simultaneous determination of preservatives in soft drinks, yogurts and sauces by a novel solid-phase extraction element and thermal desorption-gas chromatography. 2006 , 577, 62-7	65

1440	Determination of herbicides by solid phase extraction gas chromatography-mass spectrometry in drinking waters. 2006 , 578, 241-9	69
1439	Solid phase micro extraction fibers, calibration for use in biofilter applications. 2006 , 31, 107-112	3
1438	In-needle extraction device designed for gas chromatographic analysis of volatile organic compounds. 2006 , 1106, 190-5	75
1437	Headspace solid-phase microextraction gas chromatography-mass spectrometry method for the identification of cosmetic ingredients causing delamination of packagings. 2006 , 1101, 32-7	19
1436	Depletion solid-phase microextraction for the evaluation of fiber-sample partition coefficients of pesticides. 2006 , 1102, 51-9	18
1435	Recent developments in solid-phase microextraction coatings and related techniques. 2006 , 1103, 183-92	232
1434	Liquid-liquid-liquid microextraction with automated movement of the acceptor and the donor phase for the extraction of phenoxyacetic acids prior to liquid chromatography detection. 2006 , 1104, 33-9	48
1433	Focused microwave-assisted extraction combined with solid-phase microextraction and gas chromatography-mass spectrometry for the selective analysis of cocaine from coca leaves. 2006 , 1112, 127-32	15
1432	Automated determination of ethyl carbamate in stone-fruit spirits using headspace solid-phase microextraction and gas chromatography-tandem mass spectrometry. 2006 , 1108, 116-20	83
1431	Determination of organic compounds in water using dispersive liquid-liquid microextraction. 2006 , 1116, 1-9	2709
1430	Application of a single-drop microextraction for the analysis of organophosphorus pesticides in juice. 2006 , 1114, 269-73	112
1429	Comparison of stir bar sorptive extraction and membrane-assisted solvent extraction as enrichment techniques for the determination of pesticide and benzo[a]pyrene residues in Brazilian sugarcane juice. 2006 , 1114, 180-7	74
1428	Solid-phase microextraction of N-nitrosamines. 2006 , 1117, 11-8	91
1427	Rapid tool for distinction of wines based on the global volatile signature. 2006 , 1114, 188-97	33
1426	Simultaneous determination of sorbic and benzoic acids in food dressing by headspace solid-phase microextraction and gas chromatography. 2006 , 1117, 109-14	64
1425	Simplified analysis of organic compounds in headspace and aqueous samples by high-capacity sample enrichment probe. 2006 , 1121, 259-67	37
1424	Method optimization by solid-phase microextraction in combination with gas chromatography with mass spectrometry for analysis of beer volatile fraction. 2006 , 1121, 145-53	99
1423	Continuous flow microextraction combined with high-performance liquid chromatography for the analysis of pesticides in natural waters. 2006 , 1122, 7-12	53

1422	New cold-fiber headspace solid-phase microextraction device for quantitative extraction of polycyclic aromatic hydrocarbons in sediment. 2006 , 1124, 35-42	106
1421	Dispersive liquid-liquid microextraction combined with gas chromatography-flame photometric detection. Very simple, rapid and sensitive method for the determination of organophosphorus pesticides in water. 2006 , 1123, 1-9	652
1420	Sample pretreatment method for the determination of polychlorinated biphenyls in bird livers using ultrasonic extraction followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry. 2006 , 1124, 97-105	35
1419	On-rod standardization technique for time-weighted average water sampling with a polydimethylsiloxane rod. 2006 , 1124, 112-20	58
1418	New approach based on solid-phase microextraction to estimate polydimethylsiloxane fibre coating-water distribution coefficients for brominated flame retardants. 2006 , 1124, 121-9	15
1417	Fast screening of pesticide multiresidues in aqueous samples by dual stir bar sorptive extraction-thermal desorption-low thermal mass gas chromatography-mass spectrometry. 2006 , 1130, 83-90	82
1416	Determination of sulfonamide antibiotics in wastewater: a comparison of solid phase microextraction and solid phase extraction methods. 2006 , 1131, 1-10	156
1415	Analysis of estrogens in environmental waters using polymer monolith in-polyether ether ketone tube solid-phase microextraction combined with high-performance liquid chromatography. 2006 , 1133, 21-8	109
1414	Experimental design to optimise the analysis of organic volatile compounds in cow slurry by headspace solid-phase microextraction-gas chromatography-mass spectrometry. 2006 , 1136, 1-9	21
1413	Determination of aromatic hydrocarbons in bituminous emulsion sealants using headspace solid-phase microextraction and gas chromatography-mass spectrometry. 2006 , 1137, 15-21	11
1412	Physically incorporated extraction phase of solid-phase microextraction by sol-gel technology. 2006 , 1102, 37-43	37
1411	Solid-phase microextraction coupled with capillary electrophoresis for the determination of propranolol enantiomers in urine using a sol-gel derived calix[4]arene fiber. 2006 , 1104, 359-65	66
1410	Solid-phase dynamic extraction for the enrichment of polar volatile organic compounds from water. 2006 , 1115, 208-16	64
1409	Selenium speciation analysis using inductively coupled plasma-mass spectrometry. 2006 , 1114, 1-20	160
1408	Determination of trace level chemical warfare agents in water and slurry samples using hollow fibre-protected liquid-phase microextraction followed by gas chromatography-mass spectrometry. 2006 , 1124, 91-6	47
1407	Trace analysis of fullerenes in biological samples by simplified liquid-liquid extraction and high-performance liquid chromatography. 2006 , 1129, 216-22	78
1406	Multiwalled carbon nanotubes coated fibers for solid-phase microextraction of polybrominated diphenyl ethers in water and milk samples before gas chromatography with electron-capture detection. 2006 , 1137, 8-14	261
1405	Volatile compounds from Chfoui olive oil and variations induced by growing area. 2006 , 99, 315-325	85

1404	Identification of volatile compounds in soymilk using solid-phase microextraction-gas chromatography. 2006 , 99, 759-766	54
1403	Combination of stir bar sorptive extraction-retention time locked gas chromatography-mass spectrometry and automated mass spectral deconvolution for pesticide identification in fruits and vegetables. 2006 , 84, 63-69	42
1402	Solid-phase microextraction-gas chromatographic-mass spectrometric analysis of volatile compounds from Curcuma wenyujin Y.H. Chen et C. Ling. 2006 , 40, 552-8	24
1401	Novel stir bar sorptive extraction methods for environmental and biomedical analysis. 2006 , 40, 500-8	171
1400	Determination of quinalphos in blood and urine by direct solid-phase microextraction combined with gas chromatography-mass spectrometry. 2006 , 832, 162-8	33
1399	Measurement of the free concentration of octylphenol in biological samples with negligible depletion-solid phase microextraction (nd-SPME): analysis of matrix effects. 2006 , 834, 35-41	42
1398	Urinalysis of 4-hydroxynonenal, a marker of oxidative stress, using stir bar sorptive extraction-thermal desorption-gas chromatography/mass spectrometry. 2006 , 834, 134-40	31
1397	Simultaneous determination of selegiline and desmethylselegiline in human body fluids by headspace solid-phase microextraction and gas chromatography-mass spectrometry. 2006 , 844, 283-91	23
1396	Trace element determination by combining solid-phase microextraction hyphenated to elemental and molecular detection techniques. 2006 , 44, 458-71	15
1395	Correlations Between Phenols-Micelles Partition Coefficients and Several Molecular Descriptors. An Approach to Predict the Phenols Behaviour in MSPME. 2006 , 63, 167-174	8
1394	A Comparison of SnifProbe and SPME for Aroma Sampling. 2006 , 64, 487-493	2
1393	Hydrodistillation-Headspace Solvent Microextraction: An Efficient Method for Analysis of the Essential Oil from the Seeds of Foeniculum vulgare Mill.. 2006 , 65, 119-122	10
1392	Development of Electro Solid-Phase Microextraction and Application to Methamphetamine Analysis. 2006 , 65, 45-50	18
1391	On-Fiber Derivatization of SPME Extracts of Phenol, Hydroquinone and Catechol with GC-MS Detection. 2006 , 63, 175-179	43
1390	Preparation of a Carbon-Coated SPME Fiber and Application to the Analysis of BTEX and Halocarbons in Water. 2006 , 63, 365-371	16
1389	Chemical communication in Chagas disease vectors. Source, identity, and potential function of volatiles released by the metasternal and Brindley's glands of Triatoma infestans adults. 2006 , 32, 2035-52	60
1388	Identification of (-)-beta-caryophyllene as a gender-specific terpene produced by the multicolored Asian lady beetle. 2006 , 32, 2489-99	32
1387	Juvenile hormone III influences task-specific cuticular hydrocarbon profile changes in the ant Myrmicaria eumenoides. 2007 , 33, 167-81	36

1386	Characterization of dog repellent factor from cuticular secretion of female yellow dog tick, <i>Haemaphysalis leachi</i> . 2006 , 32, 125-36	2
1385	Comparison of the Enrichment Efficiency of Multiwalled Carbon Nanotubes, C18 Silica, and Activated Carbon as the Adsorbents for the Solid Phase Extraction of Atrazine and Simazine in Water Samples. 2006 , 152, 215-224	47
1384	Application of Continuous-Flow Liquid Phase Microextraction to the Analysis of Phenolic Compounds in Wastewater Samples. 2006 , 155, 415-420	19
1383	Microanalysis of Volatile Organic Compounds (VOCs) in Water Samples [Methods and Instruments]. 2006 , 155, 331-348	19
1382	Eight-carbon volatiles in mushrooms and fungi: properties, analysis, and biosynthesis. 2006 , 47, 317-326	174
1381	A novel headspace solid-phase microextraction method for the exact determination of organochlorine pesticides in environmental soil samples. 2006 , 384, 1584-9	30
1380	Comparison of two quantitative GC-MS methods for analysis of tomato aroma based on purge-and-trap and on solid-phase microextraction. 2006 , 385, 1255-64	37
1379	SPME in environmental analysis. 2006 , 386, 1059-73	207
1378	Simultaneous derivatization/preconcentration of volatile aldehydes with a miniaturized fiber-packed sample preparation device designed for gas chromatographic analysis. 2006 , 386, 725-32	62
1377	Determination of frequently detected herbicides in water by solid-phase microextraction and gas chromatography coupled to ion-trap tandem mass spectrometry. 2006 , 386, 1449-56	27
1376	Improvement of HS-SPME for analysis of volatile organic compounds (VOC) in water samples by simultaneous direct fiber cooling and freezing of analyte solution. 2006 , 386, 1497-503	21
1375	Determination of parathion in biological fluids by means of direct solid-phase microextraction. 2006 , 386, 1717-26	23
1374	Determination of aspartate and glutamate in rabbit retina using polymer monolith microextraction coupled to high-performance liquid chromatography with fluorescence detection. 2006 , 386, 2035-42	21
1373	Evaluation of chemical indicators for monitoring freshness of food and determination of volatile amines in fish by headspace solid-phase microextraction and gas chromatography-mass spectrometry. 2006 , 224, 67-74	72
1372	A novel electronic nose based on miniaturized SAW sensor arrays coupled with SPME enhanced headspace-analysis and its use for rapid determination of volatile organic compounds in food quality monitoring. 2006 , 114, 482-488	63
1371	Use of Volatiles as Indicators of Lipid Oxidation in Muscle Foods. 2006 , 5, 18-25	119
1370	Identification of volatile components in <i>Angelica</i> species using supercritical-CO ₂ fluid extraction and solid phase microextraction coupled to gas chromatography-mass spectrometry. 2006 , 20, 1267-73	36
1369	Combining stir bar sorptive extraction and MEKC for the determination of polynuclear aromatic hydrocarbons in environmental and biological matrices. 2006 , 27, 4694-702	31

1368	Identification of volatile aroma compounds of strawberry wine using solid-phase microextraction techniques coupled with gas chromatography-mass spectrometry. 2006 , 21, 68-71	35
1367	Determination of thiol compounds by automated headspace solid-phase microextraction with in-fiber derivatization. 2006 , 21, 385-394	21
1366	Composition of the concrete, absolute, headspace and essential oil of the flowers of <i>Michelia champaca</i> Linn.. 2006 , 21, 906-911	13
1365	Optimization of the solid-phase microextraction method in the determination of <i>Ixodes ricinus</i> (L.) volatiles. 2006 , 29, 236-41	7
1364	Applications of solid phase microextraction for the determination of metallic and organometallic species. 2006 , 29, 333-45	59
1363	Dynamic liquid-phase microextraction with HPLC for the determination of phoxim in water samples. 2006 , 29, 366-70	11
1362	Determination of anatoxin-a in environmental water samples by solid-phase microextraction and gas chromatography-mass spectrometry. 2006 , 29, 2085-90	21
1361	Extraction of hydroxyaromatic compounds in river water by liquid-liquid-liquid microextraction with automated movement of the acceptor and the donor phase. 2006 , 29, 2078-84	11
1360	Pesticides analysis by liquid chromatography and capillary electrophoresis. 2006 , 29, 2557-77	32
1359	Isotope dilution SPME GC/MS for the determination of methylmercury in tuna fish samples. 2006 , 41, 77-83	27
1358	Contribution of mass spectrometry to assess quality of milk-based products. 2006 , 25, 290-326	46
1357	SPME in environmental analysis: biotransformation pathways. 2006 , 44, 379-86	8
1356	Solid-phase microextraction of organophosphate pesticides in source waters for drinking water treatment facilities. 2006 , 44, 484-8	6
1355	Analytical microextraction: current status and future trends. 2006 , 44, 291-307	91
1354	Phenols Analysis in Environmental Samples. 2006 ,	
1353	An Environmentally Benign Method for Reducing Off-Flavor Terpenoids in Aquaculture: Initial Laboratory Studies. 2006 , 68, 249-252	5
1352	8 HPLC sample preparation. 2007 , 8, 237-268	5
1351	Headspace solid phase microextraction in the analysis of pesticide residues: Kinetics and quantification prior to the attainment of partition equilibrium. 2007 , 72, 879-887	7

1350	Chapter 17 Passive sampling devices for measuring organic compounds in soils and sediments. 2007 , 379-390		2
1349	Analysis of Tropane Alkaloids in Biological Matrices. 339-367		3
1348	Quantitative in vivo microsampling for pharmacokinetic studies based on an integrated solid-phase microextraction system. <i>Analytical Chemistry</i> , 2007 , 79, 4507-13	7.8	94
1347	Modern Techniques of Sample Preparation for Determination of Organic Analytes by Gas Chromatography. 2007 , 37, 15-38		25
1346	Chapter 19 Monitoring of chlorinated biphenyls and polycyclic aromatic hydrocarbons by passive sampling in concert with deployed mussels. 2007 , 407-448		31
1345	Chapter 7 Theory, modelling and calibration of passive samplers used in water monitoring. 2007 , 141-169		65
1344	Supercritical fluid extraction and other technologies for extraction of high-value food processing co-products. 2007 , 217-257		1
1343	Methodologies for Improved Quality Control Assessment of Food Products. 11-47		
1342	Comparison of multiwalled carbon nanotubes and a conventional absorbent on the enrichment of sulfonyleurea herbicides in water samples. 2007 , 23, 189-92		47
1341	Sampling Procedures with Special Focus on Automatization. 253-293		
1340	Analysis of polycyclic aromatic hydrocarbons in solid matrixes by solid-phase microextraction coupled to a direct extraction device. 2007 , 71, 751-7		48
1339	A new method for simultaneous determination of Co(II), Ni(II) and Pd(II) as morpholine-4-carbodithioate complex by SPME-HPLC-UV system. 2007 , 73, 425-30		25
1338	Determination of organophosphorus fire retardants and plasticizers in wastewater samples using MAE-SPME with GC-ICPMS and GC-TOFMS detection. 2007 , 9, 1329-36		29
1337	Determination of benzene, toluene, ethylbenzene, xylenes in water at sub-ng l ⁻¹ levels by solid-phase microextraction coupled to cryo-trap gas chromatography-mass spectrometry. 2007 , 69, 1381-7		40
1336	Physical origin for the nonlinear sorption of very hydrophobic organic chemicals in a membrane-like polymer film. 2007 , 69, 1518-24		15
1335	Preparation and Characterization of Prometryn Molecularly Imprinted Solid-Phase Microextraction Fibers. 2007 , 40, 645-660		27
1334	Analysis of volatile components during potherb mustard (<i>Brassica juncea</i> , Coss.) pickle fermentation using SPME-GC-MS. 2007 , 40, 439-447		64
1333	Study on the influence of pasture on volatile fraction of ewes' dairy products by solid-phase microextraction and gas chromatography-mass spectrometry. 2007 , 90, 556-69		31

1332	Polyethylene devices: passive samplers for measuring dissolved hydrophobic organic compounds in aquatic environments. 2007 , 41, 1317-23		223
1331	Evaluation of bio-compatible poly(ethylene glycol)-based solid-phase microextraction fiber for in vivo pharmacokinetic studies of diazepam in dogs. 2007 , 132, 672-8		52
1330	Flavours and Fragrances. 2007 ,		146
1329	Molecularly imprinted polymeric fibers for solid-phase microextraction. <i>Analytical Chemistry</i> , 2007 , 79, 3099-104	7.8	183
1328	Development of an Analytical Protocol for Forensic Identification of Chemical Warfare Agent Surrogates. 2007 , 8, 383-390		6
1327	Analysis of biomarker features from a differential mobility spectrometer for the detection of tuberculosis. 2007 ,		1
1326	Predicting bioavailability and accumulation of organochlorine pesticides by Japanese medaka in the presence of humic acid and natural organic matter using passive sampling membranes. 2007 , 41, 6698-703		29
1325	Liquid-phase microextraction and gas-chromatographic determination of selenium(IV) in aqueous samples. 2007 , 87, 603-614		12
1324	Influence of albumin on sorption kinetics in solid-phase microextraction: consequences for chemical analyses and uptake processes. <i>Analytical Chemistry</i> , 2007 , 79, 6941-8	7.8	72
1323	Application of a headspace sorptive extraction method for the analysis of volatile components in South African wines. 2007 , 55, 8696-702		32
1322	Extraction procedures. 2007 , 269-297		2
1321	Development of an improved liquid phase microextraction technique and its application in the analysis of flumetsulam and its two analogous herbicides in soil. 2007 , 55, 9351-6		15
1320	Determining chemical activity of (semi)volatile compounds by headspace solid-phase microextraction. <i>Analytical Chemistry</i> , 2007 , 79, 2869-76	7.8	43
1319	On-Fiber Standardization Technique for Solid-Coated Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2007 , 79, 1221-1230	7.8	51
1318	Water-induced coacervation of alkyl carboxylic acid reverse micelles: phenomenon description and potential for the extraction of organic compounds. <i>Analytical Chemistry</i> , 2007 , 79, 7473-84	7.8	121
1317	Time-weighted average water sampling in Lake Ontario with solid-phase microextraction passive samplers. 2007 , 41, 4026-31		66
1316	Preparation and application of in-fibre internal standardization solid-phase microextraction. 2007 , 132, 256-61		40
1315	Comparison of the volatile composition in thyme honeys from several origins in Greece. 2007 , 55, 8152-7		93

1314	Application of a novel cold activated carbon fiber-solid phase microextraction for analysis of organochlorine pesticides in soil. 2007 , 42, 629-34	11
1313	Determination of Some Aldehydes by Using Solid-Phase Microextraction and High-Performance Liquid Chromatography with UV Detection. 2007 , 90, 1689-1694	9
1312	Quantitative Determination of VOCs Using HS-SPME: A Comprehensive Reviewed Application for Meat Safety. 2007 ,	1
1311	. 2007 ,	2
1310	EXTRACTION Sorptive Extraction Methods. 2007 , 1-7	1
1309	Development of Solid Phase Microextraction-High Performance Liquid Chromatographic Method for the Determination of Copper(II) in Environmental Samples Using Morpholine-4-Carbodithioate. 2007 , 97, 1279-1290	7
1308	Animal use replacement, reduction, and refinement: Development of an integrated testing strategy for bioconcentration of chemicals in fish. 2007 , 3, 3-17	44
1307	Multiple pesticide analysis in wine by MEKC combined with solid-phase microextraction and sample stacking. 2007 , 28, 4072-81	31
1306	The study of the aroma profile characteristics of durian pulp during storage by the combination sampling method coupled with GCMS. 2007 , 22, 71-77	14
1305	Factors affecting solid phase microextraction (SPME) to concentrate the odorants of Chinese white salted noodles for GCMS analysis. 2007 , 22, 274-279	4
1304	Composition of essential oil, concrete, absolute, wax and headspace volatiles of <i>Murraya paniculata</i> (Linn.) Jack flowers. 2007 , 22, 352-357	26
1303	Determination of flavour profile in Iranian fragrant rice samples using cold-fibre SPME-GC/MS. 2007 , 22, 377-391	57
1302	Quantification of testosterone and epitestosterone in human urine samples by stir bar sorptive extraction-thermal desorption-gas chromatography/mass spectrometry: application to HIV-positive urine samples. 2007 , 30, 257-65	34
1301	Fast determination of Z-ligustilide in plasma by gas chromatography/mass spectrometry following headspace single-drop microextraction. 2007 , 30, 1318-25	24
1300	Preparation of single-walled carbon nanotube fiber coating for solid-phase microextraction of organochlorine pesticides in lake water and wastewater. 2007 , 30, 2138-43	85
1299	Developments in ion chromatography using monolithic columns. 2007 , 30, 1628-45	49
1298	Stereoselective determination of hydroxychloro-quine and its major metabolites in human urine by solid-phase microextraction and HPLC. 2007 , 30, 2351-9	15
1297	A rapid, sensitive and effective quantitative method for simultaneous determination of cationic surfactant mixtures from river and municipal wastewater by direct combination of single-drop microextraction with AP-MALDI mass spectrometry. 2007 , 42, 1637-44	50

1296	Miniaturized sample preparation using a fiber-packed capillary as the medium. 2007 , 26, 27-35	46
1295	Multiple solid-phase microextraction: Theory and applications. 2007 , 26, 206-214	57
1294	Aroma investigation of unifloral Greek citrus honey using solid-phase microextraction coupled to gas chromatographic-mass spectrometric analysis. 2007 , 100, 396-404	107
1293	A headspace solid-phase microextraction method of use in monitoring hexanal and pentane during storage: Application to liquid infant foods and powdered infant formulas. 2007 , 101, 1078-1086	46
1292	A review of volatile analytical methods for determining the botanical origin of honey. 2007 , 103, 1032-1043	182
1291	Profiles of volatile compounds from some monovarietal Tunisian virgin olive oils. Comparison with French PDO. 2007 , 103, 467-476	61
1290	Seasonal variation in the odour characteristics of whole milk powder. 2007 , 103, 960-967	38
1289	Molecularly imprinted polymers for solid-phase extraction and solid-phase microextraction: recent developments and future trends. 2007 , 1152, 32-40	453
1288	Comparative study of the whisky aroma profile based on headspace solid phase microextraction using different fibre coatings. 2007 , 1150, 198-207	74
1287	Glass-fiber reinforced poly(acrylate)-based sorptive materials for the enrichment of organic micropollutants from aqueous samples. 2007 , 1138, 1-9	14
1286	Developments in single-drop microextraction. 2007 , 1152, 184-92	340
1285	Fibre selection based on an overall analytical feature comparison for the solid-phase microextraction of trihalomethanes from drinking water. 2007 , 1139, 27-35	38
1284	Automation and optimization of liquid-phase microextraction by gas chromatography. 2007 , 1138, 47-54	87
1283	Time-weighted average water sampling with a diffusion-based solid-phase microextraction device. 2007 , 1138, 42-6	23
1282	Analysis of chloro- and nitrobenzenes in water by a simple polyaniline-based solid-phase microextraction coupled with gas chromatography. 2007 , 1140, 21-8	53
1281	Analysis of semi-volatile organic compounds in aqueous samples by microwave-assisted headspace solid-phase microextraction coupled with gas chromatography-electron capture detection. 2007 , 1140, 35-43	22
1280	Rapid headspace solid-phase microextraction/gas chromatographic/mass spectrometric assay for the quantitative determination of some of the main odorants causing off-flavours in wine. 2007 , 1141, 1-9	94
1279	Optimisation and validation of a solid-phase microextraction method for simultaneous determination of different types of pesticides in water by gas chromatography-mass spectrometry. 2007 , 1141, 165-73	67

1278	Hollow fiber-based liquid-phase microextraction combined with on-line sweeping for trace analysis of Strychnos alkaloids in urine by micellar electrokinetic chromatography. 2007 , 1143, 270-5	50
1277	Stir bar sorptive extraction for trace analysis. 2007 , 1152, 54-69	396
1276	Recent developments in sample preparation techniques for chromatography analysis of traditional Chinese medicines. 2007 , 1153, 90-6	75
1275	Configurations and calibration methods for passive sampling techniques. 2007 , 1168, 226-35; discussion 225	92
1274	Sample preparation techniques for the determination of trace residues and contaminants in foods. 2007 , 1153, 36-53	283
1273	An aniline-based fiber coating for solid phase microextraction of polycyclic aromatic hydrocarbons from water followed by gas chromatography-mass spectrometry. 2007 , 1152, 168-74	112
1272	Reliability of fibres in solid-phase microextraction for routine analysis of the headspace of aromatic and medicinal plants. 2007 , 1152, 138-49	50
1271	Development of novel molecularly imprinted solid-phase microextraction fiber and its application for the determination of triazines in complicated samples coupled with high-performance liquid chromatography. 2007 , 1147, 1-9	167
1270	Analysis of carbamate and phenylurea pesticide residues in fruit juices by solid-phase microextraction and liquid chromatography-mass spectrometry. 2007 , 1147, 135-43	142
1269	Recent developments in headspace microextraction techniques for the analysis of environmental contaminants in different matrices. 2007 , 1152, 70-96	125
1268	Examination of analyte partitioning to monocationic and dicationic imidazolium-based ionic liquid aggregates using solid-phase microextraction-gas chromatography. 2007 , 1148, 92-9	40
1267	Sorptive tape extraction in the analysis of the volatile fraction emitted from biological solid matrices. 2007 , 1148, 137-44	47
1266	Determination of triazine herbicides in aqueous samples by dispersive liquid-liquid microextraction with gas chromatography-ion trap mass spectrometry. 2007 , 1161, 89-97	277
1265	Preparation and evaluation of hydroxylated poly(glycidyl methacrylate-co-ethylene dimethacrylate) monolithic capillary for in-tube solid-phase microextraction coupled to high-performance liquid chromatography. 2007 , 1160, 90-8	46
1264	Compound-specific carbon isotope analysis of volatile organic compounds in water using solid-phase microextraction. 2007 , 1163, 260-8	27
1263	Use of headspace solid-phase microextraction coupled to liquid chromatography for the analysis of polycyclic aromatic hydrocarbons in tea infusions. 2007 , 1164, 10-7	55
1262	Preparation and application of NiTi alloy coated with ZrO ₂ as a new fiber for solid-phase microextraction. 2007 , 1164, 18-24	67
1261	An experimental design approach to optimise the determination of polycyclic aromatic hydrocarbons from rainfall water using stir bar sorptive extraction and high performance liquid chromatography-fluorescence detection. 2007 , 1167, 143-53	79

1260	Solid-phase extraction combined with dispersive liquid-liquid microextraction-ultra pre-concentration of chlorophenols in aqueous samples. 2007 , 1169, 63-9	163
1259	Development of dispersive liquid-liquid microextraction combined with gas chromatography-mass spectrometry as a simple, rapid and highly sensitive method for the determination of phthalate esters in water samples. 2007 , 1172, 105-12	164
1258	Application of dispersive liquid-liquid microextraction for the analysis of organophosphorus pesticides in watermelon and cucumber. 2007 , 1175, 137-40	155
1257	Determination of organochlorine pesticides in water using solvent cooling assisted dynamic hollow-fiber-supported headspace liquid-phase microextraction. 2007 , 1176, 19-25	61
1256	Solid-phase microextraction-gas chromatographic-tandem mass spectrometric analysis of polycyclic aromatic hydrocarbons. Towards the European Union water directive 2006/0129 EC. 2007 , 1176, 48-56	70
1255	Solid-phase microextraction-gas chromatography-time-of-flight mass spectrometry utilized for the evaluation of the new-generation super elastic fiber assemblies. 2007 , 581, 221-31	67
1254	Determination of acrylamide in food by solid-phase microextraction coupled to gas chromatography-positive chemical ionization tandem mass spectrometry. 2007 , 582, 19-23	52
1253	The coupling of solid-phase microextraction/surface enhanced laser desorption/ionization to ion mobility spectrometry for drug analysis. 2007 , 582, 50-4	31
1252	A new liquid-phase microextraction method based on solidification of floating organic drop. 2007 , 585, 286-93	433
1251	The determination of organochlorine pesticides based on dynamic microwave-assisted extraction coupled with on-line solid-phase extraction of high-performance liquid chromatography. 2007 , 589, 239-46	41
1250	Sample handling strategies for the determination of persistent trace organic contaminants from biota samples. 2007 , 590, 1-16	87
1249	Multivariate pattern recognition of petroleum-based accelerants by solid-phase microextraction gas chromatography with flame ionization detection. 2007 , 589, 247-54	28
1248	Determination of 1,3-dichloro-2-propanol and 3-chloro-1,2-propandiol in soy sauce by headspace derivatization solid-phase microextraction combined with gas chromatography-mass spectrometry. 2007 , 591, 167-72	26
1247	Microwave-assisted headspace single-drop microextraction of chlorobenzenes from water samples. 2007 , 592, 9-15	54
1246	Application of NiTi alloy coated with ZrO ₂ as a new fiber for solid-phase microextraction for determination of halophenols in water samples. 2007 , 598, 254-60	57
1245	Theoretical analysis and experimental evaluation of headspace in-drop derivatisation single-drop microextraction using aldehydes as model analytes. 2007 , 599, 76-83	25
1244	A new approach for simultaneous determination of Co(II), Ni(II), Cu(II) and Pd(II) using 2-thiophenylaldehyde-3-thiosemicarbazone as reagent by solid phase microextraction-high performance liquid chromatography. 2007 , 603, 44-50	78
1243	Quantitative bioanalysis of quinine by atmospheric pressure-matrix assisted laser desorption/ionization mass spectrometry combined with dynamic drop-to-drop solvent microextraction. 2007 , 605, 153-8	35

1242	Determination of poly(dimethyl)siloxane-water partition coefficients for selected hydrophobic organic chemicals using ¹⁴ C-labeled analogs. 2007 , 1148, 23-30	19
1241	Simultaneous determination of pesticides, polycyclic aromatic hydrocarbons and polychlorinated biphenyls in seawater and interstitial marine water samples, using stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry. 2007 , 1170, 82-90	120
1240	Application of solid-phase microextraction to the analysis of volatile compounds in virgin olive oils from five new cultivars. 2007 , 102, 850-856	66
1239	Characterization of aroma potential of apricot varieties using different extraction techniques. 2007 , 105, 829-837	44
1238	Solid-phase microextraction for headspace analysis of key volatile compounds in orange beverage emulsion. 2007 , 105, 1659-1670	49
1237	A preliminary study of plant aroma profile characteristics by a combination sampling method coupled with GCMS. 2007 , 86, 29-36	29
1236	Headspace solid-phase micro-extraction and gas chromatography-ion trap tandem mass spectrometry method for butyltin analysis in sediments: Optimization and validation. 2007 , 87, 147-153	24
1235	Application of headspace SPME-GC-MS in characterisation of odorous volatile organic compounds emitted from magnetic tape coatings based on poly(urethane-ester) after natural and artificial ageing. 2007 , 26, 243-256	27
1234	Analysis of the volatile compounds in Ligusticum chuanxiong Hort. using HS-SPME-GC-MS. 2007 , 44, 464-70	60
1233	Miniaturized sample preparation needle: a versatile design for the rapid analysis of smoking-related compounds in hair and air samples. 2007 , 44, 1-7	46
1232	Determination of ochratoxin A in human urine by solid-phase microextraction coupled with liquid chromatography-fluorescence detection. 2007 , 44, 1014-8	16
1231	Comparison of solid-phase microextraction and liquid-liquid extraction in 96-well format for the determination of a drug compound in human plasma by liquid chromatography with tandem mass spectrometric detection. 2007 , 45, 599-608	34
1230	Impact of Ecological post-harvest processing on coffee aroma: II. Roasted coffee. 2007 , 20, 297-307	65
1229	SPME-HPLC: a new approach to the analysis of explosives. 2007 , 147, 691-7	49
1228	The analysis of estrone and 17beta-estradiol by stir bar sorptive extraction-thermal desorption-gas chromatography/mass spectrometry: application to urine samples after oral administration of conjugated equine estrogens. 2007 , 856, 156-64	44
1227	Delamination of multilayer packaging caused by exfoliating cream ingredients. 2007 , 20, 173-182	7
1226	Fast and direct screening of polyaromatic hydrocarbon (PAH)-contaminated sand using a miniaturized membrane inlet mass spectrometer (mini-MIMS). 2007 , 21, 1574-8	24
1225	Single drop microextraction as a concentrating probe for rapid screening of low molecular weight drugs from human urine in atmospheric-pressure matrix-assisted laser desorption/ionization mass spectrometry. 2007 , 21, 3103-8	33

1224	Drop-to-drop solvent microextraction coupled with gas chromatography/mass spectrometry for rapid determination of trimeprazine in urine and blood of rats: application to pharmacokinetic studies. 2007 , 21, 3352-6	27
1223	Build-up of carboxylic acids in polyethylene and their relation to off-flavor and carbonyl index. 2007 , 45, 1848-1859	2
1222	Analysis of the headspace volatiles of freshly brewed arabica coffee using solid-phase microextraction. 2007 , 72, C388-96	48
1221	Characterisation of the volatiles of yellowfin tuna (<i>Thunnus albacares</i>) during storage by solid phase microextraction and GCMS and their relationship to fish quality parameters. 2007 , 42, 1139-1147	50
1220	Comparative study of volatile compounds in traditional Chinese Nanjing marinated duck by different extraction techniques. 2007 , 42, 543-550	31
1219	Sampling volatile compounds from natural products with headspace/solid-phase micro-extraction. 2007 , 70, 235-42	64
1218	Developments in multiple headspace extraction. 2007 , 70, 229-33	43
1217	Liquid-phase micro-extraction techniques in pesticide residue analysis. 2007 , 70, 195-228	209
1216	Honest signalling through chemicals by elephants with applications for care and conservation. 2007 , 102, 344-363	26
1215	An experimentally based approach for predicting skin permeability of chemicals and drugs using a membrane-coated fiber array. 2007 , 221, 320-8	24
1214	Use of solid-phase microextraction as a sampling technique for the characterization of volatile compounds emitted from Chinese daffodil flowers. 2007 , 62, 674-679	18
1213	Bacterial volatiles: the smell of small organisms. 2007 , 24, 814-42	636
1212	Determination of Some Beer Flavours by Stir Bar Sorptive Extraction and Solvent Back Extraction. 2007 , 113, 154-158	14
1211	Application of Solid-Phase Micro-Extraction (SPME) for Determining Residues of Chlorpyrifos and Chlorpyrifos-Methyl in Wine with Gas Chromatography (GC). 2007 , 113, 213-218	6
1210	Chapter 1 Theory of solid phase microextraction and its application in passive sampling. 2007 , 3-32	5
1209	Headspace SPME-GC Method for Acetone Analysis and its Biomedical Application. 2007 , 66, 383-387	14
1208	Simultaneous Determination of Phytohormones in Plant Extracts using SPME and HPLC. 2007 , 66, 515-520	77
1207	Micellar solid-phase microextraction for determining partition coefficients of substituted polycyclic aromatic hydrocarbons in micellar media: possible prediction of hydrocarbon-micelle behaviour. 2007 , 387, 2271-81	5

1206	Nonequilibrium hollow-fiber liquid-phase microextraction with in situ derivatization for the measurement of triclosan in aqueous samples by gas chromatography-mass spectrometry. 2007 , 387, 2911-5	42
1205	Accurate quantification of freely dissolved organochlorine pesticides in water in the presence of dissolved organic matter using triolein-embedded cellulose acetate membrane. 2007 , 387, 2871-9	15
1204	Sensitive determination of nitric oxide in some rat tissues using polymer monolith microextraction coupled to high-performance liquid chromatography with fluorescence detection. 2007 , 388, 939-46	14
1203	Application of solid-phase microextraction in analytical toxicology. 2007 , 388, 1393-414	154
1202	Foreign-language skills in rove-beetles? Evidence for chemical mimicry of ant alarm pheromones in myrmecophilous Pella beetles (Coleoptera: Staphylinidae). 2007 , 33, 1382-92	38
1201	Discrimination of eight varieties of apricot (<i>Prunus armeniaca</i>) by electronic nose, LLE and SPME using GCMS and multivariate analysis. 2007 , 125, 415-421	47
1200	Determination of clenbuterol in human urine and serum by solid-phase microextraction coupled to liquid chromatography. 2008 , 47, 641-5	58
1199	Micro gas analyzers for environmental and medical applications. 2008 , 619, 143-56	79
1198	Seed essential oil analysis of <i>Bunium persicum</i> by hydrodistillation-headspace solvent microextraction. 2008 , 44, 111-113	9
1197	Solid-phase microextraction method for in vivo measurement of allelochemical uptake. 2008 , 34, 70-5	33
1196	Hydrocarbon signals explain the pattern of worker and egg policing in the ant <i>Aphaenogaster cockerelli</i> . 2008 , 34, 1275-82	35
1195	Rapid determination of amide herbicides in environmental water samples with dispersive liquid-liquid microextraction prior to gas chromatography-mass spectrometry. 2008 , 391, 2915-21	44
1194	Analysis of captan, folpet, and captafol in apples by dispersive liquid-liquid microextraction combined with gas chromatography. 2008 , 392, 749-54	68
1193	Determination of ethanol in ionic liquids using headspace solid-phase microextraction-gas chromatography. 2008 , 392, 1271-5	7
1192	Determination of organophosphorus pesticides in pakchoi samples by headspace solid-phase microextraction coupled with gas chromatography using home-made fiber. 2008 , 226, 1091-1098	15
1191	Application of solid phase extraction techniques to analyse volatile compounds in wines and other enological products. 2008 , 228, 1-18	61
1190	Analysis of amphetamine, methamphetamine, methylenedioxyamphetamine and methylenedioxymethamphetamine in whole blood using in-matrix ethyl chloroformate derivatization and automated headspace solid-phase microextraction followed by GC-MS. 2008 , 26, 66-70	26
1189	Selenium analysis in water samples by dispersive liquid-liquid microextraction based on piarselenol formation and GC/CD. 2008 , 163, 243-249	74

1188	Determining the chemical activity of hydrophobic organic compounds in soil using polymer coated vials. 2008 , 2, 8	73
1187	Investigation of volatile biomarkers in liver cancer blood using solid-phase microextraction and gas chromatography/mass spectrometry. 2008 , 22, 1181-6	100
1186	Geographical traceability of Italian white truffle (<i>Tuber magnatum</i> Pico) by the analysis of volatile organic compounds. 2008 , 22, 3147-53	55
1185	Solid-phase microextraction for determining twelve orange flavour compounds in a model beverage emulsion. 2008 , 19, 429-37	4
1184	Study of the volatile composition of tomato during storage by a combination sampling method coupled with gas chromatography/mass spectrometry. 2008 , 88, 116-124	17
1183	Study of the volatile profile characteristics of longan during storage by a combination sampling method coupled with GC/MS. 2008 , 88, 1035-1042	19
1182	Optimisation of the headspace-solid phase microextraction for organomercury and organotin compound determination in sediment and biota. 2008 , 31, 768-74	20
1181	Volatile flavour constituent patterns of Terras Madeirenses red wines extracted by dynamic headspace solid-phase microextraction. 2008 , 31, 1841-50	18
1180	Dynamic liquid phase nanoextraction coupled to GC/MS for rapid analysis of methoxyacetophenone and anisaldehyde isomers in urine. 2008 , 31, 2295-302	6
1179	Hyphenation in sample preparation: advancement from the micro to the nano world. 2008 , 31, 2040-53	98
1178	A novel HS-SBSE system coupled with gas chromatography and mass spectrometry for the analysis of organochlorine pesticides in water samples. 2008 , 31, 3630-7	20
1177	Kinetic study of 2-furaldehyde, 3-furaldehyde, and 5-methyl-2-furaldehyde reactions initiated by Cl atoms. 2008 , 40, 670-678	12
1176	Determination of Polybrominated Diphenyl Ethers in Water Samples by Headspace Solid-Phase Microextraction. 2008 , 26, 1251-1256	17
1175	Characterization of atmospheric particulate: relationship between chemical composition, size, and emission source. 2008 , 1, 110-7	8
1174	Application of capillary electrophoresis-mass spectrometry for determining organic food contaminants and residues. 2008 , 29, 2059-78	45
1173	Hand-portable gas chromatograph-toroidal ion trap mass spectrometer (GC-TMS) for detection of hazardous compounds. 2008 , 19, 1425-34	204
1172	Determination of tramadol in human plasma and urine samples using liquid phase microextraction with back extraction combined with high performance liquid chromatography. 2008 , 863, 229-34	39
1171	Laboratory inter-comparison of dissolved dimethyl sulphide (DMS) measurements using purge-and-trap and solid-phase microextraction techniques during a mesocosm experiment. 2008 , 108, 32-39	22

1170	SPME-GC determination of potential volatile organic leachables in aqueous-based pharmaceutical formulations packaged in overwrapped LDPE vials. 2008 , 47, 526-34	11
1169	Analysis of volatile compounds in five jackfruit (<i>Artocarpus heterophyllus</i> L.) cultivars using solid-phase microextraction (SPME) and gas chromatography-time-of-flight mass spectrometry (GC-TOFMS). 2008 , 21, 416-422	37
1168	Enrichment sampling methods for wine discrimination with gas sensors. 2008 , 21, 716-723	35
1167	Extraction and determination of organophosphorus pesticides in water samples by a new liquid phase microextraction-gas chromatography-flame photometric detection. 2008 , 606, 202-8	131
1166	A review on development of solid phase microextraction fibers by sol-gel methods and their applications. 2008 , 610, 1-14	256
1165	In situ fabrication of nanostructured titania coating on the surface of titanium wire: A new approach for preparation of solid-phase microextraction fiber. 2008 , 611, 56-61	87
1164	Cold-induced aggregation microextraction: a novel sample preparation technique based on ionic liquids. 2008 , 613, 56-63	204
1163	A novel liquid-phase microextraction method combined with high performance liquid chromatography for analysis of phthalate esters in landfill leachates. 2008 , 616, 42-8	57
1162	Faster and simpler determination of chlorophenols in water by fiber introduction mass spectrometry. 2008 , 620, 97-102	11
1161	A novel separation/preconcentration system based on solidification of floating organic drop microextraction for determination of lead by graphite furnace atomic absorption spectrometry. 2008 , 623, 163-7	105
1160	Environmental and bioanalytical applications of hollow fiber membrane liquid-phase microextraction: a review. 2008 , 624, 253-68	352
1159	Development of liquid phase microextraction method based on solidification of floated organic drop for extraction and preconcentration of organochlorine pesticides in water samples. 2008 , 626, 166-73	67
1158	Optimization of headspace solid-phase microextraction for analysis of ethyl carbamate in alcoholic beverages using a face-centered cube central composite design. 2008 , 627, 212-8	48
1157	A critical review in calibration methods for solid-phase microextraction. 2008 , 627, 184-97	233
1156	Determination of trihalomethanes in water samples: a review. 2008 , 629, 6-23	72
1155	Preparation of PDMS-coated microspheres by sol-gel method for sorptive extraction of PAHs. 2008 , 19, 996-999	2
1154	Headspace sampling of the volatile fraction of vegetable matrices. 2008 , 1184, 220-33	116
1153	Liquid-phase microextraction with porous hollow fibers, a miniaturized and highly flexible format for liquid-liquid extraction. 2008 , 1184, 132-42	415

1152	Sample preparation. 2008 , 1184, 191-219	252
1151	Quantification of fenitrothion and its main metabolites in poplar leaves by isotope dilution gas chromatography-mass spectrometry coupled with solid-phase microextraction. 2008 , 1177, 170-4	15
1150	Temperature-controlled ionic liquid dispersive liquid phase micro-extraction. 2008 , 1177, 43-9	281
1149	Analysis of benzene, toluene, ethylbenzene, xylenes and n-aldehydes in melted snow water via solid-phase dynamic extraction combined with gas chromatography/mass spectrometry. 2008 , 1178, 178-86	67
1148	Identification and determination of mainstream and sidestream smoke components in different brands and types of cigarettes by means of solid-phase microextraction-gas chromatography-mass spectrometry. 2008 , 1180, 138-50	65
1147	Simultaneous derivatization and extraction of amphetamine and methylenedioxyamphetamine in urine with headspace liquid-phase microextraction followed by gas chromatography-mass spectrometry. 2008 , 1185, 19-22	41
1146	Determination of ochratoxin A in green coffee beans by solid-phase microextraction and liquid chromatography with fluorescence detection. 2008 , 1187, 145-50	38
1145	Application of solid-phase microextraction for determination of pyrethroids in groundwater using liquid chromatography with post-column photochemically induced fluorimetry derivatization and fluorescence detection. 2008 , 1188, 61-8	53
1144	Application of linear solvation energy relationships to a custom-made polyaniline solid-phase microextraction fiber and three commercial fibers. 2008 , 1188, 108-17	8
1143	Comparison of microdialysis with solid-phase microextraction for in vitro and in vivo studies. 2008 , 1196-1197, 46-56	23
1142	Solid-phase microextraction method for the determination of volatile compounds associated to oxidation of fish muscle. 2008 , 1192, 9-16	162
1141	Analysis of tetramethylene disulfotetramine in foods using solid-phase microextraction-gas chromatography-mass spectrometry. 2008 , 1192, 36-40	30
1140	Novel approach to microwave-assisted extraction and micro-solid-phase extraction from soil using graphite fibers as sorbent. 2008 , 1192, 203-7	84
1139	Automated extraction and preconcentration of multiresidue of pesticides on a micro-solid-phase extraction system based on polypyrrole as sorbent and off-line monitoring by gas chromatography-flame ionization detection. 2008 , 1193, 26-31	48
1138	Homogeneous liquid-liquid extraction for preconcentration of polycyclic aromatic hydrocarbons using a water/methanol/chloroform ternary component system. 2008 , 1196-1197, 133-8	59
1137	Preparation, characterization and analytical application of a hybrid organic-inorganic silica-based monolith. 2008 , 1195, 78-84	66
1136	Dispersive liquid-liquid microextraction combined with semi-automated in-syringe back extraction as a new approach for the sample preparation of ionizable organic compounds prior to liquid chromatography. 2008 , 1198-1199, 1-6	70
1135	Determination of free medium-chain fatty acids in beer by stir bar sorptive extraction. 2008 , 1196-1197, 96-9	41

1134	Polythiophene as a novel fiber coating for solid-phase microextraction. 2008 , 1198-1199, 7-13	52
1133	Determination of anethole in serum samples by headspace solid-phase microextraction-gas chromatography-mass spectrometry for congener analysis. 2008 , 1200, 235-41	30
1132	Development of relatively selective, chemically and mechanically robust solid-phase microextraction fibers based on methacrylic acid-trimethylolpropanetrimethacrylate co-polymers. 2008 , 1208, 34-41	25
1131	Polymeric ionic liquids as selective coatings for the extraction of esters using solid-phase microextraction. 2008 , 1208, 1-9	204
1130	Extraction of amphetamines and methylenedioxyamphetamines from urine using a monolithic silica disk-packed spin column and high-performance liquid chromatography-diode array detection. 2008 , 1208, 71-5	60
1129	Mercury speciation and analysis in drinking water by stir bar sorptive extraction with in situ propyl derivatization and thermal desorption-gas chromatography-mass spectrometry. 2008 , 1209, 267-70	36
1128	Ionic liquid supported three-phase liquid-liquid-liquid microextraction as a sample preparation technique for aliphatic and aromatic hydrocarbons prior to gas chromatography-mass spectrometry. 2008 , 1210, 19-24	66
1127	Speciation of butyltin compounds in environmental and biological samples using headspace single drop microextraction coupled with gas chromatography-inductively coupled plasma mass spectrometry. 2008 , 1211, 135-41	71
1126	Coupling the extraction efficiency of imidazolium-based ionic liquid aggregates with solid-phase microextraction-gas chromatography-mass spectrometry. Application to polycyclic aromatic hydrocarbons in a certified reference sediment. 2008 , 1214, 23-9	30
1125	Determination of halophenolic wood preservative traces in milk using headspace solid-phase microextraction and gas chromatography-mass spectrometry. 2008 , 1215, 1-7	12
1124	Simultaneous speciation of methylmercury and butyltin species in environmental samples by headspace-stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry. 2008 , 1185, 130-8	55
1123	First results on headspace-solid phase microextraction-gas chromatography/mass spectrometry of volatile organic compounds emitted by wax objects in museums. 2008 , 1187, 239-49	35
1122	Preparation and evaluation of solid-phase microextraction fiber based on molecularly imprinted polymers for trace analysis of tetracyclines in complicated samples. 2008 , 1188, 97-107	183
1121	Extraction of formic and acetic acids from aqueous solution by dynamic headspace-needle trap extraction temperature and pH optimization. 2008 , 1201, 228-34	68
1120	Ultrasound-assisted emulsification-microextraction of emergent contaminants and pesticides in environmental waters. 2008 , 1190, 27-38	482
1119	Sample preparation optimization in wine and grapes. Dilution and sample/headspace volume equilibrium theory for headspace solid-phase microextraction. 2008 , 1192, 25-35	19
1118	Comparison of thin-film microextraction and stir bar sorptive extraction for the analysis of polycyclic aromatic hydrocarbons in aqueous samples with controlled agitation conditions. 2008 , 1196-1197, 89-95	100
1117	Sol-gel methyl coating in capillary microextraction hyphenated on-line with high-performance liquid chromatography Counterintuitive extraction behavior for polar analytes. 2008 , 1200, 62-71	27

1116	On-line microdialysis-nano-Au/TiO ₂ -high-performance liquid chromatography system for the simultaneous determination of cobalt and nickel in water. 2008 , 1201, 202-7	17
1115	Sequential stir bar sorptive extraction for uniform enrichment of trace amounts of organic pollutants in water samples. 2008 , 1200, 72-9	71
1114	Automated high-throughput method using solid-phase microextraction-liquid chromatography-tandem mass spectrometry for the determination of ochratoxin A in human urine. 2008 , 1201, 215-21	78
1113	Optimization and validation of headspace sorptive extraction for the analysis of volatile compounds in wine vinegars. 2008 , 1204, 93-103	52
1112	Solvent-resistant sol-gel polydimethyldiphenylsiloxane coating for on-line hyphenation of capillary microextraction with high-performance liquid chromatography. 2008 , 1205, 26-35	23
1111	Partitioned dispersive liquid-liquid microextraction: an approach for polar organic compounds extraction from aqueous samples. 2008 , 1207, 24-8	67
1110	Aroma profiles of five basil (<i>Ocimum basilicum</i> L.) cultivars grown under conventional and organic conditions. 2008 , 107, 464-472	101
1109	Solid-phase microextraction of N-nitrosodimethylamine in beer. 2008 , 107, 1348-1352	35
1108	Comparison of headspace-SPME-GCMS and LCMS for the detection and quantification of coumarin, vanillin, and ethyl vanillin in vanilla extract products. 2008 , 107, 1701-1709	55
1107	Analysis of volatile compounds in traditional smoke-cured bacon(CSCB) with different fiber coatings using SPME. 2008 , 110, 233-8	80
1106	Solid phase microextraction as a methodology in the detection of irradiation markers in ground beef. 2008 , 110, 531-7	22
1105	Comparative study on volatile compounds from Tunisian and Sicilian monovarietal virgin olive oils. 2008 , 111, 322-8	91
1104	Suitability of a Novel Circulating Cooling SPME for Analysis of Organophosphorous Pesticides in Tomatoes. 2008 , 67, 309-313	13
1103	Determination of Antioxidants and Preservatives in Cosmetics by SPME Combined with GCMS. 2008 , 67, 425-431	45
1102	Determination of BTEX in Water Samples with an SPME Hollow Fiber Coated Copper Wire. 2008 , 68, 443-446	22
1101	Determination of Volatile Chemical Constitutes in Tea by Simultaneous Distillation Extraction, Vacuum Hydrodistillation and Thermal Desorption. 2008 , 68, 603-610	47
1100	Methods of Analysis for Triazine Herbicides and Their Metabolites. 2008 , 243-274	3
1099	A solid-phase microextraction method for the detection of ignitable liquids in fire debris. 2008 , 53, 668-76	10

1098	Characterization of headspace aroma compounds of freshly brewed arabica coffees and studies on a characteristic aroma compound of Ethiopian coffee. 2008 , 73, C335-46		52
1097	Soybean variety and storage effects on soymilk flavour and quality. 2008 , 43, 82-90		18
1096	Chemical characterization of the constituents of the aroma of honeybush, <i>Cyclopia genistoides</i> . 2008 , 74, 139-143		24
1095	Quantitative Determination of Volatiles in Polymers and Quality Control of Recycled Materials by Static Headspace Techniques. 2007 , 51-84		8
1094	A comprehensive review on vanilla flavor: extraction, isolation and quantification of vanillin and others constituents. 2008 , 59, 299-326		217
1093	Development of a low-cost method of analysis for the qualitative and quantitative analysis of butyltins in environmental samples. 2008 , 43, 1744-51		10
1092	Automation of solid-phase microextraction in high-throughput format and applications to drug analysis. <i>Analytical Chemistry</i> , 2008 , 80, 6870-80	7.8	103
1091	Volatile sulphur compounds in UHT milk. 2009 , 49, 28-47		66
1090	Ethyl Carbamate (Urethane). 283-319		
1089	Biomedical sampling. 2008 , 37-59		2
1088	Comparison of efficiencies between single-drop microextraction and continuous-flow microextraction for the determination of methomyl in natural waters. 2008 , 88, 397-408		7
1087	Analysis of Mono- and Polycyclic Aromatic Hydrocarbons Using Solid-Phase Microextraction: State-of-the-Art. 2008 , 22, 1425-1438		32
1086	Microwave processing of avocado: Volatile flavor profiling and olfactometry. 2008 , 9, 501-506		25
1085	Determination of volatile metabolites originating from mould growth on wall paper and synthetic media. 2008 , 75, 182-7		64
1084	Distinction and identification of lignins based on their volatile headspace composition. 2008 , 75, 594-7		7
1083	Development of an SPME-GC-MS/MS procedure for the monitoring of 2-phenoxyethanol in anaesthetised fish. 2008 , 75, 1082-8		13
1082	Determination of Hg and organomercury species following SPME: a review. 2008 , 77, 21-7		55
1081	Quantitative Structure-Retention relationship study of the constituents of saffron aroma in SPME-GC-MS based on the projection pursuit regression method. 2008 , 77, 360-5		29

1080	Solid Phase Microextraction for Analysis of Polymer Degradation Products and Additives. 2007 , 23-50	21
1079	Location, acceptance and suitability of lepidopteran stemborers feeding on a cultivated and wild host-plant to the endoparasitoid <i>Cotesia flavipes</i> Cameron (Hymenoptera: Braconidae). 2008 , 45, 36-47	15
1078	Determination of trace triazine and chloroacetamide herbicides in tile-fed drainage ditch water using solid-phase microextraction coupled with GC-MS. 2008 , 152, 239-44	55
1077	Immersed solid phase microextraction to measure chemical activity of lipophilic organic contaminants in fatty tissue samples. 2008 , 71, 1502-10	38
1076	Uptake of PAHs into polyoxymethylene and application to oil-soot (lampblack)-impacted soil samples. 2008 , 72, 272-81	21
1075	Equilibrium sampling: partitioning of organochlorine compounds from lipids into polydimethylsiloxane. 2008 , 73, 1575-81	71
1074	Detection of mastitis pathogens by analysis of volatile bacterial metabolites. 2008 , 91, 3834-9	55
1073	Standard-free kinetic calibration for rapid on-site analysis by solid-phase microextraction. 2008 , 31, 1167-72	45
1072	Determination of diuretics in human urine by hollow fiber-based liquid-liquid-liquid microextraction coupled to high performance liquid chromatography. 2008 , 133, 1187-94	20
1071	Quantification of chemical mixture interactions modulating dermal absorption using a multiple membrane fiber array. 2008 , 21, 591-9	14
1070	Analysis of volatiles in Pinotage wines by stir bar sorptive extraction and chemometric profiling. 2008 , 56, 10225-36	28
1069	Solid-phase microextraction (SPME) as a tool to predict the bioavailability and toxicity of pyrene to the springtail, <i>Folsomia candida</i> , under various soil conditions. 2008 , 42, 1332-6	51
1068	Recent Advances in Headspace Gas Chromatography. 2008 , 31, 1823-1851	26
1067	Determination of metolcarb and diethofencarb in apples and apple juice by solid-phase microextraction-high performance liquid chromatography. 2008 , 46, 751-6	11
1066	Vapor-phase infrared laser spectroscopy: from gas sensing to forensic urinalysis. <i>Analytical Chemistry</i> , 2008 , 80, 5334-41	7.8 12
1065	Mice recognize recent urine scent marks by the molecular composition. 2008 , 33, 655-63	15
1064	The analysis of healthy volunteers' exhaled breath by the use of solid-phase microextraction and GC-MS. 2008 , 2, 046006	106
1063	Chapter 3 Amphetamines. 2008 , 127-174	1

1062	A GC-MS study of the volatile organic composition of straw and oyster mushrooms during maturity and its relation to antioxidant activity. 2008 , 46, 690-6	27
1061	Sample Handling of Pesticides in Food and Environmental Samples. 2008 ,	
1060	Solid phase microextraction fibers coated with sol-gel aminopropylsilica/polydimethylsiloxane: development and its application to screening of beer headspace. 2008 , 24, 1141-6	10
1059	Microextraction Methods in Food Analysis. 2008 ,	
1058	. 2008 ,	5
1057	Simultaneous Determination of Some Phenothiazine Derivatives in Human Blood by Headspace Solid-Phase Microextraction and Gas Chromatography with Nitrogen-Phosphorus Detection. 2008 , 91, 1354-1362	6
1056	Determination of Norfloxacin and Enrofloxacin by Solid-Phase Microextraction/High-Performance Liquid Chromatography. 2008 , 91, 1339-1343	5
1055	Chemical characterization of volatile organic compounds on animal farms. 2008 , 53, 641-651	22
1054	. 2008 ,	14
1053	. 2009 ,	113
1052	The usefulness of total concentrations and pore water concentrations of pesticides in soil as metrics for the assessment of ecotoxicological effects - Scientific Opinion of the Panel on Plant Protection Products and their Residues (PPR). 2009 , 7,	2
1051	Disappearance of nine monoterpenes exposed in vitro to the rumen microflora of dairy goats: effects of inoculum source, redox potential, and vancomycin. 2009 , 87, 1366-73	18
1050	Analysis of Pyrimethanil, Metalaxyl, Dichlofluanid, and Penconazol in Must and Wine from Red Grapes by Solid-Phase Extraction and Gas Chromatography. 2009 , 42, 1761-1783	5
1049	Investigation of Mold Growth in Indoor School Buildings by Monitoring Outgassed Methyl Benzoate as a MVOC Biomarker. 2009 , 18, 257-264	7
1048	Volatile phytochemical composition of rhizome of ginger after extraction by headspace solid-phase microextraction, petrol ether extraction and steam distillation extraction. 2009 , 4,	12
1047	Solid-Phase Microextraction Coupled to Gas Chromatography-Mass Spectrometry for the Analysis of Famoxadone in Wines, Fruits, and Vegetables. 2009 , 42, 320-326	9
1046	Determination of chlorinated organic compounds in aqueous matrices. 2009 , 58, 405-415	
1045	Solid-phase micro-extraction (SPME) in the early detection of potentially active volatile compounds from organic wastes used for the management of soil-borne pathogens. 2009 , 44, 1004-10	3

1044	Study of the alarming volatile characteristics of <i>Tessarotoma papillosa</i> using SPME-GC-MS. 2009 , 47, 291-6	10
1043	Refrigerated sorptive extraction: determination of BTEX in water samples. 2009 , 47, 812-6	1
1042	Degradation of C2-C15 volatile organic compounds in a landfill cover soil. 2009 , 407, 4513-25	38
1041	International Pellet Watch: global monitoring of persistent organic pollutants (POPs) in coastal waters. 1. Initial phase data on PCBs, DDTs, and HCHs. 2009 , 58, 1437-46	429
1040	Noninvasive detection of lung cancer by analysis of exhaled breath. 2009 , 9, 348	389
1039	Direct chiral analysis of primary amine drugs in human urine by single drop microextraction in-line coupled to CE. 2009 , 30, 2905-11	36
1038	In vitro degradation by mixed rumen bacteria of 17 mono- and sesquiterpenes typical of winter and spring diets of goats on Basilicata rangelands (southern Italy). 2009 , 89, 531-536	10
1037	Liquid-phase microextraction by solidification of floating organic microdrop and GC-MS detection of trihalomethanes in drinking water. 2009 , 32, 314-20	23
1036	Rapid determination of bisphenol A in drinking water using dispersive liquid-phase microextraction with in situ derivatization prior to GC-MS. 2009 , 32, 154-9	38
1035	Application of continual injection liquid-phase microextraction method coupled with liquid chromatography to the analysis of organophosphorus pesticides. 2009 , 32, 623-9	11
1034	Hybrid silica polymeric monolith-based in-tube microextraction and CE for determination of bisphenol A in beverages. 2009 , 32, 2759-66	27
1033	Preparation and characterization of microporous fibers for sample preparation and LC-MS determination of drugs. 2009 , 32, 2448-54	21
1032	Dispersive liquid-liquid microextraction using extraction solvent lighter than water. 2009 , 32, 3191-200	172
1031	Preparation of a poly(N-isopropylacrylamide-co-ethylene dimethacrylate) monolithic capillary and its application for in-tube solid-phase microextraction coupled to high-performance liquid chromatography. 2009 , 32, 2592-600	46
1030	Molecularly imprinted polymers for solid-phase microextraction. 2009 , 32, 3278-84	74
1029	Sequential stir bar extraction, thermal desorption and retention time locked GC-MS for determination of pesticides in water. 2009 , 32, 3449-56	24
1028	Temperature-controlled ionic liquid-dispersive liquid-phase microextraction for preconcentration of chlorotoluron, diethofencarb and chlorbenzuron in water samples. 2009 , 32, 3945-50	31
1027	Microextraction by packed sorbent coupled with gas chromatography-mass spectrometry: application to the determination of metabolites of monoterpenes in small volumes of human urine. 2009 , 166, 109-114	32

1026	A method by homemade OH/TSO-PMHS fibre solid-phase microextraction coupling with gas chromatography-mass spectrometry for analysis of antiestrogens in biological matrices. 2009 , 631, 47-53	35
1025	Application of solid-phase microextraction for the determination of organophosphorus pesticides in textiles by gas chromatography with mass spectrometry. 2009 , 650, 202-6	40
1024	A review of current trends and advances in modern bio-analytical methods: chromatography and sample preparation. 2009 , 656, 8-35	433
1023	Analysis of organic volatile residues in 9 mm spent cartridges. 2009 , 186, 29-35	44
1022	In situ silicone tube microextraction: a new method for undisturbed sampling of root-exuded thiophenes from marigold (<i>Tagetes erecta</i> L.) in soil. 2009 , 35, 1279-87	45
1021	Behavioral and Chemical Correlates of Long-Term Queen Adoption in the Facultative Polygynous Ant <i>Ectatomma tuberculatum</i> . 2009 , 22, 362-374	5
1020	Determination of total and available fractions of PAHs by SPME in oily wastewaters: overcoming interference from NAPL and NOM. 2009 , 16, 671-8	21
1019	Analysis of biological samples using solid-phase microextraction. 2009 , 1, 35-55	10
1018	Critical review on recent developments in solventless techniques for extraction of analytes. 2009 , 393, 809-33	242
1017	Determination of fifteen active compounds released from paraffin-based active packaging in tomato samples via microextraction techniques. 2009 , 395, 203-11	13
1016	SPME followed by GC/MS: a powerful technique for qualitative analysis of honey volatiles. 2009 , 228, 579-590	61
1015	Headspace solid-phase microextraction-gas chromatography-mass spectrometry analysis of the volatile components of longan (<i>Dimocarpus longan</i> Lour.). 2009 , 229, 457-465	19
1014	Comparison of tarsal and cuticular chemistry in the leaf beetle <i>Gastrophysa viridula</i> (Coleoptera: Chrysomelidae) and an evaluation of solid-phase microextraction and solvent extraction techniques. 2009 , 19, 185-193	45
1013	Determination of cosmetic ingredients causing extrusion-coated and adhesive joint multilayer packaging delamination. 2009 , 22, 415-429	5
1012	Application of Computational Chemistry in Characterization of Solid Phase Microextraction Fibers for Selective Sorption of Drugs. 2009 , 28, 1255-1262	1
1011	Volatile compounds from the fruiting bodies of three <i>Hygrophorus</i> mushroom species from Northern Greece. 2009 , 44, 854-859	20
1010	Developments of Dispersive Liquid-Liquid Microextraction Technique. 2009 , 37, 161-168	150
1009	Application of single-drop microextraction coupled with gas chromatography for the determination of multiclass pesticides in vegetables with nitrogen phosphorus and electron capture detection. 2009 , 1216, 2789-97	54

1008	Simple and commercial readily-available approach for the direct use of ionic liquid-based single-drop microextraction prior to gas chromatography determination of chlorobenzenes in real water samples as model analytical application. 2009 , 1216, 1290-5	104
1007	Automated polyvinylidene difluoride hollow fiber liquid-phase microextraction of flunitrazepam in plasma and urine samples for gas chromatography/tandem mass spectrometry. 2009 , 1216, 2241-7	52
1006	Freely dissolved concentrations of anionic surfactants in seawater solutions: optimization of the non-depletive solid-phase microextraction method and application to linear alkylbenzene sulfonates. 2009 , 1216, 2996-3002	31
1005	Identification of 2-dodecylcyclobutanone and linear-alkanes as irradiation markers in sliced dry-cured ham. 2009 , 113, 616-620	16
1004	Characterising the release of flavour compounds from chewing gum through HS-SPME analysis and mathematical modelling. 2009 , 114, 852-858	26
1003	Volatiles of grape berries evaluated at the germplasm level by headspace-SPME with GC/MS. 2009 , 114, 1106-1114	76
1002	Study on the volatile profile characteristics of oyster <i>Crassostrea gigas</i> during storage by a combination sampling method coupled with GC/MS. 2009 , 115, 1150-1157	36
1001	Headspace volatiles contributing to flavour and consumer liking of wellness beverages. 2009 , 115, 843-851	10
1000	Automation of in-tip solid-phase microextraction in 96-well format for the determination of a model drug compound in human plasma by liquid chromatography with tandem mass spectrometric detection. 2009 , 877, 415-20	36
999	Solid-phase microextraction using poly(pyrrole) film and liquid chromatography with UV detection for analysis of antidepressants in plasma samples. 2009 , 877, 587-93	65
998	Single-walled carbon nanotubes as an effective adsorbent in solid-phase microextraction of low level methyl tert-butyl ether, ethyl tert-butyl ether and methyl tert-amyl ether from human urine. 2009 , 877, 1568-74	70
997	Kinetics and mechanism of the tropospheric reaction of tetrahydropyran with Cl atoms. 2009 , 208, 186-194	20
996	Miniaturized preconcentration methods based on liquid-liquid extraction and their application in inorganic ultratrace analysis and speciation: A review. 2009 , 64, 1-15	317
995	Optimization of a single-drop microextraction method for multielemental determination by electrothermal vaporization inductively coupled plasma mass spectrometry following in situ vapor generation. 2009 , 64, 208-214	52
994	Chemical reactions in liquid-phase microextraction. 2009 , 1216, 701-7	80
993	Rapid determination of ethylene oxide with fiber-packed sample preparation needle. 2009 , 1216, 2848-53	38
992	Developments on chemometric approaches to optimize and evaluate microextraction. 2009 , 1216, 175-89	158
991	Preparation and evaluation of propranolol molecularly imprinted solid-phase microextraction fiber for trace analysis of beta-blockers in urine and plasma samples. 2009 , 1216, 190-7	125

990	Application of response surface method for optimization of dispersive liquid-liquid microextraction of water-soluble components of <i>Rosa damascena</i> Mill. essential oil. 2009 , 1216, 198-204	67
989	Carbon nanotubes as the sorbent for integrating micro-solid phase extraction within the needle of a syringe. 2009 , 1216, 2270-4	64
988	Liquid-phase deposition of silica nanoparticles into a capillary for in-tube solid-phase microextraction coupled with high-performance liquid chromatography. 2009 , 1216, 2989-95	42
987	Multi-residue off-flavour profiling in wine using stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry. 2009 , 1216, 3318-27	65
986	Single fiber-in-capillary annular column for gas chromatographic separation. 2009 , 1216, 3343-8	3
985	Direct monitoring of ochratoxin A in cheese with solid-phase microextraction coupled to liquid chromatography-tandem mass spectrometry. 2009 , 1216, 7505-9	46
984	Novel multiwalled carbon nanotubes-polyaniline composite film coated platinum wire for headspace solid-phase microextraction and gas chromatographic determination of phenolic compounds. 2009 , 1216, 3751-7	120
983	Ultra-high-stability, pH-resistant sol-gel titania poly(tetrahydrofuran) coating for capillary microextraction on-line coupled to high-performance liquid chromatography. 2009 , 1216, 4329-38	40
982	Development of vial wall sorptive extraction and its application to determination of progesterone in human serum. 2009 , 1216, 7553-7	6
981	Carbon nanotube-coated solid-phase microextraction metal fiber based on sol-gel technique. 2009 , 1216, 4641-7	103
980	Dispersive liquid-liquid microextraction with little solvent consumption combined with gas chromatography-mass spectrometry for the pretreatment of organochlorine pesticides in aqueous samples. 2009 , 1216, 5171-5	85
979	Ionic liquid-mediated sol-gel coatings for capillary microextraction. 2009 , 1216, 5449-58	61
978	Determining the stoichiometry and binding constants of inclusion complexes formed between aromatic compounds and beta-cyclodextrin by solid-phase microextraction coupled to high-performance liquid chromatography. 2009 , 1216, 5242-8	33
977	Carbon monolith: preparation, characterization and application as microextraction fiber. 2009 , 1216, 5333-9	32
976	Determination of melamine residues in milk products by zirconia hollow fiber sorptive microextraction and gas chromatography-mass spectrometry. 2009 , 1216, 5467-71	134
975	Preparation and evaluation of molecularly imprinted solid-phase microextraction fibers for selective extraction of bisphenol A in complex samples. 2009 , 1216, 5647-54	86
974	Application of hollow fiber liquid-phase microextraction in identification of oil spill sources. 2009 , 1216, 6155-61	16
973	High extraction efficiency for polar aromatic compounds in natural water samples using multiwalled carbon nanotubes/Nafion solid-phase microextraction coating. 2009 , 1216, 9143-8	46

972	Sulfonated polyvinyl chloride fibers for cation-exchange microextraction. 2009 , 1216, 6549-53	12
971	Sample introduction in gas chromatography using a coiled wire filament. 2009 , 1216, 6852-7	7
970	Simultaneous determination of several phytohormones in natural coconut juice by hollow fiber-based liquid-liquid-liquid microextraction-high performance liquid chromatography. 2009 , 1216, 7657-63	115
969	Commercial polymeric fiber as sorbent for solid-phase microextraction combined with high-performance liquid chromatography for the determination of polycyclic aromatic hydrocarbons in water. 2009 , 1216, 7520-6	46
968	Dispersive liquid-liquid-liquid microextraction combined with liquid chromatography for the determination of chlorophenoxy acid herbicides in aqueous samples. 2009 , 1216, 7846-50	57
967	Liquid-liquid-solid microextraction based on membrane-protected molecularly imprinted polymer fiber for trace analysis of triazines in complex aqueous samples. 2009 , 1216, 8304-11	75
966	Analysis of sesquiterpene emissions by plants using solid phase microextraction. 2009 , 1216, 8442-51	17
965	Optimization of HS-SPME/GC-MS analysis and its use in the profiling of illicit ecstasy tablets (Part 1). 2009 , 187, 73-80	21
964	Use of headspace mulberry paper bag micro solid phase extraction for characterization of volatile aromas of essential oils from Bulgarian rose and Provence lavender. 2009 , 631, 54-61	38
963	A new method for determination of myricetin and quercetin using solid phase microextraction-high performance liquid chromatography-ultra violet/visible system in grapes, vegetables and red wine samples. 2009 , 631, 177-81	54
962	Comprehensive two-dimensional gas chromatography for fingerprint pattern recognition in olive oils produced by two different techniques in Portuguese olive varieties Galega Vulgar, Cobrança e Carrasqueira. 2009 , 633, 263-70	66
961	A novel dispersive liquid-liquid microextraction based on solidification of floating organic droplet method for determination of polycyclic aromatic hydrocarbons in aqueous samples. 2009 , 636, 28-33	229
960	Comprehensive investigation and optimisation of the main experimental variables in stir-bar sorptive extraction (SBSE)-thermal desorption-capillary gas chromatography (TD-CGC). 2009 , 636, 190-7	30
959	Dispersive liquid-liquid microextraction combined with high performance liquid chromatography-fluorescence detection for the determination of carbendazim and thiabendazole in environmental samples. 2009 , 638, 139-45	119
958	In vitro evaluation of new biocompatible coatings for solid-phase microextraction: implications for drug analysis and in vivo sampling applications. 2009 , 638, 175-85	89
957	Capillary microextraction (CME) and its application to trace elements analysis and their speciation. 2009 , 650, 23-32	29
956	Amino ethyl-functionalized nanoporous silica as a novel fiber coating for solid-phase microextraction. 2009 , 646, 1-5	112
955	Preparation and application of ionic liquid-coated fused-silica capillary fibers for solid-phase microextraction. 2009 , 645, 42-7	61

954	Determination of organochlorine pesticides in water using dynamic hook-type liquid-phase microextraction. 2009 , 647, 177-81		19
953	The extraction performance of methacrylic acid-trimethylolpropanetrimethacrylate solid-phase microextraction fibers in aqueous solutions. 2009 , 648, 194-9		4
952	Applications of titania and zirconia hollow fibers in sorptive microextraction of N,N-dimethylacetamide from water sample. 2009 , 651, 182-7		28
951	Analysis of free fatty acids in beer: comparison of solid-phase extraction, solid-phase microextraction, and stir bar sorptive extraction. 2009 , 57, 11081-5		49
950	Modern Methods of Sample Preparation for GC Analysis. 2009 , 69, 33-78		89
949	Cyanopropyl Bonded-Phase Cartridges for Trace Enrichment of Dioxins and Chlorinated Pesticides from Water Samples. 2009 , 69, 709-717		13
948	A Sensitive Method for Methyl tert-Butyl Ether Analysis in Water Samples by a New HS-SPME Vial and GC. 2009 , 69, 1341-1346		3
947	Analysis of Volatile Compounds Emitted from <i>Chimonanthus praecox</i> (L.) Link in Different Florescence and QSRR Study of GC Retention Indices. 2009 , 70, 1153-1162		13
946	Development and evaluation of reverse polyethylene samplers for marine phase II whole-sediment toxicity identification evaluations. 2009 , 28, 749-58		27
945	A passive sampler based on solid-phase microextraction for quantifying hydrophobic organic contaminants in sediment pore water. 2009 , 28, 733-40		56
944	ZnO nanorod array solid phase micro-extraction fiber coating: fabrication and extraction capability. 2009 , 20, 465702		31
943	Enhancement in sample collection for the detection of MDMA using a novel planar SPME (PSPME) device coupled to ion mobility spectrometry (IMS). 2009 , 1, 355-62		22
942	A simple, fast, solvent-free method for the determination of volatile compounds in <i>Magnolia grandiflora</i> linn. 2009 , 64, 289-294		7
941	Sensory screening for large-format natural corks by "dry soak" testing and its correlation to headspace solid-phase microextraction (SPME) gas chromatography/mass spectrometry (GC/MS) releasable trichloroanisole (TCA) analysis. 2009 , 57, 7962-8		7
940	Silicone membrane equilibrators: measuring chemical activity of nonpolar chemicals with poly(dimethylsiloxane) microtubes immersed directly in tissue and lipids. <i>Analytical Chemistry</i> , 2009 , 81, 1536-42	7.8	52
939	Dynamic speciation analysis of atrazine in aqueous latex nanoparticle dispersions using solid phase microextraction (SPME). 2009 , 25, 3381-6		28
938	Development of the space-resolved solid-phase microextraction technique and its application to biological matrices. <i>Analytical Chemistry</i> , 2009 , 81, 7349-56	7.8	62
937	Study on the performance of the headspace liquid-phase microextraction, gas chromatography-mass spectrometry in the determination of sorbic and benzoic acids in soft drinks and environmental water samples. 2009 , 57, 2633-9		25

936	Exploiting the versatility of ionic liquids in separation science: determination of low-volatility aliphatic hydrocarbons and fatty acid methyl esters using headspace solid-phase microextraction coupled to gas chromatography. <i>Analytical Chemistry</i> , 2009 , 81, 7107-12	7.8	73
935	Detection of DDT and its metabolites in two estuaries of South China using a SPME-based device: first report of p,p'-DDMU in water column. 2009 , 157, 1382-7		30
934	Matrix solid-phase microextraction for measuring freely dissolved concentrations and chemical activities of PAHs in sediment cores from the western Baltic Sea. 2009 , 74, 522-9		57
933	Possibilities and limitations of equilibrium sampling using polydimethylsiloxane in fish tissue. 2009 , 77, 764-70		58
932	Cuticular Hydrocarbons: A New Tool in Forensic Entomology?. 2009 , 179-203		2
931	Analytical Methods for Breath Investigation. 2009 , 39, 2-12		16
930	In situ hydrothermal growth of metal-organic framework 199 films on stainless steel fibers for solid-phase microextraction of gaseous benzene homologues. <i>Analytical Chemistry</i> , 2009 , 81, 9771-7	7.8	315
929	Directly heated high surface area solid phase microextraction sampler for rapid field forensic analyses. <i>Analytical Chemistry</i> , 2009 , 81, 8724-33	7.8	16
928	Single drop microextraction using commercial capillary electrophoresis instruments. <i>Analytical Chemistry</i> , 2009 , 81, 225-30	7.8	69
927	Stir membrane extraction: a useful approach for liquid sample pretreatment. <i>Analytical Chemistry</i> , 2009 , 81, 8957-61	7.8	59
926	Evaluation of bioaccumulation using in vivo laboratory and field studies. 2009 , 5, 598-623		68
925	Analysis of volatile profiles of fermenting grape must by headspace solid-phase dynamic extraction coupled with gas chromatography-mass spectrometry (HS-SPDE GC-MS): novel application to investigate problem fermentations. 2009 , 57, 5161-6		31
924	Interactions between wine volatile compounds and grape and wine matrix components influence aroma compound headspace partitioning. 2009 , 57, 10313-22		138
923	Determination of volatile organic compounds in exhaled breath of patients with lung cancer using solid phase microextraction and gas chromatography mass spectrometry. 2009 , 47, 550-60		178
922	Plant Systems Biology. 2009 ,		3
921	Hydrofluoric acid etched stainless steel wire for solid-phase microextraction. <i>Analytical Chemistry</i> , 2009 , 81, 4971-7	7.8	140
920	A Review on the Hyphenation of Solid Phase Microextraction with Capillary Electrophoresis and Mass Spectrometry. 2009 , 39, 81-88		19
919	Volatiles Identification in Pineapple Submitted to Drying in an Ethanolic Atmosphere. 2009 , 27, 248-257		31

918	Determination of Carbamate and Benzoylurea Insecticides in Peach Juice Drink by Floated Organic Drop Microextraction High Performance Liquid Chromatography. 2009 , 42, 1805-1819		28
917	Metabolomics of plant volatiles. 2009 , 553, 329-43		25
916	Investigation of the effect of the extraction phase geometry on the performance of automated solid-phase microextraction. <i>Analytical Chemistry</i> , 2009 , 81, 4226-32	7.8	81
915	A review of methods for the determination of reduced sulfur compounds (RSCs) in air. 2009 , 43, 3020-9		105
914	Analysis of Freshly Brewed Espresso Using a Retronasal Aroma Simulator and Influence of Milk Addition. 2009 , 15, 233-244		16
913	Headspace solid-phase microextraction-gas chromatography method for the determination of valproic acid in human serum, and formulations using hollow-fiber coated wire. 2009 , 25, 875-9		17
912	Carbon Nanotubes Coated Fiber for Solid-Phase Microextraction of Bovine Fibrinogen and Bovine Serum Albumin. 2009 , 56, 1128-1138		7
911	Study of the distribution of dichlorobenzenes in sediment and water of Suquia River basin (Cordoba-Argentina) by an optimised SPME-GC-MS procedure. 2009 , 3, 363		5
910	Fast determination of methyl chloride and methyl bromide emissions from dried plant matter and soil samples using HS-SPME and GC-MS: method and first results. 2009 , 6, 311		14
909	Cavity Ring-Down Spectroscopy Using Waveguides. 113-144		1
908	SPME/GC-MS in the Characterisation of Terpenic Resins. 261-302		5
907	Effect of Edible Coating on Volatile Compounds of Hardy Kiwifruit during Storage. 2010 , 79-94		5
906	Dispersive Liquid-Liquid Microextraction of Cu(II) Using a Novel Dioxime for Its Highly Sensitive Determination by Graphite Furnace Atomic Absorption Spectrometry. 2010 , 57, 111-117		14
905	Flavor Extraction: Headspace, SDE, or SFE. 2010 , 211-228		
904	APPLICATION OF RAPID ANALYTICAL METHODS FOR EFFICIENT EVALUATION OF PLANT GENETIC RESOURCES AND BREEDING MATERIAL. 2010 , 225-234		1
903	Fruits from Central and South America. 2010 , 463-483		1
902	Hand-held mass spectrometer for environmentally relevant analytes using a variety of sampling and ionization methods. 2010 , 16, 11-20		21
901	Determination of volatile organics in gaseous phase using porous adsorbents. 2010 , 65, 127-134		2

900	Microwave-Assisted SPME/On-Fiber Derivatization of Chromium(III) in Water Followed by GC-MS Analysis. 2010 , 71, 957-961		5
899	SPME-GC Determination of an Inhalation Anesthetic, Isoflurane in Bulk and Nanoemulsion Dosage Form. 2010 , 72, 177-182		1
898	Determination of Methadone in Biological Samples Using Liquid Phase Microextraction with Back Extraction Combined with LC. 2010 , 72, 231-238		9
897	Application of DLLME Based on the Solidification of Floating Organic Droplets for the Determination of Dinitrobenzenes in Aqueous Samples. 2010 , 72, 695-699		25
896	Ionic Liquid-Based Submerged Single Drop Microextraction: a New Method for the Determination of Aromatic Amines in Environmental Water Samples. 2010 , 72, 867-873		22
895	Application of Sol-Gel Based Poly(ethylene glycol)/Multiwalled Carbon Nanotubes Coated Fiber for SPME of Methyl tert-Butyl Ether in Environmental Water Samples. 2010 , 72, 923-931		32
894	Application of SPME Based on a Stainless Steel Wire for the Determination of Pyrethroid Insecticide Residues in Water and Soil. 2010 , 72, 1219-1223		15
893	Ultrasonic-Assisted Drop-to-Drop Solvent Microextraction in a Capillary Tube for Analyzing Trace Benzene, Toluene, Xylene in One Drop of a Water Sample. 2010 , 72, 1163-1168		5
892	Determination of Diacetyl in Butter and Air Samples by SPME Coupled with GC/MS. 2010 , 72, 999-1004		7
891	Dispersive liquid-liquid microextraction coupled with dispersive micro-solid-phase extraction for the fast determination of polycyclic aromatic hydrocarbons in environmental water samples. <i>Analytical Chemistry</i> , 2010 , 82, 1540-5	7.8	211
890	Controllable preferential-etching synthesis of ZnO nanotube arrays on SiO ₂ substrate for solid-phase microextraction. 2010 , 135, 2694-9		18
889	Quantitation of valproic acid in pharmaceutical preparations using dispersive liquid-liquid microextraction followed by gas chromatography-flame ionization detection without prior derivatization. 2010 , 2, 362-6		14
888	Determination of Ethyl Carbamate in Sake Using Headspace Solid Phase Microextraction. 2010 , 116, 177-181		17
887	Mixed messages: fertility signaling interferes with nestmate recognition in the monogynous ant <i>Camponotus floridanus</i> . 2010 , 64, 1011-1018		27
886	Bonded ionic liquid polymeric material for solid-phase microextraction GC analysis. 2010 , 396, 511-24		99
885	Determination of adrenolytic drugs by SPME-LC-MS. 2010 , 397, 173-179		22
884	Dispersive liquid-liquid microextraction using a surfactant as disperser agent. 2010 , 397, 3107-15		70
883	Solid-phase microextraction (SPME) calibration using inkjet microdrop printing for direct loading of known analyte mass on to SPME fibers. 2010 , 398, 1049-60		8

882	Recent development in liquid phase microextraction for determination of trace level concentration of metals--a review. 2010 , 658, 107-19	260
881	Single-walled carbon nanotubes as solid-phase microextraction adsorbent for the determination of low-level concentrations of butyltin compounds in seawater. 2010 , 662, 90-6	62
880	Molecularly imprinted polymers for sample preparation: a review. 2010 , 668, 87-99	389
879	Solid-phase microextraction of phthalate esters from aqueous media by electrochemically deposited carbon nanotube/polypyrrole composite on a stainless steel fiber. 2010 , 669, 32-8	123
878	Silicate-entrapped porous coatings for preparing high-efficiency solid-phase microextraction sorbents. 2010 , 669, 39-44	11
877	Quantification of 2-acetyl-1-pyrroline in rice by stable isotope dilution assay through headspace solid-phase microextraction coupled to gas chromatography-tandem mass spectrometry. 2010 , 675, 148-55	55
876	Solvent-based de-emulsification dispersive liquid-liquid microextraction combined with gas chromatography-mass spectrometry for determination of trace organochlorine pesticides in environmental water samples. 2010 , 1217, 5896-900	74
875	Preparation and application of solid-phase microextraction fiber based on molecularly imprinted polymer for determination of anabolic steroids in complicated samples. 2010 , 1217, 7461-70	56
874	Preparation and evaluation of solid-phase microextraction fiber based on nano-structured copolymer of aniline and m-amino benzoic acid coating for the analysis of fatty acids in zooplanktons. 2010 , 1217, 7642-7	24
873	Multiple headspace single-drop micro-extraction for quantitative determination of lactide in thermally-oxidized polylactide. 2010 , 95, 270-273	8
872	Quantitation of mononitrotoluenes in aquatic environment using dispersive liquid-liquid microextraction followed by gas chromatography-flame ionization detection. 2010 , 175, 279-83	37
871	Recent trends in the advanced analysis of bioactive fatty acids. 2010 , 51, 305-26	95
870	Determination of trace amounts of palladium by flame atomic absorption spectrometry after ligandless-dispersive liquid-liquid microextraction. 2010 , 168, 123-128	38
869	Analysis of eight pyrethroids in water samples by liquid-liquid microextraction based on solidification of floating organic droplet combined with gas chromatography. 2010 , 171, 241-247	33
868	Influence of temperature and origin of dissolved organic matter on the partitioning behavior of polycyclic aromatic hydrocarbons. 2010 , 17, 1070-9	48
867	Partitioning of polycyclic musk compounds in soil and aquatic environment—Experimental determination of KDOC. 2010 , 10, 708-713	15
866	Using solid-phase microextraction to evaluate the role of different carbon matrices in the distribution of PAHs in sediment-porewater systems of the Baltic Sea. 2010 , 10, 1388-1400	11
865	Performance of stacked, flow-through micropreconcentrators for portable trace detection. 2010 , 13, 109-119	3

864	Detection of Hydrocarbons in Irradiated Chilled Beef by HS-SPME-GCMS and Optimization of the Method. 2010 , 87, 731-736	6
863	Estimation of bioavailability and potential risks of naphthalene in soils with solid phase microextraction. 2010 , 26, 1311-6	5
862	Phthalate Esters in Foods: Sources, Occurrence, and Analytical Methods. 2010 , 9, 21-43	264
861	Influence of soil type and organic matter content on the bioavailability, accumulation, and toxicity of alpha-cypermethrin in the springtail <i>Folsomia candida</i> . 2010 , 29, 1084-90	15
860	Modeling the response of passive samplers to varying ambient fluid concentrations of organic contaminants. 2010 , 29, 591-6	21
859	CE and CEC of nucleosides and nucleotides in food materials. 2010 , 31, 2092-105	27
858	Polymer monolith-integrated multilayer poly(dimethylsiloxane) microchip for online microextraction and capillary electrophoresis. 2010 , 31, 3028-34	30
857	Analysis of the Plant Volatile Fraction. 2010 , 49-93	6
856	Ultrasound-assisted dispersive liquid-liquid microextraction coupled with capillary gas chromatography for simultaneous analysis of nine pyrethroids in domestic wastewaters. 2010 , 33, 1829-35	29
855	Simultaneous analysis of parabens in cosmetic products by stir bar sorptive extraction and liquid chromatography. 2010 , 33, 1849-55	53
854	Solvent-enhanced headspace sorptive extraction in the analysis of the volatile fraction of matrices of vegetable origin. 2010 , 33, 2191-9	16
853	Coupling stir bar sorptive extraction-dispersive liquid-liquid microextraction for preconcentration of triazole pesticides from aqueous samples followed by GC-FID and GC-MS determinations. 2010 , 33, 1816-28	90
852	Determination of partition coefficient and analysis of nitrophenols by three-phase liquid-phase microextraction coupled with capillary electrophoresis. 2010 , 33, 2131-9	20
851	A new open tubular capillary microextraction and sweeping for the analysis of super low concentration of hydrophobic compounds. 2010 , 33, 3221-30	11
850	Development and applications of single-drop microextraction for pesticide residue analysis: A review. 2010 , 33, 3683-91	55
849	Gas-diffusion microextraction. 2010 , 33, 3207-12	35
848	A simple and rapid dispersive liquid-liquid microextraction method followed by GC-FID for determination of N-methylpyrrolidine in cefepime. 2010 , 33, 3767-73	7
847	Qualitative screening for volatile organic compounds in human blood using solid-phase microextraction and gas chromatography-mass spectrometry. 2010 , 45, 391-7	11

846	Fibers with polypyrrole and polythiophene phases for isolation and determination of adrenolytic drugs from human plasma by SPME-HPLC. 2010 , 878, 2226-34	38
845	A sol-gel-based amino functionalized fiber for immersed solid-phase microextraction of organophosphorus pesticides from environmental samples. 2010 , 94, 1-6	58
844	A review of advances and new developments in the analysis of biological volatile organic compounds. 2010 , 95, 127-139	101
843	Solid phase microextraction-liquid chromatography (SPME-LC) determination of chloramphenicol in urine and environmental water samples. 2010 , 53, 440-4	46
842	Investigation of off-odour and off-flavour development in boiled potatoes. 2010 , 118, 283-290	19
841	Profiling volatile compounds from Mucuna beans by solid phase microextraction and gas chromatography-high resolution time of flight mass spectrometry. 2010 , 119, 386-390	5
840	Characterisation of the mushroom-like flavour of <i>Melittis melissophyllum</i> L. subsp. <i>melissophyllum</i> by headspace solid-phase microextraction (HS-SPME) coupled with gas chromatography (GC/MS) and gas chromatography-mass spectrometry (GC/MS). 2010 , 123, 983-992	35
839	On-line combination of single-drop liquid-liquid-liquid microextraction with capillary electrophoresis for sample cleanup and preconcentration: a simple and efficient approach to determining trace analyte in real matrices. 2010 , 1217, 1856-61	34
838	Carbon nanocones/disks as new coating for solid-phase microextraction. 2010 , 1217, 3341-7	26
837	Preparation and applications of perfluorinated ion doped polyaniline based solid-phase microextraction fiber. 2010 , 1217, 4523-8	35
836	Coacervative microextraction ultrasound-assisted back-extraction technique for determination of organophosphates pesticides in honey samples by gas chromatography-mass spectrometry. 2010 , 1217, 6334-41	54
835	Adsorptive micro-extraction techniques--novel analytical tools for trace levels of polar solutes in aqueous media. 2010 , 1217, 7303-10	85
834	Liquid-phase microextraction. 2010 , 29, 1-14	582
833	Determination of pyrethroid insecticides in environmental samples. 2010 , 29, 692-705	91
832	A review of environmental tobacco smoke and its determination in air. 2010 , 29, 804-819	28
831	Study on seafood volatile profile characteristics during storage and its potential use for freshness evaluation by headspace solid phase microextraction coupled with gas chromatography-mass spectrometry. 2010 , 659, 151-8	53
830	Pressurised hot water extraction followed by simultaneous derivatization and headspace solid-phase microextraction and gas chromatography-tandem mass spectrometry for the determination of aliphatic primary amines in sewage sludge. 2010 , 665, 231-6	29
829	A novel solidified floating organic drop microextraction method for preconcentration and determination of copper ions by flow injection flame atomic absorption spectrometry. 2010 , 667, 83-7	68

828	Validation of an analytical method for analysis of cannabinoids in hair by headspace solid-phase microextraction and gas chromatography-ion trap tandem mass spectrometry. 2010 , 670, 63-71	58
827	Liquid-phase microextraction approaches combined with atomic detection: a critical review. 2010 , 669, 1-16	95
826	Fundamentals and applications of needle trap devices: a critical review. 2010 , 677, 3-18	205
825	Dispersive liquid-liquid microextraction based on the solidification of floating organic droplet for the determination of polychlorinated biphenyls in aqueous samples. 2010 , 674, 201-5	61
824	Preparation and evaluation of graphene-coated solid-phase microextraction fiber. 2010 , 678, 44-9	223
823	Desorption atmospheric pressure photoionization with polydimethylsiloxane as extraction phase and sample plate material. 2010 , 682, 1-8	13
822	Hollow fiber supported liquid membrane microextraction of Cu ²⁺ followed by flame atomic absorption spectroscopy determination. 2010 , 3, 21-26	41
821	Simultaneous optimization of the microextraction of coffee volatiles using response surface methodology and principal component analysis. 2010 , 102, 45-52	57
820	High-performance liquid chromatographic determination of hexanal and heptanal in human blood by ultrasound-assisted headspace liquid-phase microextraction with in-drop derivatization. 2010 , 1217, 2371-5	35
819	Monolithic methacrylate packed 96-tips for high throughput bioanalysis. 2010 , 1217, 2581-8	37
818	Simultaneous liquid-liquid microextraction and polypropylene microporous membrane solid-phase extraction of organochlorine pesticides in water, tomato and strawberry samples. 2010 , 1217, 7-13	43
817	Solid drop based liquid-phase microextraction. 2010 , 1217, 2337-41	41
816	Emission pattern of semi-volatile organic compounds from recycled styrenic polymers using headspace solid-phase microextraction gas chromatography-mass spectrometry. 2010 , 1217, 359-67	18
815	Fluorous media for extraction and transport. 2010 , 1217, 2287-95	36
814	Automated determination of aliphatic primary amines in wastewater by simultaneous derivatization and headspace solid-phase microextraction followed by gas chromatography-tandem mass spectrometry. 2010 , 1217, 575-81	39
813	Evolution of dispersive liquid-liquid microextraction method. 2010 , 1217, 2342-57	764
812	Ultra trace analysis of 17 organochlorine pesticides in water samples from the Arctic based on the combination of solid-phase extraction and headspace solid-phase microextraction-gas chromatography-electron-capture detector. 2010 , 1217, 1191-202	32
811	New sorbents for extraction and microextraction techniques. 2010 , 1217, 2533-42	204

810	Determination of water pollutants by direct-immersion solid-phase microextraction using polymeric ionic liquid coatings. 2010 , 1217, 1236-43	99
809	Quantitative determination of some volatile suspected allergens in cosmetic creams spread on skin by direct contact sorptive tape extraction-gas chromatography-mass spectrometry. 2010 , 1217, 2599-605	37
808	Analysis of volatile aldehyde biomarkers in human blood by derivatization and dispersive liquid-liquid microextraction based on solidification of floating organic droplet method by high performance liquid chromatography. 2010 , 1217, 2365-70	102
807	Preparation of a polyacrylonitrile/multi-walled carbon nanotubes composite by surface-initiated atom transfer radical polymerization on a stainless steel wire for solid-phase microextraction. 2010 , 1217, 2758-67	50
806	A novel method for the determination of total 1,3-octanediols in apple juice via 1,3-dioxanes by solid-phase microextraction and high-speed gas chromatography. 2010 , 1217, 2993-9	7
805	Preparation and evaluation of solid-phase microextraction fibres based on functionalized latex nanoparticle coatings for trace analysis of inorganic anions. 2010 , 1217, 3452-6	26
804	A new reliable sample preparation for high throughput focused steroid profiling by gas chromatography-mass spectrometry. 2010 , 1217, 6652-60	39
803	Selective extraction of CO ₂ from simulated flue gas using polymeric ionic liquid sorbent coatings in solid-phase microextraction gas chromatography. 2010 , 1217, 4517-22	34
802	Do complex matrices modify the sorptive properties of polydimethylsiloxane (PDMS) for non-polar organic chemicals?. 2010 , 1217, 4765-70	62
801	Solid phase microextraction using new sol-gel hybrid polydimethylsiloxane-2-hydroxymethyl-18-crown-6-coated fiber for determination of organophosphorous pesticides. 2010 , 1217, 4890-7	67
800	Simultaneous determination of UV filters and polycyclic musks in aqueous samples by solid-phase microextraction and gas chromatography-mass spectrometry. 2010 , 1217, 6747-53	71
799	Design of experiments and detailed uncertainty analysis to develop and validate a solid-phase microextraction/gas chromatography-mass spectrometry method for the simultaneous analysis of 16 pesticides in water. 2010 , 1217, 5317-27	39
798	Molecularly imprinted polymer coated on stainless steel fiber for solid-phase microextraction of chloroacetanilide herbicides in soybean and corn. 2010 , 1217, 5875-82	53
797	Temperature-controlled headspace liquid-phase microextraction device using volatile solvents. 2010 , 1217, 5883-9	19
796	Tuning the selectivity of polymeric ionic liquid sorbent coatings for the extraction of polycyclic aromatic hydrocarbons using solid-phase microextraction. 2010 , 1217, 6143-52	101
795	Molecular complex-based dispersive liquid-liquid microextraction: analysis of polar compounds in aqueous solution. 2010 , 1217, 7010-6	73
794	Optimization of dispersive liquid-liquid microextraction and improvement of detection limit of methyl tert-butyl ether in water with the aid of chemometrics. 2010 , 1217, 7017-23	20
793	Utilization of a benzyl functionalized polymeric ionic liquid for the sensitive determination of polycyclic aromatic hydrocarbons; parabens and alkylphenols in waters using solid-phase microextraction coupled to gas chromatography-flame ionization detection. 2010 , 1217, 7189-97	113

792	Comparative study of two extraction techniques to obtain representative aroma extracts for being analysed by gas chromatography-olfactometry: application to roasted pistachio aroma. 2010 , 1217, 7781-7	31
791	Hollow fiber liquid-phase microextraction coupled with gas chromatography-flame ionization detection for the profiling of fatty acids in vegetable oils. 2010 , 1217, 8073-8	16
790	An accurate quantitative method for the analysis of terpenes in milk fat by headspace solid-phase microextraction coupled to gas chromatography-mass spectrometry. 2010 , 120, 1162-1169	25
789	Characterisation of Asturian cider apples on the basis of their aromatic profile by high-speed gas chromatography and solid-phase microextraction. 2010 , 121, 1312-1318	26
788	Solid-phase microextraction for the detection of codeine, morphine and 6-monoacetylmorphine in human hair by gas chromatography-mass spectrometry. 2010 , 196, 64-9	52
787	Progress in Sample Pretreatment for Analysis of Estrogens with Liquid Chromatography-Mass Spectrometry. 2010 , 38, 598-606	5
786	Developments in Liquid-phase Microextraction Method Based on Solidification of Floating Organic Drop. 2010 , 38, 1517-1522	27
785	Large-pore ordered mesoporous carbon as solid-phase microextraction coating for analysis of polycyclic aromatic hydrocarbons from aqueous media. 2019 , 195, 647-654	14
784	Molecularly imprinted based solid phase microextraction method for monitoring valproic acid in human serum and pharmaceutical formulations. 2019 , 16, 741-745	3
783	Multiple stir bar sorptive extraction combined with gas chromatography-mass spectrometry analysis for a tentative identification of bacterial volatile and/or semi-volatile metabolites. 2019 , 195, 245-250	11
782	Discrimination of VOCs of the <i>Plectranthus grandis</i> by hydrodistillation, HS-SPME and cytotoxic activity. 2019 , 127, 225-231	3
781	An extensive review of the extraction techniques and detection methods for the taste and odour compound geosmin (trans-1, 10-dimethyl-trans-9-decalol) in water. 2019 , 110, 233-248	12
780	Applications of solid-phase micro-extraction with mass spectrometry in pesticide analysis. 2019 , 42, 330-341	22
779	Fabric phase sorptive extraction followed by ultra-performance liquid chromatography-tandem mass spectrometry for the determination of fungicides and insecticides in wine. 2019 , 1584, 13-23	13
778	Enhancing enrichment ability of a nanoporous carbon based solid-phase microextraction device by a morphological modulation strategy. 2019 , 1047, 1-8	14
777	Ionic liquid-functionalized silica aerogel as coating for solid-phase microextraction. 2019 , 1583, 48-54	64
776	Microextraction sample preparation techniques in forensic analytical toxicology. 2019 , 33, e4444	31
775	Co- and self-activated synthesis of tailored multimodal porous carbons for solid-phase microextraction of chlorobenzenes and polychlorinated biphenyls. 2019 , 1585, 1-9	11

774	A hydrophobic deep eutectic solvent mediated sol-gel coating of solid phase microextraction fiber for determination of toluene, ethylbenzene and o-xylene in water coupled with GC-FID. 2019 , 195, 298-305	34
773	Determination of potential childhood asthma biomarkers using a powerful methodology based on microextraction by packed sorbent combined with ultra-high pressure liquid chromatography. Eicosanoids as case study. 2019 , 1584, 42-56	7
772	A multi-instrumental geochemical approach to assess the environmental impact of CO ₂ -rich gas emissions in a densely populated area: The case of Cava dei Selci (Latium, Italy). 2019 , 101, 109-126	12
771	A spherical metal-organic coordination polymer for the microextraction of neonicotinoid insecticides prior to their determination by HPLC. 2019 , 186, 103	10
770	Environmentally friendly etching of stainless steel wire for plunger-in-needle liquid-phase microextraction of polycyclic aromatic hydrocarbons. 2019 , 197, 465-471	8
769	A critical review of solid-phase microextraction applied in drugs of abuse determinations and potential applications for targeted doping testing. 2019 , 112, 135-146	27
768	Highly porous nanostructured copper oxide foam fiber as a sorbent for head space solid-phase microextraction of BTEX from aqueous solutions. 2019 , 145, 210-217	13
767	Possible carbon-carbon bond formation during decomposition? Characterization and identification of new decomposition products in lithium ion battery electrolytes by means of SPME-GC-MS. 2019 , 295, 401-409	13
766	An organic-inorganic hybrid silica aerogel prepared by co-precursor method for solid-phase microextraction coating. 2019 , 194, 370-376	26
765	Enhanced in-out-tube solid-phase microextraction by molecularly imprinted polymers-coated capillary followed by HPLC for Endocrine Disrupting Chemicals analysis. 2019 , 194, 7-13	26
764	Authentication of key aroma compounds in apple using stable isotope approach. 2019 , 277, 766-773	10
763	Headspace mode of liquid phase microextraction: A review. 2019 , 110, 8-14	61
762	Electromembrane extraction: Overview of the last decade. 2019 , 113, 357-363	72
761	Spectroscopic and Mass Spectrometry Analyses of Plasma-Activated Polymeric Materials. 2019 , 319-340	1
760	Ultrasensitive Determination of Tetrabromobisphenol A by Covalent Organic Framework Based Solid Phase Microextraction Coupled with Constant Flow Desorption Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 772-775	7.8 39
759	Tolerance intervals modeling for design space of a salt assisted liquid-liquid microextraction of trimethoprim and six common sulfonamide antibiotics in environmental water samples. 2019 , 1586, 18-29	10
758	Overview of sample introduction techniques prior to GC for the analysis of volatiles in solid materials. 2019 , 42, 214-225	8
757	Critical evaluation of microextraction pretreatment techniques - Part 1: Single drop and sorbent-based techniques. 2019 , 42, 273-284	14

756	In vivo analysis of two new fungicides in mung bean sprouts by solid phase microextraction-gas chromatography-mass spectrometry. 2019 , 275, 688-695	14
755	Gas Chromatography: Mass Spectrometry Analysis of Polyphenols in Foods. 2019 , 285-316	1
754	Evaluation of carbon foam as an adsorbent in stir-bar supported micro-solid-phase extraction coupled with gas chromatography-mass spectrometry for the determination of polyaromatic hydrocarbons in wastewater samples. 2019 , 144, 361-368	18
753	Recent trends in replacement of disperser solvent in dispersive liquid-liquid microextraction methods. 2019 , 48, 159-178	41
752	Analysis of amphetaminic drug compounds in urine by headspace-dielectric barrier discharge ionization-mass spectrometry. 2020 , 13, 2162-2170	8
751	Detection of petrol residues in natural and synthetic textiles before and after burning using SPME and GC-MS. 2020 , 52, 194-207	1
750	Solid phase microextraction techniques used for gas chromatography: a review. 2020 , 32, 1-9	19
749	Vortex-Assisted Liquid-Liquid Microextraction for Steroid Profile Analysis: Towards Sustainable Development Goals 2030. 2020 , 747-760	
748	Two novel strategies in food sample preparation for the analysis of dietary polyphenols: Micro-extraction techniques and new silica-based sorbent materials. 2020 , 98, 167-180	21
747	Core concepts and milestones in the development of solid-phase extraction. 2020 , 1-36	3
746	Ionic liquid dispersive liquid-liquid microextraction for pesticide residue analysis in honey. 2020 , 59, 458-467	5
745	Assessment of headspace solid-phase microextraction (HS-SPME) for control of asymmetric bioreduction of ketones by <i>Alternaria alternata</i> . 2020 , 38, 75-80	1
744	Volatile profiles of extra virgin olive oil, olive pomace oil, soybean oil and palm oil in different heating conditions. 2020 , 117, 108631	29
743	A review on magnetic field-assisted solid-phase microextraction techniques. 2020 , 43, 75-82	9
742	Analytical sample preparation by electrospun solid phase microextraction sorbents. 2020 , 208, 120413	13
741	Microextraction With Supported Liquid Membranes. 2020 , 241-263	0
740	Emerging Extraction Strategies in Analytical Chemistry. <i>Analytical Chemistry</i> , 2020 , 92, 2-15	7.8 49
739	Determination of alkylpyrazines in cocoa samples applying head-space hollow fiber protected-liquid phase microextraction followed by gas chromatography-flame ionization detection. 2020 , 14, 322-332	1

738	A critical review of molecularly imprinted polymers for the analysis of organic pollutants in environmental water samples. 2020 , 1614, 460603	73
737	Combination of stearic acid coated magnetic nanoparticle based sonication assisted dispersive solid phase extraction and slotted quartz tube-flame atomic absorption spectrophotometry for the accurate and sensitive determination of lead in red pepper samples and assessment of green profile. 2020 , 303, 125396	22
736	On-chip ion pair-based dispersive liquid-liquid extraction for quantitative determination of histamine H receptor antagonist drugs in human urine. 2020 , 206, 120235	5
735	Application of marble powder as a potential green adsorbent for miniaturized solid phase extraction of polycyclic aromatic hydrocarbons from water samples. 2020 , 55, 2737-2745	3
734	On the planar Schrödinger-Poisson system with the axially symmetric potential. 2020 , 268, 945-976	49
733	Validation of an alternative method for the identification of 2-dodecylcyclobutanone (2-DCB) of irradiated meats by solid-phase microextraction (SPME) gas chromatography-mass spectrometry (GC-MS). 2020 , 55, 961-969	5
732	Graphitic carbon nitride derivative with large mesopores as sorbent for solid-phase microextraction of polycyclic aromatic hydrocarbons. 2020 , 209, 120541	21
731	A novel liquid-liquid-solid microextraction strategy for bio-sample preparation by in situ self-assembly of zeolitic imidazolate framework 8 on hollow fiber membrane. 2020 , 1095, 118-128	11
730	Plasmon-active optical fiber functionalized by metal organic framework for pesticide detection. 2020 , 208, 120480	15
729	Polydopamine modified ordered mesoporous carbon for synergistic enhancement of enrichment efficiency and mass transfer towards phenols. 2020 , 1095, 109-117	12
728	Historical backgrounds of environmental analysis. 2020 , 37-57	
727	Sampling and Sample preparation techniques for environmental analysis. 2020 , 75-119	3
726	Sustainable development and environmental analysis. 2020 , 343-379	
725	Woven cotton yarn-graphene oxide-layered double hydroxide composite as a sorbent for thin film microextraction of nonsteroidal anti-inflammatory drugs followed by quantitation through high performance liquid chromatography. 2020 , 1097, 94-102	14
724	Hydrophobic deep eutectic solvents in microextraction techniques: A review. 2020 , 152, 104384	142
723	Recent advances and trends in miniaturized sample preparation techniques. 2020 , 43, 202-225	63
722	Three-dimensional pompon-like Au/ZnO porous microspheres as solid phase microextraction coating for determination of volatile fatty acids from foot odor. 2020 , 209, 120519	3
721	Eco-friendly Method for the Determination of Polycyclic Aromatic Hydrocarbons in Sediments by HS-SPME-GC/MS. 2020 , 83, 261-271	2

720	An in-tube aptamer/gold nanoparticles coated capillary solid-phase microextraction for separation of adenosine in serum and urine samples. 2020 , 1611, 460617	12
719	Drug analyses in human plasma by chromatography. 2020 , 15-46	2
718	Volatile Organic Compound Profiling from Postmortem Microbes using Gas Chromatography-Mass Spectrometry. 2020 , 65, 134-143	18
717	Sample preparation for the analysis of drugs in biological fluids. 2020 , 7, 1-13	4
716	Seasonal Toxicity Observed with Amphipods (<i>Eohaustorius estuarius</i>) at Paleta Creek, San Diego Bay, USA. 2020 , 39, 229-239	4
715	Rapid quantification of acetaminophen in plasma using solid-phase microextraction coupled with thermal desorption electrospray ionization mass spectrometry. 2020 , 34 Suppl 1, e8564	4
714	Solid-phase microextraction of organophosphorous pesticides from food samples with a nitrogen-doped porous carbon derived from g-CN templated MOF as the fiber coating. 2020 , 384, 121430	54
713	Recent advances in solid-phase extraction techniques with nanomaterials. 2020 , 57-73	8
712	A new strategy for enhanced fabrication of flake-like zinc/aluminum layered double hydroxide on nickel/titanium alloy fiber for highly efficient solid-phase microextraction of ultraviolet filters. 2020 , 152, 104318	3
711	An electrodeposited terephthalic acid-layered double hydroxide (Cu-Cr) nanosheet coating for in-tube solid-phase microextraction of phthalate esters. 2020 , 187, 118	15
710	Molecularly imprinted polymers for miniaturized sample preparation techniques: strategies for chromatographic and mass spectrometry methods. 2020 , 12, 894-911	20
709	A multifaceted investigation on the effect of vacuum on the headspace solid-phase microextraction of extra-virgin olive oil. 2020 , 1103, 106-114	15
708	Medicinal plant volatiles applied against the root-knot nematode <i>Meloidogyne incognita</i> . 2020 , 130, 105057	5
707	Imine-based covalent triazine framework: Synthesis, characterization, and evaluation its adsorption. 2020 , 263, 127221	19
706	Hollow fiber-based liquid phase microextraction followed by analytical instrumental techniques for quantitative analysis of heavy metal ions and pharmaceuticals. 2020 , 10, 109-122	41
705	A silica-based three-dimensional molecularly imprinted coating for the selective solid-phase microextraction of difenoconazole from wheat and fruits samples. 2020 , 1098, 37-46	13
704	Air-assisted liquid-liquid microextraction; principles and applications with analytical instruments. 2020 , 122, 115734	50
703	Comparison of multiple calibration approaches for the determination of volatile organic compounds in air samples by solid phase microextraction Arrow and in-tube extraction. 2020 , 1616, 460825	4

702	Biocompatible solid-phase microextraction coupled to liquid chromatography triple quadrupole mass spectrometry analysis for the determination of phthalates in marine invertebrate. 2020 , 1618, 460852	12
701	Magnesium/aluminum-layered double hydroxide modified with hydrogen peroxide as a novel fiber coating for solid-phase microextraction of phthalate esters in aqueous samples. 2020 , 153, 104510	14
700	Ultrasound-assisted solvent extraction of organochlorine pesticides from porous membrane packed tea samples followed by GCMS analysis. 2020 , 152, 104464	13
699	Layer-by-layer self-assembly of a novel covalent organic frameworks microextraction coating for analyzing polycyclic aromatic hydrocarbons from aqueous solutions via gas chromatography. 2020 , 43, 896-904	8
698	A paradigm of volatile aroma compounds in rice and their product with extraction and identification methods: A comprehensive review. 2020 , 130, 108924	26
697	A Systematic Review of Solid-Phase Microextraction Applications in the Forensic Context. 2020 , 44, 268-297	4
696	Trends in nanomaterial-based solid-phase microextraction with a focus on environmental applications - A review. 2020 , 25, e00077	29
695	Determination of ethambutol in biological samples using graphene oxide based dispersive solid-phase microextraction followed by ion mobility spectrometry. 2020 , 23, 19-27	4
694	Recent Progress in Fast Sample Preparation Techniques. <i>Analytical Chemistry</i> , 2020 , 92, 34-48	7.8 45
693	Comparison of Stir Bar Sorptive Extraction and Solid Phase Microextraction of Volatile and Semi-Volatile Metabolite Profile of. 2019 , 25,	6
692	Determination of volatile compounds responsible for sensory characteristics from Brazilian extra virgin olive oil using HS-SPME/GC-MS direct method. 2020 , 85, 3764-3775	5
691	A new approach towards simultaneous extraction of individual analytes based on the simultaneous application of multiple magnetic sorbents. 2020 , 35, 2974-2981	1
690	MIL-101 (Cr) @ graphene oxide-reinforced hollow fiber solid-phase microextraction coupled with high-performance liquid chromatography to determine diazinon and chlorpyrifos in tomato, cucumber and agricultural water. 2020 , 1140, 99-110	20
689	Development of a stirring-assisted ferrofluid-based liquid phase microextraction method coupled with dispersive liquid-liquid microextraction for the extraction of some widely used pesticides from herbal distillates. 2020 , 1-14	3
688	Helical multi-walled carbon nanotube-coated fibers for solid-phase microextraction determination of polycyclic aromatic hydrocarbons at ultra-trace levels in ice and snow samples. 2020 , 1631, 461589	8
687	Nanomaterials-based solid phase extraction and solid phase microextraction for heavy metals food toxicity. 2020 , 145, 111704	32
686	Application of sorptive micro-extraction techniques for the pre-concentration of antibiotic drug residues from food samples - a review. 2020 , 37, 1865-1880	5
685	The effect of different binders on the comprehensive performance of solid phase microextraction fiber. 2020 , 1140, 50-59	7

684	Exploring a public database to evaluate consumer preference and aroma profile of lager beers by comprehensive two-dimensional gas chromatography and partial least squares regression discriminant analysis. 2020 , 1630, 461529	8
683	Using SPME-GC/REMPI-TOFMS to Measure the Volatile Odor-Active Compounds in Freshly Cooked Rice. 2020 , 5, 20638-20642	2
682	Electrodeposition of poly-ethylenedioxythiophene-graphene oxide nanocomposite in a stainless steel tube for solid-phase microextraction of letrozole in plasma samples. 2020 , 43, 4338-4346	8
681	Advancement in analytical techniques for the extraction of grape and wine volatile compounds. 2020 , 137, 109712	13
680	A review: Recent advances in solid phase microextraction of toxic pollutants using nanotechnology scenario. 2020 , 159, 105436	23
679	VOC fingerprints: metabolomic signatures of biothreat agents with and without antibiotic resistance. 2020 , 10, 11746	3
678	Introduction of a new procedure for the synthesis of polysulfone magnetic nanoparticles and their application in magnetic solid phase extraction for the extraction of some pesticides from fruit and vegetable juices. 2020 , 158, 105238	6
677	Analysis of Carbonate Decomposition During Solid Electrolyte Interphase Formation in Isotope-Labeled Lithium Ion Battery Electrolytes: Extending the Knowledge about Electrolyte Soluble Species. 2020 , 3, 1183-1192	9
676	A 96-Monolithic inorganic hollow fiber array as a new geometry for high throughput solid-phase microextraction of doxorubicin in water and human urine samples coupled with liquid chromatography-tandem mass spectrometry. 2020 , 1627, 461413	3
675	Comprehensive Analysis of Multi-residue Pesticides from Process Water Obtained from Wastewater Treatment Facilities Using Solid-Phase Microextraction. 2020 , 54, 15789-15799	11
674	Optimisation of Urine Sample Preparation for Headspace-Solid Phase Microextraction Gas Chromatography-Mass Spectrometry: Altering Sample pH, Sulphuric Acid Concentration and Phase Ratio. 2020 , 10,	1
673	Recent Advances and Future Trends in the Detection of Contaminants by Molecularly Imprinted Polymers in Food Samples. 2020 , 8, 616326	24
672	Analytical Tools for Disease Diagnosis in Animals via Fecal Volatilome. 2020 , 1-16	2
671	Review: Microextraction Technique Based New Trends in Food Analysis. 2020 , 1-32	0
670	Implementing Green Analytical Methodologies Using Solid-Phase Microextraction: A Review. 2020 , 25,	24
669	Ionic liquid-based membrane-protected micro-solid-phase extraction of organochlorine pesticides in environmental water samples. 2020 , 158, 105295	10
668	Trends in sample preparation and separation methods for the analysis of very polar and ionic compounds in environmental water and biota samples. 2020 , 412, 6149-6165	25
667	Microextraction and analysis of contaminants adsorbed on atmospheric fine particulate matter: A review. 2020 , 1627, 461433	7

- 666 In situ growth of zeolitic imidazolate framework-8 on woven cotton yarn for the thin film microextraction of quercetin in human plasma and food samples. **2020**, 1131, 45-55 12
- 665 Covalent Organic Frameworks in Sample Preparation. **2020**, 25, 15
- 664 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. **2020**, 27, 43870-43883 1
- 663 Electrospun polyamide/graphene oxide/polypyrrole composite nanofibers: an efficient sorbent for headspace solid phase microextraction of methamphetamine in urine samples followed by GC-MS analysis. **2020**, 44, 14429-14437 8
- 662 Development of Membrane-Based Inverted Liquid-Liquid Extraction for the Simultaneous Extraction of Eight Metals in Seawater before ICP-OES Analysis. **2020**, 25, 2
- 661 Development of gas chromatographic pattern recognition and classification tools for compliance and forensic analyses of fuels: A review. **2020**, 1132, 157-186 22
- 660 Modulated construction of imine-based covalent organic frameworks for efficient adsorption of polycyclic aromatic hydrocarbons from honey samples. **2020**, 1134, 50-57 14
- 659 Modulating the selectivity of solid-phase microextraction fibers based on morphological, compositional, and size-dependent control of bimetallic oxide nanostructures grown on nickel-titanium alloy substrates. **2020**, 187, 501 3
- 658 Molecularly imprinted polymers immobilized on graphene oxide film for monolithic fiber solid phase microextraction and ultrasensitive determination of triphenyl phosphate. **2020**, 1133, 1-10 14
- 657 Preparation and applications of metal-organic framework derived porous carbons as novel adsorbents in sample preparation. **2020**, 133, 116093 15
- 656 On-line HPLC/SPME Interface using dynamic extraction. **2020**, 1541, 012009 1
- 655 Simultaneous determination of multiple phytohormones in tomato by ionic liquid-functionalized carbon fibers-based solid-phase microextraction coupled with liquid chromatography-mass spectrometry. **2020**, 1137, 143-155 8
- 654 Self-assembly of dodecyl groups on titania nanorods coated a titanium fibre for rapid and efficient solid-phase microextraction of polycyclic aromatic hydrocarbons from environment water. **2020**, 1-15
- 653 Portable automated handheld sample collection-preparation instrument for airborne volatile substances. **2020**, 159, 105576 2
- 652 Analysis of urinary VOCs using mass spectrometric methods to diagnose cancer: A review. **2020**, 18, 27-37 8
- 651 Modern technologies for extraction of aroma compounds from fruit peels: a review. **2020**, 1-24 5
- 650 Combining microextraction methods with surface-enhanced Raman spectroscopy towards more selective and sensitive analyte detection by plasmonic metal nanoparticles. **2020**, 145, 6744-6752 4
- 649 A banana peel/silicon glue coated stir bar for extraction of aspirin, diclofenac, ibuprofen and mefenamic acid followed by high performance liquid chromatography-UV detection. **2020**, 12, 4429-4437 4

648	Comparison of In Situ and Ex Situ Equilibrium Passive Sampling for Measuring Freely Dissolved Concentrations of Parent and Alkylated Polycyclic Aromatic Hydrocarbons in Sediments. 2020 , 39, 2169-2179	4
647	Bacterial Volatile Compounds as Mediators of Airborne Interactions. 2020 ,	5
646	An Ag S@ZnS-coated fiber for efficient, long-life solid-phase microextraction of polycyclic aromatic hydrocarbons in water. 2020 , 43, 3646-3654	1
645	Thin Porous Poly(ionic liquid) Coatings for Enhanced Headspace Solid Phase Microextraction. 2020 , 12,	5
644	Passive Sampling for Determination of the Dissolved Concentrations and Chemical Activities of Organic Contaminants in Soil and Sediment Pore Waters. 2020 , 351-368	1
643	Oiling-out effect improves the efficiency of extracting aroma compounds from edible oil. 2020 , 4, 18	2
642	Gas Chromatography Olfactometry (GC-O) for the (Semi)Quantitative Screening of Wine Aroma. 2020 , 9,	10
641	Microextraction Techniques with Deep Eutectic Solvents. 2020 , 25,	25
640	Solid-Phase Microextraction Arrow for the Sampling of Volatile Organic Compounds in Milk Samples. 2020 , 7, 75	2
639	MIL-53(Al)/FeO nanocomposite for solid-phase microextraction of organophosphorus pesticides followed by GC-MS analysis. 2020 , 187, 647	16
638	Formulation of New Baking (+)-Catechin Based Leavening Agents: Effects on Rheology, Sensory and Antioxidant Features during Muffin Preparation. 2020 , 9,	3
637	A review of pretreatment and analysis of macrolides in food (Update Since 2010). 2020 , 1634, 461662	3
636	Solid-phase microextraction technique for sampling and preconcentration of polycyclic aromatic hydrocarbons: A review. 2020 , 157, 104967	20
635	Hydrodechlorination of hexachlorobenzene in a miniaturized nano-Pd(0) reaction system combined with the simultaneous extraction of all dechlorination products. 2020 , 275, 119100	10
634	Bioanalytical HPLC Applications of In-Tube Solid Phase Microextraction: A Two-Decade Overview. 2020 , 25,	13
633	Recent Advances in the Extraction of Polycyclic Aromatic Hydrocarbons from Environmental Samples. 2020 , 25,	23
632	Bleach-containing automatic toilet-bowl cleaners as sources of VOCs, associated indoor air concentrations and carcinogenic risk. 2020 , 11, 2251-2258	
631	Historical backgrounds, milestones in the field of development of separation and preconcentration methods. 2020 , 1-43	

630	Type of new generation separation and preconcentration methods. 2020 , 75-148	0
629	Reduced graphene oxide/ethylamine formaldehyde as a highly efficient platform for needle trap microextraction of volatile organic compounds. 2020 , 157, 104932	5
628	Lipid analysis and lipidomics investigation by ambient mass spectrometry. 2020 , 128, 115924	7
627	A heterogeneous pore decoration strategy on a hydrophobic microporous polymer for high-coverage capture of metabolites. 2020 , 56, 7167-7170	8
626	Preparation and application of graphene oxide-based surface molecularly imprinted polymer for monolithic fiber array solid phase microextraction of organophosphate flame retardants in environmental water. 2020 , 1623, 461200	9
625	Application of MIL-53(Al) prepared from waste materials for solid-phase microextraction of propranolol followed by corona discharge-ion mobility spectrometry (CD-IMS). 2020 , 189, 113418	3
624	Modification of polyacrylate sorbent coatings with carbodiimide crosslinker chemistry for sequence-selective DNA extraction using solid-phase microextraction. 2020 , 12, 3200-3204	0
623	Compound-specific carbon and hydrogen isotope analysis of volatile organic compounds using headspace solid-phase microextraction. 2020 , 219, 121264	3
622	Analytical Methods for Determining Pyrethroid Insecticides in Environmental and Food Matrices. 2020 , 17-45	
621	Use of Nanomaterial-Based (Micro)Extraction Techniques for the Determination of Cosmetic-Related Compounds. 2020 , 25,	4
620	Simultaneous homogeneous liquid-liquid microextraction and dispersive liquid-liquid microextraction for extraction of some plasticizers from polymeric containers and aqueous samples. 2020 , 1-12	1
619	Sample pre-treatment and analytical methodology for the simultaneous determination of pharmaceuticals and personal care products in sewage sludge. 2020 , 258, 127273	9
618	Effect of Peeling Method on The Volatile Flavor of Citrus Fruit. 2020 , 474, 032042	
617	Bioassay: A novel approach in antipsychotic pharmacology. 2020 , 509, 30-35	8
616	Tuning the extraction properties of ionogel-coated Solid-phase microextraction fibers based on the solvation properties of the ionic liquids. 2020 , 247, 116988	3
615	Application of temperature-assisted tandem dispersive liquid-liquid microextraction for the extraction and high preconcentration of triazole pesticides. 2020 , 1-17	1
614	Inside-tube solid-phase microextraction as an interlink between solid-phase microextraction and needle device for n-hexane evaluation in air and urine headspace. 2020 , 34, e4924	2
613	Growth of Carbonaceous Nanoparticles on Steel Fiber from Candle Flame for the Long-Term Preservation of Ultratrace Mercury by Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2020 , 92, 9583-9590	11

612	Trace analysis of Pb(II) in milk samples by Fe ₃ O ₄ @SiO ₂ @3-chloropropyltriethoxysilane@o-phenyldiamine nanoparticles as an unprecedented adsorbent for magnetic dispersive solid phase extraction. 2020 , 15, 390-395	4
611	Critical review of micro-extraction techniques used in the determination of polycyclic aromatic hydrocarbons in biological, environmental and food samples. 2020 , 37, 1004-1026	13
610	Exploring multiple-cumulative trapping solid-phase microextraction for olive oil aroma profiling. 2020 , 43, 1934-1941	4
609	Zirconium nanoparticles based solid phase extraction-slotted quartz tube-flame atomic absorption spectrophotometry for the determination of cadmium in wastewater samples and evaluation of green profile. 2020 , 1-10	6
608	Analytical Technique Optimization on the Detection of Cyclocitral in Species. 2020 , 25,	0
607	Emerging micropollutants determination by NIR spectroscopy using pseudo-univariate calibration and TF-SPME coupled with 96-well plate system. 2020 , 155, 104789	3
606	A non-lethal SPME-LC/MS method for the analysis of plastic-associated contaminants in coral reef invertebrates. 2020 , 12, 1935-1942	16
605	Solid-phase microextraction coatings based on the metal-organic framework ZIF-8: Ensuring stable and reusable fibers. 2020 , 215, 120910	23
604	Accurate and Sensitive Analytical Method for the Determination of Cyclanilide in Cotton and Cosmetic Pads at Trace Levels Using the Combination of Vortex Assisted Iron(II,III)/Reduced Graphene Oxide Nanocomposite Based Dispersive Solid Phase Extraction and High Performance Liquid Chromatography (HPLC). 2020 , 53, 2278-2291	
603	Miniaturised air sampling techniques for analysis of volatile organic compounds in air. 2020 , 126, 115873	23
602	Development of a solid-phase microextraction method for fast analysis of cyclic volatile methylsiloxanes in water. 2020 , 250, 126304	4
601	Passive and grab sampling methods to assess pesticide residues in water. A review. 2020 , 18, 1019-1048	21
600	Recent advances and applications of magnetic nanomaterials in environmental sample analysis. 2020 , 126, 115864	39
599	Dispersive Liquid-Liquid Microextraction for the Quantitation of Terpenes in Wine. 2020 , 68, 13302-13309	4
598	Volatile Organic Compounds Profile in White Sturgeon Caviar at Different Stages of Ripening by Multiple Headspace Solid Phase Microextraction. 2020 , 25,	3
597	Turn-on fluorimetric sensor for water dispersed volatile organic compounds - A nanosponge approach. 2020 , 311, 127904	8
596	Development of a solid-phase microextraction LC-MS/MS method for determination of oxidative stress biomarkers in biofluids. 2020 , 43, 1925-1933	3
595	Review of pesticide residue analysis in fruits and vegetables. Pre-treatment, extraction and detection techniques. 2020 , 133, 109141	93

594 Advances in Solid-Phase Microextraction. **2020**, 7, 34

593 What the lab can and cannot do: clinical interpretation of drug testing results. **2020**, 57, 548-585 3

592 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. **2020**, 2, 1 0

591 Innovations in Extractive Phases for In-Tube Solid-Phase Microextraction Coupled to Miniaturized Liquid Chromatography: A Critical Review. **2020**, 25, 13

590 Bioanalysis of pharmaceuticals using liquid-phase microextraction combined with liquid chromatography-mass spectrometry. **2020**, 189, 113446 23

589 Risks and challenges of pesticides in aquatic environments. **2020**, 179-213 3

588 Interface for Reproducible, Multishot Direct Analysis of Solid-Phase Microextraction Samples. *Analytical Chemistry*, **2020**, 92, 4182-4186 7.8 7

587 Direct immersion single-drop microextraction of semi-volatile organic compounds in environmental samples: A review. **2020**, 393, 122403 16

586 Multiple solid phase microextraction combined with ambient mass spectrometry for rapid and sensitive detection of trace chemical compounds in aqueous solution. **2020**, 1107, 101-106 11

585 Nanocrystalline cellulose as a biotemplate for preparation of porous titania thin film as a sorbent for thin film microextraction of ketorolac, meloxicam, diclofenac and mefenamic acid. **2020**, 1142, 122039 13

584 New Advanced Materials and Sorbent-Based Microextraction Techniques as Strategies in Sample Preparation to Improve the Determination of Natural Toxins in Food Samples. **2020**, 25, 22

583 MASS SPECTROMETRY ANALYSIS OF DRUGS OF ABUSE: CHALLENGES AND EMERGING STRATEGIES. **2020**, 39, 703-744 18

582 Extraction, Identification and Quantification Methods of Rice Aroma Compounds with Emphasis on 2-Acetyl-1-Pyrroline (2-AP) and Its Relationship with Rice Quality: A Comprehensive Review. **2020**, 1-52 10

581 Trends in sensitive detection and rapid removal of sulfonamides: A review. **2020**, 43, 1634-1652 13

580 Automated Mixed Matrix Membrane Microextraction Prior to Liquid Chromatography for the Determination of Chlorophenoxy Acid Herbicides in Sewage Water Samples. **2020**, 83, 497-505 1

579 Facile construction of superhydrophobic hybrids of metal-organic framework grown on nanosheet for high-performance extraction of benzene homologues. **2020**, 211, 120706 7

578 Application, monitoring and adverse effects in pesticide use: The importance of reinforcement of Good Agricultural Practices (GAPs). **2020**, 260, 109987 38

577 Potential carcinogenic heterocyclic aromatic amines (HAAs) in foodstuffs: Formation, extraction, analytical methods, and mitigation strategies. **2020**, 19, 365-404 39

576	Solid-Phase Microextraction. 2020 , 25,		2
575	Solid-Phase Microextraction Enables Isolation of BRAF V600E Circulating Tumor DNA from Human Plasma for Detection with a Molecular Beacon Loop-Mediated Isothermal Amplification Assay. <i>Analytical Chemistry</i> , 2020 , 92, 3346-3353	7.8	11
574	Evolution of Environmentally Friendly Strategies for Metal Extraction. 2020 , 7, 4		22
573	Recent Advances in the HPLC Analysis of Tricyclic Antidepressants in Bio-Samples. 2020 , 20, 24-38		5
572	The Influence of Ionic Liquids on the Effectiveness of Analytical Methods Used in the Monitoring of Human and Veterinary Pharmaceuticals in Biological and Environmental Samples-Trends and Perspectives. 2020 , 25,		7
571	Structure and sorption properties of multifunctional acrylic polymers designed for solid phase microextraction fibers. 2020 , 190, 122191		
570	Determination of Volatile Water Pollutants Using Cross-Linked Polymeric Ionic Liquid as Solid Phase Micro-Extraction Coatings. 2020 , 12,		7
569	Design and optimization of the VA-TV-SPME method for ultrasensitive determination of the PAHs in polluted water. 2020 , 212, 120809		16
568	Exploiting agarose gel modified with glucose-fructose syrup as a green sorbent in rotating-disk sorptive extraction technique for the determination of trace malondialdehyde in biological and food samples. 2020 , 217, 121001		9
567	Functionalized nanomaterials in dispersive solid phase extraction: Advances & prospects. 2020 , 127, 115893		72
566	Development of a HS-SPME-GC-MS method for the analysis of phthalates in glycerin and liquid paraffin: application to safety evaluation of cosmetic packagings. 2020 , 412, 5157-5168		4
565	A facile cooling-assisted solid-phase microextraction device for solvent-free sampling of polycyclic aromatic hydrocarbons from soil based on matrix solid-phase dispersion technique. 2020 , 1115, 7-15		11
564	Volatile organic compounds (VOCs) in solid waste landfill cover soil: Chemical and isotopic composition vs. degradation processes. 2020 , 726, 138326		16
563	Rational integration of porous organic polymer and multiwall carbon nanotube for the microextraction of polycyclic aromatic hydrocarbons. 2020 , 187, 284		5
562	Quantification of N-Nitrosamines in white Wine using Headspace Solid-phase Microextraction and Gas Chromatography/Mass Spectrometry. 2020 , 75, 519-525		
561	Polyoxomolybdate /polyaniline nanocomposite as a novel fiber for solid-phase microextraction of antidepressant drugs in biological samples. 2020 , 43, 2636-2645		7
560	Hollow Fiber Liquid-Phase Microextraction At-Line Coupled to Capillary Electrophoresis for Direct Analysis of Human Body Fluids. <i>Analytical Chemistry</i> , 2020 , 92, 7171-7178	7.8	9
559	Performance of butyl rubber-based macroporous sorbents as passive samplers. 2021 , 28, 3766-3773		2

558	Detection of l-Methamphetamine and l-Amphetamine as Selegiline Metabolites. 2021 , 45, 99-104		6
557	Synthesis of an organic-inorganic hybrid absorbent for in-tube solid-phase microextraction of bisphenol A. 2021 , 44, 1122-1129		3
556	Sample Preparation in Foodomics: Miniaturized Solid-Phase Extraction. 2021 , 566-580		
555	Deep eutectic solvent-based ligandless ultrasound-assisted liquid-phase microextraction for extraction of cobalt ions from food samples prior to spectrophotometric determination. 2021 , 18, 893-902		7
554	Sensing Food Contaminants: Advances in Analytical Methods and Techniques. <i>Analytical Chemistry</i> , 2021 , 93, 23-40	7.8	21
553	Copper and nitrogen-doped carbon dots as an anti-interference fluorescent probe combined with magnetic material purification for nicotine detection. 2021 , 160, 105708		3
552	A comprehensive review on application of the syringe in liquid- and solid-phase microextraction methods. 2021 , 18, 245-264		6
551	Analysis of 16 phthalate esters in wastewater from textile plants using headspace solid-phase microextraction and gas chromatography with mass spectrometric detection. 2021 , 91, 306-315		0
550	Novel materials for dispersive (micro) solid-phase extraction of polycyclic aromatic hydrocarbons in environmental water samples: A review. 2021 , 1141, 246-262		34
549	Endocrine-disrupting compounds surveying in polyethylene packed injection solutions using microwave-accelerated air-assisted liquid-liquid microextraction based on solidification of deep eutectic solvent. 2021 , 56, 1579-1588		4
548	Description of the volatile fraction of Erica honey from the northwest of the Iberian Peninsula. 2021 , 336, 127758		12
547	Characterization of the key aroma compounds in Laoshan green teas by application of odour activity value (OAV), gas chromatography-mass spectrometry-olfactometry (GC-MS-O) and comprehensive two-dimensional gas chromatography mass spectrometry (GC/GC-qMS). 2021 , 339, 128121		27
546	Antibacterial applications and safety issues of silica-based materials: A review. 2021 , 18, 289-301		7
545	Synthesis of graphitic carbon nitride on 3D porous anodized aluminum wire as new fiber for microextraction of polycyclic aromatic hydrocarbons in water and wastewater samples. 2021 , 56, 2398-2406		2
544	Fabrication of montmorillonite/ionic liquid composite coated solid-phase microextraction fibers for determination of phenolic compounds in fruit juices by gas chromatography and liquid chromatography. 2021 , 1635, 461741		9
543	Recent advances and applications of molecularly imprinted polymers in solid-phase extraction for real sample analysis. 2021 , 44, 274-309		19
542	Miniaturized analytical methods for determination of environmental contaminants of emerging concern - A review. 2021 , 1158, 238108		20
541	Modern microextraction techniques for natural products. 2021 , 42, 219-232		1

540	An overview on the recent applications of agarose as a green biopolymer in micro-extraction-based sample preparation techniques. 2021 , 224, 121892	18
539	Highly efficient solid-phase microextraction of polycyclic aromatic hydrocarbons in water based on worm-like nickel-titanium oxide nanocomposites coating grown on a nickel-titanium alloy wire by low-voltage anodization. 2021 , 44, 628-635	2
538	Direct Coupling of Bio-SPME to Liquid Electron Ionization-MS/MS via a Modified Microfluidic Open Interface. 2021 , 32, 262-269	4
537	Copper ferrite nanoparticles as novel coating appropriated to solid-phase microextraction of phthalate esters from aqueous matrices. 2021 , 162, 105845	8
536	In-tube solid-phase microextraction: Current trends and future perspectives. 2021 , 1636, 461787	20
535	A stability study of carbonyl compounds in Tedlar bags by a fabricated MEMS microreactor approach. 2021 , 160, 105611	1
534	The role of sample preparation in multidimensional gas chromatographic separations for non-targeted analysis with the focus on recent biomedical, food, and plant applications. 2021 , 44, 188-210	8
533	Eupatorium buniifolium aroma profile assessment by HS-SPME, steam distillation and organic solvent extraction. 2021 , 33, 80-93	1
532	Flexible dispersive liquid-liquid microextraction for on-site sample pre-concentration. 2021 , 101, 281-299	1
531	Applications for Passive Sampling of Hydrophobic Organic Contaminants in Water-A Review. 2021 , 51, 20-54	17
530	Gas-cycle-assisted headspace solid-phase microextraction coupled with gas chromatography for rapid analysis of organic pollutants. 2021 , 57, 8810-8813	8
529	Chromatographic Methods for the Determination of Phthalic Acid Esters in Different Samples. 2021 , 76, 41-56	4
528	Environmentally Friendly Solvents for Sample Preparation in Foodomics. 2021 , 536-565	1
527	Recent development of antibiotic detection in food and environment: the combination of sensors and nanomaterials. 2021 , 188, 21	19
526	Comparison of Fruit Quality Characteristics of Berries. 2021 , 12, 907-915	0
525	Preparation of Monolithic Fibers in Fused Silica Capillary Molds for Molecularly Imprinted Solid-Phase Microextraction. 2021 , 2359, 153-162	
524	Field and portable instruments for gas chromatography. 2021 , 469-486	1
523	Solid-phase extraction. 2021 , 281-421	0

522	Arsenic in Seafood: Current Status, Analysis, and Toxicity. 2021 , 65-94	0
521	Slight induction and strong inhibition of hatching by short-chain molecules released by different plant species. 2021 , 53,	0
520	Application of microextraction techniques in alternative biological matrices with focus on forensic toxicology: a review. 2021 , 13, 45-64	4
519	A review of gas chromatographic techniques for identification of aqueous amine degradation products in carbonated environments. 2021 , 28, 6324-6348	3
518	Perspectives on nanocomposite with polypyrrole and nanoparticles. 2021 , 103-128	
517	Volatile Metabolic Markers for Monitoring subsp. Using Headspace Solid-Phase Microextraction Coupled with Gas Chromatography-Mass Spectrometry. 2021 , 31, 70-78	2
516	Zeolitic imidazolate frameworks in analytical sample preparation. 2021 , 44, 1203-1219	3
515	In-situ formation of Zn-Al layered double oxides on electrochemically anodized nanoporous aluminum film as sorbent for chlorophenols extraction from water and wastewater followed by determination using HPLC. 2021 , 44, 1264-1272	2
514	Recent Advances in Speciation Analysis of Trace Antimony in Environmental and Biological Samples Based on Cloud Point Extraction and Spectrometric Methods. 2021 , 49-77	0
513	Application of combined extraction and microextraction techniques for food waste. 2021 , 711-722	1
512	Nanoscale Affinity Double Layer Overcomes the Poor Antimatrix Interference Capability of Aptamers. <i>Analytical Chemistry</i> , 2021 , 93, 4317-4325	7.8 2
511	Nanoparticles Based Extraction Strategies for Accurate and Sensitive Determination of Different Pesticides. 2021 , 1-16	1
510	The Application of Essential Oil Vapors at the End of Vacuum Cooling of Fresh Culinary Herbs Promotes Aromatic Recovery. 2021 , 10,	
509	In-situ grafting temperature-responsive hydrogel as a bifunctional solid-phase microextraction coating for tunable extraction of biomacromolecules. 2021 , 1639, 461928	0
508	Electromembrane extraction of peptides and amino acids - status and perspectives. 2021 , 13, 277-289	3
507	New Trend in the Extraction of Pesticides from the Environmental and Food Samples Applying Microextraction Based Green Chemistry Scenario: A Review. 2021 , 1-27	1
506	Selectively Determination Trace Amounts of Polycyclic Aromatic Hydrocarbons from Water and Wastewater Matrices Using Graphitic Carbon Nitride/Layered Double Hydroxide Nanocomposite on Porous Anodized Aluminum Wire as SPME Fiber. 1-10	1
505	One extraction tool for extrapolation? SPME-based metabolomics of 2D, 3D, and mouse melanoma models. 2021 , 11, 667-674	2

504	Assessment of commercial porous polyethylene frit for extraction of polycyclic aromatic hydrocarbons from water. 2021 , 413, 3005-3015	
503	Recent advances of covalent organic frameworks and their application in sample preparation of biological analysis. 2021 , 136, 116182	15
502	Sample preparation and instrumental methods for illicit drugs in environmental and biological samples: A review. 2021 , 1640, 461961	15
501	Studying dynamic aroma release by headspace-solid phase microextraction-gas chromatography-ion mobility spectrometry (HS-SPME-GC-IMS): method optimization, validation, and application. 2021 , 413, 2577-2586	2
500	Simple determination of valproic acid serum concentrations using BioSPME followed by gas chromatography-mass spectrometric analysis. 2021 , 1167, 122574	1
499	Recent Trends in Adsorbent-Based Microextraction of Micropollutants in Environmental Waters. 2021 , 7, 89-103	2
498	Miniaturized sample preparation techniques and ambient mass spectrometry as approaches for food residue analysis. 2021 , 1640, 461949	4
497	Development of an Ion-Pair Dispersive Liquid-Liquid Microextraction Method Based on a Ternary Deep Eutectic Solvent for Determination of Some Herbicide Residues in Edible Oil Samples. 2021 ,	
496	Recent Applications of Solid Phase Microextraction Coupled to Liquid Chromatography. 2021 , 8, 34	5
495	Differentiation of fatty acid, amino acid, and volatile composition in waxy and non-waxy proso millet.	
494	Identification of volatile compounds of Turkish local strawberry genotypes using various extraction techniques by GC/MS. 2021 , 873-878	1
493	Tephritid Fruit Fly Semiochemicals: Current Knowledge and Future Perspectives. 2021 , 12,	12
492	Recent advances of covalent organic frameworks for solid-phase microextraction. 2021 , 137, 116208	38
491	Hybrid ZIF-8-90 for Selective Solid-Phase Microextraction of Exhaled Breath from Gastric Cancer Patients.. 2021 , 4, 3608-3613	4
490	Quantification of Volatile Compounds in Wines by HS-SPME-GC/MS: Critical Issues and Use of Multivariate Statistics in Method Optimization. 2021 , 9, 662	6
489	Fundamentals and applications of stir bar sorptive dispersive microextraction: A tutorial review. 2021 , 1153, 338271	16
488	Headspace Solid-Phase Microextraction Following Chemical Vapor Generation for Ultrasensitive, Matrix Effect-Free Detection of Nitrite by Microplasma Optical Emission Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 6972-6979	7.8 2
487	Schiff base network-1 incorporated monolithic column for in-tube solid phase microextraction of antiepileptic drugs in human plasma. 2021 , 226, 122098	6

- 486 Review Research Progress in Detection Technology of Polycyclic Aromatic Hydrocarbons. **2021**, 168, 057528 2
- 485 Multivariate Optimization of an SPME Technique for GC-MS Analysis of Urinary BTX. **2021**, 26, 12691-12698 1
- 484 Development of a HS-SPME/GC-MS Method for the Extraction and Identification of the Volatile Compounds Emitted by Flowers of. **2021**, 6, 12691-12698 1
- 483 Metal-Organic Frameworks in Bioanalysis: Extraction of Small Organic Molecules. **2021**, 8, 60 3
- 482 Green Bioanalytical Applications of Graphene Oxide for the Extraction of Small Organic Molecules. **2021**, 26, 116232 1
- 481 Ferrofluids-based microextraction systems to process organic and inorganic targets: The state-of-the-art advances and applications. **2021**, 138, 116232 7
- 480 Molecularly imprinted polymers for food applications: A review. **2021**, 111, 642-669 19
- 479 Marine volatile organic compounds and their impacts on marine aerosol-A review. **2021**, 768, 145054 7
- 478 Green sample preparation of alternative biosamples in forensic toxicology. **2021**, 20, 100388 9
- 477 Application of HKUST-1 metal-organic framework as coating for headspace solid-phase microextraction of some addictive drugs. **2021**, 44, 2814-2823 1
- 476 Polymeric metal-containing ionic liquid sorbent coating for the determination of amines using headspace solid-phase microextraction. **2021**, 44, 2620-2630 2
- 475 In situ growth of copper-based metal-organic framework nanoarrays on copper wire for solid-phase microextraction of polycyclic aromatic hydrocarbons. **2021**, 164, 106078 6
- 474 Determinations of new psychoactive substances in biological matrices with focus on microextraction techniques: a review of fundamentals and state-of-the-art extraction methods. **2021**, 39, 350 2
- 473 Facile fabrication of composited solid phase microextraction thin membranes for sensitive detections of trace hydroxylated polycyclic aromatic hydrocarbons in human urine. **2021**, 1158, 338422 5
- 472 Evaluation of Volatile Organic Compounds from Broccoli Plants Infested with Myzus persicae and Parasitoids Aphidius colemani Attraction. **2021**, 761, 012029 2
- 471 Headspace Solid-Phase Microextraction Analysis of Volatile Components in Peanut Oil. **2021**, 26, 1158, 338414 2
- 470 Green bioanalytical sample preparation: fabric phase sorptive extraction. **2021**, 13, 693-710 5
- 469 A computational simulation of electromembrane extraction based on Poisson - Nernst - Planck equations. **2021**, 1158, 338414 7

468	An Improvement of SPME-Based Sampling Technique to Collect Volatile Organic Compounds from at the Environmental Level. 2021 , 11,	0
467	Towards a universal automated and miniaturized sample preparation approach. 2021 , 21, 100427	4
466	Synthesis and characterisation of MCM-41@SiO ₂ -NH-pydc as a new nano mesoporous sorbent: application for the simultaneous preconcentration of cationic dyes previous spectrophotometric determination, using taguchi experimental design. 1-19	2
465	Trends in microextraction approaches for handling human hair extracts - A review. 2021 , 1185, 338792	2
464	Radial diffusion model for fragrance materials: Prediction and validation. 2021 , 67, e17351	1
463	Synergistic combination of polyamide-coated paper-based sorptive phase for the extraction of antibiotics in saliva. 2021 , 1164, 338512	4
462	Fundamentals of and recent advances in sorbent-based headspace extractions. 2021 , 139, 116252	13
461	Determination of the Synthetic Antioxidants Butylated Hydroxyanisole (BHA) and Butylated Hydroxytoluene (BHT) by Matrix Acidity-Induced Switchable Hydrophilicity Solvent-Based Homogeneous Liquid-Liquid Microextraction (MAI-SHS-HLLME) and High-Performance Liquid Chromatography with Ultraviolet Detection (HPLC-UV). 1-15	1
460	Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. 2021 , 22,	7
459	Metabolic Profiling and Quantitative Analysis of Cerebrospinal Fluid Using Gas Chromatography-Mass Spectrometry: Current Methods and Future Perspectives. 2021 , 26,	5
458	6-Phenylhexyl silane derivatized, sputtered silicon solid phase microextraction fiber for the parts-per-trillion detection of polyaromatic hydrocarbons in water and baby formula. 2021 , 44, 2824-2836	1
457	Development of porous carbon/polydimethylsiloxane thin-film solid-phase microextraction membranes to facilitate on-site sampling of volatile organic compounds. 2021 , 21, 100435	3
456	Electrospun Polyacrylonitrile/Clinoptilolite Coating for SPME of PAHs from Water Samples. 2021 ,	0
455	Rapid Analysis of Biological Samples Using Monolithic Polymer-Based In-Tube Solid-Phase Microextraction with Direct Mass Spectrometry.. 2021 , 4, 6236-6243	2
454	Atrazine: From Detection to Remediation [A Minireview. 1-16	0
453	Changes in the Flavor Compounds in Soy Sauce Stored in Antioxidation Containers. 2021 , 68, 306-318	
452	Silver nanoparticle-decorated TiO nanotube array for solid-phase microextraction and SERS detection of antibiotic residue in milk. 2021 , 255, 119652	10
451	Effect of Different Parameters on Volatile Composition of the Different Parts of Cymbopogon schoenanthus L. Spreng (Poaceae) Extracted by Headspace Solid-phase Microextraction and Hydrodistillation. 2021 , 24, 841-862	0

450	Authentication of the Botanical and Geographical Origin and Detection of Adulteration of Olive Oil Using Gas Chromatography, Infrared and Raman Spectroscopy Techniques: A Review. 2021 , 10,	3
449	Joint action of Pb1 and Pb2 provide dominant complementary resistance against new races of <i>Peronospora belbahrii</i> (Basil Downy Mildew). 2021 ,	0
448	Investigating Bacterial Volatilome for the Classification and Identification of Mycobacterial Species by HS-SPME-GC-MS and Machine Learning. 2021 , 26,	0
447	Combination of single-point standard addition calibration and natural internal standardization for quantification of terpenes in Pisco samples. 2021 , 147, 111551	
446	Recent advances in the extraction of triazine herbicides from water samples. 2021 ,	5
445	A method for gaining a deeper insight into the aroma profile of olive oil. 2021 , 5, 16	1
444	Lung cancer detection via breath by electronic nose enhanced with a sparse group feature selection approach. 2021 , 339, 129896	13
443	Sampling of Volatiles in Closed Systems: A Controlled Comparison of Three Solventless Volatile Collection Methods. 2021 , 47, 930-940	0
442	Quality papers on sample preparation and extraction. 2021 , 3, 100043	1
441	Recent Advances in Sample Preparation for Cosmetics and Personal Care Products Analysis. 2021 , 26,	7
440	A solid-phase microextraction fiber coating based on magnetic covalent organic framework for highly efficient extraction of triclosan and methyltriclosan in environmental water and human urine samples. 2021 , 219, 112319	3
439	In-vessel headspace liquid-phase microextraction. 2021 , 1172, 338670	4
438	Pesticide residues in various environmental and biological matrices: distribution, extraction, and analytical procedures. 2021 , 1	2
437	Sheathed in-situ room-temperature growth covalent organic framework solid-phase microextraction fiber for detecting ultratrace polybrominated diphenyl ethers from environmental samples. 2021 , 1176, 338772	7
436	A new generation of solid-phase microextraction based on breathing of metal organic framework nanorods MOF-508 for the determination of diazinon and chlorpyrifos in wheat samples. 2021 , 171, 106876	3
435	Synthesis of hypercrosslinked polymers for efficient solid-phase microextraction of polycyclic aromatic hydrocarbons and their derivatives followed by gas chromatography-mass spectrometry determination. 2021 , 1653, 462428	3
434	Molecularly imprinted polypyrrole@CuO nanocomposite as an in-tube solid-phase microextraction coating for selective extraction of carbamazepine from biological samples. 2021 , 204, 114256	4
433	Recent advances in sample preparation techniques for quantitative detection of pharmaceuticals in biological samples. 2021 , 142, 116318	6

- 432 An Electrochemical Approach to Quantification of Volatile Organic Solvents Dispersed in Solution □ Towards Bipolar Electrode Sensors. 1
- 431 Green method to determine triazine pesticides in water using Rotating Disk Sorptive Extraction (RDSE). **2021**, 7, e07878
- 430 Optimization of HS-SPME for GC-MS Analysis and Its Application in Characterization of Volatile Compounds in Sweet Potato. **2021**, 26, 1
- 429 HPLC Bioassay of Elvitegravir using a Molecularly Imprinted Polymer Based Solid Phase Extraction in RAT Plasma: Application to Pharmacokinetic Studies. **2021**, 76, 1172-1181
- 428 Temperature and time-controlled hydrothermal growth and sorption selectivity of titania nanowires on titanium fiber for highly efficient solid-phase microextraction. **2021**, 1653, 462400 2
- 427 Comparison of microbiota and volatile organic compounds in milk from different sheep breeds. **2021**, 104, 12303-12311 1
- 426 Analytical Extraction Methods and Sorbents' Development for Simultaneous Determination of Organophosphorus Pesticides' Residues in Food and Water Samples: A Review. **2021**, 26, 3
- 425 Pesticide residues in groundwater and surface water: recent advances in solid-phase extraction and solid-phase microextraction sample preparation methods for multiclass analysis by gas chromatography-mass spectrometry. **2021**, 168, 106359 12
- 424 Core-shell structured FeO/CeO@MnO microspheres with abundant surface oxygen for sensitive solid-phase microextraction of polycyclic aromatic hydrocarbons from water. **2021**, 188, 337 3
- 423 Determination of psychoactive drugs in serum using conductive vial electromembrane extraction combined with UHPLC-MS/MS. **2021**, 1183, 122926 1
- 422 Ionogel sorbent coatings for determining organophosphorus and pyrethroid insecticides in water and fresh juice samples by headspace-solid phase microextraction. **2021**, 102, 104076 2
- 421 Development of monolith/aminated carbon nanotubes composite-based solid-phase microextraction of phenoxycarboxylic acids herbicides in water and soil samples. **2021**, 44, 4284-4294 0
- 420 Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. **2021**, 420, 126534 36
- 419 Hollow zeolitic imidazolate framework-7 coated stainless steel fiber for solid phase microextraction of volatile biomarkers in headspace gas of breast cancer cell lines. **2021**, 1181, 338901 5
- 418 Polydimethylsiloxane/divinylbenzene overcoated fiber and its application to extract and analyse wine volatile compounds by solid-phase microextraction and gas chromatography coupled to mass spectrometry: direct immersion, headspace or both?. **2021**, 148, 110632 2
- 417 Green miniaturized technologies in analytical and bioanalytical chemistry. **2021**, 143, 116383 10
- 416 Porous material-based sorbent coatings in solid-phase microextraction technique: Recent trends and future perspectives. **2021**, 143, 116386 6
- 415 Ferrofluids based analytical extractions and evaluation of their greenness. **2021**, 339, 116901 4

414	Novel hydrophobic deep eutectic solvents for ultrasound-assisted dispersive liquid-liquid microextraction of trace non-steroidal anti-inflammatory drugs in water and milk samples. 2021 , 170, 106686	8
413	Biopolymer-imidazolium based dicationic ionic liquid modified clay bionanocomposite coating for solid-phase microextraction of phthalate esters. 2021 , 170, 106648	1
412	Recent sample pretreatment methods for determination of selective serotonin reuptake inhibitors (SSRIs) in biological samples. 2021 , 206, 114364	1
411	In-situ fabrication of a chlorine-functionalized covalent organic framework coating for solid-phase microextraction of polychlorinated biphenyls in surface water. 2021 , 1186, 339120	5
410	Current trends and roles of surfactants for chromatographic and electrochemical sensing. 2021 , 144, 116418	4
409	Recent application of molecular imprinting technique in food safety. 2021 , 1657, 462579	11
408	Ultrasound-assisted electromembrane extraction with supported semi-liquid membrane. 2021 , 1184, 339038	2
407	Total sulfonamides determination in bovine milk using smartphone-based digital images. 2021 , 170, 106657	1
406	Efficient capture of carbamate and triazole pesticides in environmental waters by functional groups-rich monolithic fibers prior to chromatographic quantification. 2021 , 171, 106833	1
405	Plugged bifunctional periodic mesoporous organosilica as a high-performance solid phase microextraction coating for improving extraction efficiency of chlorophenols in different matrices. 2021 , 235, 122724	0
404	Covalent organic framework derived porous carbon as effective coating for solid phase microextraction of polycyclic aromatic hydrocarbons prior to gas-chromatography mass spectrometry analysis. 2021 , 4, 100060	0
403	Biodegradable materials and their applications in sample preparation techniques: A review. 2021 , 171, 106831	2
402	Solid-phase microextraction (SPME) for determination of geosmin and 2-methylisoborneol in volatile emissions from soil disturbance. 2021 , 284, 131333	0
401	Promises of a new versatile field-deployable sorbent tube thermodesorber by application to BTEX analysis in CH ₄ . 2021 , 4, 100066	1
400	Training grapevines generates a metabolomic signature of wine. 2022 , 368, 130665	2
399	Novel applications of nanotechnology in food safety assessment. 2021 , 461-505	1
398	Volatile Profiles of Five Variants of Flowers Using Headspace Solid-Phase Microextraction Gas Chromatography-Mass Spectrometry (HS-SPME-GC-MS) Analysis. 2021 , 10,	3
397	Applications of porous frameworks in solid-phase microextraction. 2021 , 44, 1231-1263	4

396	Supercritical Fluid Extraction (SFE), Solid-Phase Micro Extraction (SPME), and Stir Bar Sorption Extraction (SBSE) Techniques. 2021 , 219-227	1
395	Mechanical power driven SPME-SERS ultra-fast detection of illegal additives in aquaculture water.. 2021 , 11, 12893-12901	0
394	Chapter 4:Functionalized Magnetic Nanoparticles in Sample Pre-treatment. 2021 , 77-121	
393	Development of Poly(3,4-Ethylenedioxythiophene) (PEDOT) Electropolymerized Sorbent-Based Solid-Phase Microextraction (SPME) for the Determination of Parabens in Lake Waters by High-Performance Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS). 2021 , 54, 2452-2472	3
392	Carbon aerogel-based solid-phase microextraction coating for the analysis of organophosphorus pesticides. 2021 , 13, 69-76	7
391	Edible Oils Adulteration: A Review on Regulatory Compliance and Its Detection Technologies. 2021 , 70, 1343-1356	2
390	Sample Preparation: Extraction and Clean-Up. 125-152	2
389	Miniaturization. 339-387	2
388	Green Chemistry Considerations for Sample Preparation. 2011 , 333-354	3
387	Liquid-Liquid and Solid-Phase Extraction Techniques. 2011 , 63-92	3
386	Choice and use of standards for dynamic headspace trapping and application to the analysis of the volatiles of baked potato. 2001 , 488, 133-41	1
385	Automated, microprocessor controlled short path thermal desorption system for analysis of volatiles in foods. 2001 , 488, 187-201	1
384	Gc-olfactometry with solid phase microextraction of aroma volatiles from heated and unheated orange juice. 2001 , 488, 101-12	16
383	Headspace SPME-GC-MS metabolomics analysis of urinary volatile organic compounds (VOCs). 2014 , 1198, 265-72	12
382	Chemistry of the Secondary Metabolites of Termites. 2019 , 109, 1-384	2
381	Chemical Signals in Giant Panda Urine (<i>Ailuropoda melanoleuca</i>). 2016 , 363-379	0
380	Meat. 2017 , 29-30	1
379	Metallic Coatings in Solid-Phase Microextraction: Environmental Applications. 2018 , 217-243	2

378	Advanced Instrumental Analysis and Electronic Noses. 2007 , 313-361	1
377	Solid Phase Microextraction (SPME) for Determining the Freely Dissolved Concentrations of Oil Hydrocarbons. 2010 , 3583-3591	1
376	Bioavailability of Organic Contaminants in Freshwater Environments. 2012 , 25-53	7
375	The Effects of Volatile Metabolites from Rhizobacteria on Arabidopsis thaliana. 2013 , 379-400	3
374	Microestrazione in fase solida (SPME). 2014 , 177-214	2
373	Modern Sample Preparation Techniques for Gas Chromatography-Mass Spectrometry Analysis of Environmental Markers of Chemical Warfare Agents Use. 2014 , 33-67	1
372	In Vivo SPME for Bioanalysis in Environmental Monitoring and Toxicology. 2020 , 23-31	1
371	Recent Advances in Micro-extraction Based Analytical Approaches for Pesticides Analysis in Environmental Samples. 2020 , 281-318	3
370	Sampling, Detection, Identification, and Analysis of Bacterial Volatile Organic Compounds (VOCs). 2020 , 281-304	1
369	Accordion-like TiCT MXene nanosheets as a high-performance solid phase microextraction adsorbent for determination of polycyclic aromatic hydrocarbons using GC-MS. 2020 , 187, 151	14
368	Environmental and Biological Applications of Stir Bar Sorptive Extraction. 2012 , 797-818	1
367	Inlets and sampling. 2020 , 12, 141-203	6
366	Sputtered silicon solid phase microextraction fibers with a polydimethylsiloxane stationary phase with negligible carry-over and phase bleed. 2020 , 1623, 461065	8
365	A polymeric solid-phase microextraction fiber for the detection of pharmaceuticals in water samples. 2020 , 1623, 461171	8
364	Monolithic mixed matrix membrane based on polyethersulfone/functionalized MWCNTs nanocomposite as an SPME fiber: Application to extract chlorophenols from human urine and serum samples followed by GC-ECD. 2020 , 1150, 122190	7
363	Electrospun polyurethane fibers doped with manganese oxide nanoparticles as an effective adsorbent for determination of priority pollutant mono-nitrophenols in water samples. 2019 , 7, 102926	10
362	Headspace solid-phase microextraction of semi-volatile ultraviolet filters based on a superhydrophobic metal-organic framework stable in high-temperature steam. 2020 , 219, 121175	13
361	Chapter 1:Headspace Sampling: An Evergreen Method in Constant Evolution to Characterize Food Flavors through their Volatile Fraction. 2019 , 1-37	4

360	Identification of volatile compounds in cured Mexican vanilla (<i>Vanilla planifolia</i> G. Jackson) beans using headspace solid-phase microextraction with gas chromatography-mass spectrometry. 2016 , 71, 407-418	4
359	Toxicology and evaluation of microcystins. 2000 , 22, 69-72	7
358	Biodegradation of variable-chain-length alkanes at low temperatures by a psychrotrophic <i>Rhodococcus</i> sp. 1998 , 64, 2578-84	240
357	?????????????????. 2014 , 15, 199-202	2
356	Chemical assessment of the explosive chamber in the projector system of Hayabusa2 for asteroid sampling. 2020 , 72,	4
355	Solid-Phase Microextraction for the Analysis of Aromas and Flavors. 2001 ,	2
354	Determination of Pesticides in Food of Vegetal Origin. 2008 ,	1
353	Nitrosamines. 2008 , 687-705	1
352	New Developments in SPME. 1999 , 217-242	1
351	Aspects of Speciation. 2013 , 9-26	1
350	First Investigation of the Semiochemistry of South African Dung Beetle Species. 2014 , 77-118	3
349	Investigation of Tomato Plant Defence Response to Tobacco Mosaic Virus by Determination of Methyl Salicylate with SPME-Capillary GC-MS. 2004 , 59, 263-268	3
348	Genetically-based olfactory signatures persist despite dietary variation. 2008 , 3, e3591	43
347	Solid-phase microextraction-based cuticular hydrocarbon profiling for intraspecific delimitation in <i>Acyrtosiphon pisum</i> . 2017 , 12, e0184243	7
346	Green analytical solutions for sample preparation: solid phase microextraction and related techniques. 2020 , 5,	1
345	Pre-Concentration Approaches Combined with Capillary Electrophoresis in Bioanalysis of Chiral Cardiovascular Drugs. 2015 , 21, 229-243	23
344	A Comprehensive Sample Preparation Scheme for Accelerants in Suspect Arson Cases. 1999 , 44, 14501J	19
343	Application of Solid-Phase Microextraction to the Profiling of an Illicit Drug: Manufacturing Impurities in Illicit 4-Methoxyamphetamine. 1999 , 44, 14594J	19

342	The Detection and Analysis of Ignitable Liquid Residues Extracted from Human Skin Using SPME/GC. 2000 , 45, 14706J	24
341	Headspace/Solid-Phase Microextraction/Gas Chromatography-Mass Spectrometry: A Screening Technique for the Recovery and Identification of Volatile Organic Compounds (VOC's) in Postmortem Blood and Viscera Samples. 2001 , 46, 15073J	12
340	GC-MS of Ignitable Liquids Using Solvent-Desorbed SPME for Automated Analysis. 2003 , 48, 2002067	18
339	Solarizaõ em microcosmo: efeito de materiais vegetais na sobrevivência de fitopatógenos de solo e na produçã de voláteis. 2012 , 38, 123-130	2
338	Determination of the Fatty Acids in Beer by SPME.. 2005 , 51, 374-377	15
337	Stir Bar Sorptive Extraction - New Approach for the Determination of Some Beer Flavours.. 2008 , 54, 102-107	3
336	Application of some modern sample preparation procedures for quantitative determination of vicinal diketones in beer.. 2009 , 55, 66-72	4
335	Electrochemically Fabricated Solid Phase Microextraction Fibers and Their Applications in Food, Environmental and Clinical Analysis. 2019 , 15, 706-730	7
334	Headspace Analysis of Aroma Compounds Using Porous Adsorbents. 2011 , 5, 347-354	1
333	Comparison of Mainstream Smoke Composition from CR20 Resin Filter and Empty-Cavity Filter Cigarettes by Headspace SPME Coupled with GC/MS TOFMS and Chemometric Analysis. 2019 , 28, 231-249	1
332	On the mass spectrometric fragmentations of the bacterial sesterterpenes sesterterpenes A-C. 2020 , 16, 2807-2819	3
331	Analysis on Flavor Compounds of Jujube Brandy from Different Fermentation Heights by HS-SPME-GC/MS, E-nose and E-tongue. 2017 , 12, 332-344	1
330	HSSPME-GC/MS Study of the Aroma Volatiles of Allium species and Chemometric Interpretation for the Aroma Characteristics. 2006 , 1, 315-323	8
329	Trace Determination of Tamoxifen in Biological Fluids Using Hollow Fiber Liquid-Phase Microextraction Followed by High-Performance Liquid Chromatography-Ultraviolet Detection. 2011 , 02, 429-436	7
328	Multivariate Optimization of Volatile Compounds Extraction in Chardonnay Wine by Headspace-Solid Phase Micro Extraction and Gas Chromatography Coupled with Tandem Mass Spectrometry. 2016 , 07, 712-723	1
327	Comparison of Different Sampling Techniques for the Identification of Aromatic Hydrocarbons from Fire Effluents. 2019 , 10, 23-37	1
326	Determination of Volatile Organic Compounds (VOCs) Using Tedlar Bag/Solid-phase Microextraction/Gas Chromatography/Mass Spectrometry (SPME/GC/MS) in Ambient and Workplace Air. 2002 , 23, 488-496	23
325	Mulberry Paper Bag Solid Phase Extraction for the Analysis of Five Spice Flavors by Gas Chromatography-Mass Spectrometry. 2009 , 30, 35-42	6

324	Determination of Acaricides in Honey by Solid-Phase Extraction and Gas Chromatography / Mass Spectrometry. 2009 , 30, 61-66	8
323	Optimization of Disk Sorptive Extraction Based on Monolithic Material for the Determination of Aroma Compounds from <i>Lantana camara</i> L. by Gas Chromatography-Mass Spectrometry. 2011 , 32, 4275-4280	12
322	Identification of Coffee Fragrances Using Needle Trap Device-Gas Chromatograph/Mass Spectrometry (NTD-GC/MS). 2013 , 34, 1703-1707	11
321	Fabrication of In-needle Microextraction Device Using Nichrome Wire Coated with Poly(ethylene glycol) and Poly(dimethylsiloxane) for Determination of Volatile Compounds in Lavender Oils. 2014 , 35, 211-217	8
320	Determination of benzene, toluene, ethylbenzene and o-xylene in bottled waters by headspace solid-phase microextraction and gas chromatography/mass spectrometry. 2011 , 24, 119-126	2
319	Isolation of Volatiles Compounds in Banana by HS-SPME: Optimization for the Whole Fruit and Pulp. 2013 , 110-115	7
318	Preparation and Evaluation of Molding-type Solid-phase Extraction Media Binding with Commercially Available Adhesives. 2021 ,	1
317	A miniaturized method for fast, simple, and sensitive pesticide analysis in soils. 1	2
316	Application of Thin-Film Microextraction to Analyze Volatile Metabolites in A549 Cancer Cells. 2021 , 11,	1
315	Vacuum-assisted headspace thin-film microextraction: Theoretical formulation and method optimization for the extraction of polycyclic aromatic hydrocarbons from water samples. 2022 , 1189, 339217	2
314	Optimization of headspace solid-phase microextraction technique for the volatile compounds of <i>Prunus mahaleb</i> L. (mahaleb) kernel. 1	2
313	Applications of covalent organic frameworks and their composites in the extraction of pesticides from different samples. 2021 , 462612	4
312	Exploiting the capsule phase microextraction features in bioanalysis: Extraction of ibuprofen from urine samples. 2022 , 172, 106934	3
311	In Vivo Solid-Phase Microextraction and Applications in Environmental Sciences.	1
310	Changes in gaseous concentration of alkylpyrazine analogs affect mouse avoidance behavior. 2021 , 85, 2343-2351	
309	Modern Sample Preparation Techniques: A Brief Introduction.	2
308	Rapid simultaneous determination of ketamine and midazolam in biological samples using ion mobility spectrometry combined by headspace solid-phase microextraction. 2021 , 1658, 462609	4
307	Electrochemical investigation of a tulsi-holy basil-crude plant extract on graphitized mesoporous carbon nanomaterial surface: Selective electrocatalytic activity of surface-confined rosmarinic acid for phenyl hydrazine-pollutant oxidation reaction. 2021 , 901, 115757	

- 306 Comparing the extraction performance of cyclodextrin-containing supramolecular deep eutectic solvents versus conventional deep eutectic solvents by headspace single drop microextraction. **2021**, 1658, 462588 4
- 305 Understanding and Estimating Membrane/Water Partition Coefficients: Approaches to Derive Quantitative Structure Property Relationships. **2000**, 245-248
- 304 Demonstration of Volatile C19-Steroids in the Urine of Female Asian Elephants, *Elephas Maximus*. **2001**, 125-132
- 303 Application to Identification of Sweet Potatoes by Solid Phase Micro Extraction (SPME)-GC/MS of Their Low Volatile Components. **2005**, 53, 241-245
- 302 Application of solid-phase microextraction fibers as biomimetic sampling devices in ecotoxicology. **2005**,
- 301 Novel Analytical Methods for the Determination of Fuel Oxygenates in Water. **2007**, 1-30
- 300 Determination of Pesticides in Water. **2008**, 1
- 299 Development and Application of an Analytical Method for the Determination of Partition Coefficients of Tributyltin in the Forth and Clyde Canal, Glasgow, Scotland. **2009**, 6, 102119
- 298 Analysis of Pesticide Residues in Milk, Eggs, and Meat. **2009**, 481-495
- 297 Recent Trends in Sample Preparation for Pesticide Analysis. **2009**, 381-397
- 296 Flavor-Soy Protein Interactions. **2010**, 339-359 7
- 295 Aromas in Grape and Wine. **2010**, 411-442 1
- 294 Possibilities of Utilization of Modern Sample Preparation Methods for Gas Chromatographic Analysis of Beverages and Especially beer.. **2010**, 56, 358-366 3
- 293 Poly(dimethylsiloxane) Mini-disk Extraction. **2011**, 32, 3603-3609
- 292 Sequential stir bar sorptive extraction. **2011**, 1-20
- 291 Fungal Odor Analysis for Conservation of Cultural Properties. **2012**, 43, 211-216
- 290 Gas chromatographic analysis of chemical warfare agents. **2012**, 875-900
- 289 CHROMATOGRAPHY: RECENT PROGRESS. 150527103729000

288 Recent Research Progress in Stir Bar Sorptive Extraction. **2012**, 39, 1766-1773

287 Quantitative studies of floral color and floral scent. **2013**, 20, 308-316

286 A Method for Screening Lung Cancer Samples for Volatile, Organic Urinary Compounds as Biomarkers for Lung Cancer Using Solid-Phase Microextraction and Gas Chromatography Time-of-Flight Mass Spectrometry. **2013**, 61, 13-21

285 Occupational Hygiene: Gas Chromatography. **2013**,

284 A New SPME Thermal Desorption Interface for HPLC. **2013**, 03, 219-266

283 Monitoring of the Changes in Volatile Flavor Components in Oriental Melon Wine Using SPME. **2013**, 20, 207-214

2

282 - Endocrine-Disrupting Chemicals, Pharmaceuticals, and Personal Care Products. **2013**, 888-933

281 Endocrine-Disrupting Chemicals, Pharmaceuticals and Personal Care Products. **2013**, 871-915

280 Applications of microextraction techniques in environmental analysis. **2013**, 28, 1-13

279 Application of Solid-Phase Microextraction to the Recovery of Organic Explosives. **1998**, 43, 16093J

278 Pharmaceutical Applications. **1999**, 111-129

277 Forensic and Toxicology Applications. **1999**, 203-216

276 Nerve Agents and Their Detection. **2014**, 23, 217-223

0

275 Allium monanthum Flavors, Biological Activity and Characteristics according to collecting in Different Region. **2014**, 15, 5176-5185

274 Ionic Liquids and Polymeric Ionic Liquids in Analytical Environmental Applications. **2015**, 153-198

273 Modified Coated Copper Wire as a New Fiber for SPME-GC Analysis of Some Polycyclic Aromatic Hydrocarbons. **2016**, 07, 316-325

272 CHAPTER 15:Ionic Liquids in Wearable Chemical Sensors. **2017**, 416-455

271 Effect of Post-Harvest Radiation Processing and Storage on Volatile Profile of Minimally Processed Ready-to-Cook (RTC) Cauliflower. **2017**, 13, 68-75

- 270 Analysis of Plasticizers in Food and Environment. **2017**, 491-513
- 269 Analysis of Plasticizers in Food and Environment. **2017**, 491-513
- 268 QuEChERS and Other MRM Sample Preparation Methods. **2017**, 131-169 1
- 267 CHAPTER 12:Molecularly Imprinted Polymers: Providing Selectivity to Sample Preparation. **2018**, 379-411
- 266 Graphene and Derivatives | Sample Handling. **2018**, 340-340 1
- 265 Pesticide Analysis Techniques, Limitations, and Applications. **2019**, 301-317 0
- 264 Photopolymer coating of tapered optical fiber for chemical sensors. **2019**,
- 263 Comparative Study of Phenol and Pentachlorophenol Analysis Methods in Wastewater by SPME/GC-MS. **2019**, 22, 95-103 0
- 262 Graphene Oxide-Ionic Liquid Used As Solid-Phase Microextraction Coating For Polyphenolic Compounds' Extraction And Determination With GC-MS After On-Fiber Derivatization In Wine. 411-426 1
- 261 Protocols for Extraction of Pesticide Residues. **2021**, 77-128
- 260 Biosensors for single-cell metabolomic characterization. **2022**, 37-70 0
- 259 Spectrophotometric Determination of Zirconium by Dispersive Liquid-Liquid Microextraction based on Solidification of Floating Organic Droplets. **2020**, 32, 3191-3196
- 258 Challenges in the Analysis of Micro and Nanoplastics. **2020**, 1-26
- 257 Analysis of Secondary Metabolites in Breeding Research and Plant Breeding. **2020**, 207-231
- 256 Technological Developments in the Determination of Emerging Contaminants in Water. **2020**, 81-108
- 255 Hollow fiber-based liquid-phase microextraction and HPLC-UV determination of lovastatin in biological fluids. **2020**, 9, 203
- 254 Optimized Vortex-Assisted Dispersive Liquid-Liquid Microextraction Coupled with Spectrofluorimetry for Determination of Aspirin in Human Urine: Response Surface Methodology. **2020**, 16, 201-209 0
- 253 Chromatographic Analysis of Polymers. **2021**, 171-204

- 252 Porous covalent organic frameworks-improved solid phase microextraction ambient mass spectrometry for ultrasensitive analysis of tetrabromobisphenol-A analogs. **2021**, 2
- 251 PDMS-coated UiO-66-MOF solid-phase microextraction fiber for BTEX analysis with boosted performances. **2022**, 1189, 339259 0
- 250 Carbon fibers modified with carbon nanoparticles by a facile and fast flame preparation for in-tube solid-phase microextraction. **2021**, 103537 1
- 249 Urinary volatome profile of traditional tobacco smokers and electronic cigarettes users as a strategy to unveil potential health issues. **2021**,
- 248 Template-directed synthesis of three-dimensional metal organic framework 199-derived highly porous copper nano-foam fiber for solid-phase microextraction of some antibiotics prior to their quantification by High performance liquid chromatography. **2021**, 1660, 462677 0
- 247 Determination of Organic Compounds in Soils. **2006**, 89-145
- 246 SPME-GC analysis of alkanes and aromatic hydrocarbons in human breath to screen lung cancer. **2008**, 396-398
- 245 Development of magnetic solid phase extraction based on magnetic chitosan-graphene oxide nanoparticles and deep eutectic solvents for the determination of flavonoids by high performance liquid chromatography. **2021**, 2
- 244 Ionic liquid-based liquid-phase microextraction techniques. **2022**, 73-102
- 243 Ionic liquids and polymeric ionic liquids as sorbents in micro-solid-phase extraction and solid-phase microextraction. **2022**, 103-140 0
- 242 Attraction and toxicity: Ways volatile organic compounds released by Pochonia chlamydosporia affect Meloidogyne incognita. **2021**, 255, 126925 0
- 241 At-line coupling of hollow fiber liquid-phase microextraction to capillary electrophoresis for trace determination of acidic drugs in complex samples. **2022**, 238, 123068 3
- 240 Biochar nanosphere- and covalent organic framework nanosphere-functionalized titanium dioxide nanorod arrays on carbon fibers for solid-phase microextraction of organic pollutants. **2021**, 133645 0
- 239 Evaluation of New, Sputtered Carbon SPME Fibers with a Multi-Functional Group Test Mixture. **2021**, 8, 228 1
- 238 In situ hydrothermal growth of metal-organic gels coating for efficient solid-phase microextraction of pesticide residues. **2021**, 4, 100077 0
- 237 Development of aerogels in solid-phase extraction and microextraction. **2021**, 146, 116497 0
- 236 The Role of Gas Chromatography in Bioanalysis. **2022**, 361-376
- 235 Volatiles Emission by *V. vulnificans* after Insect Attack. **2021**, 26, 0

- 234 Analytical Aspects. **2022**, 55-190
- 233 Novel solid-phase microextraction fiber coatings: A review. **2021**, 7
- 232 Microextraction-based samplers for liquid and tissue analysis. **2021**, 131-158
- 231 Analytical sample treatment: basics and trends. **2021**, 1-11
- 230 Covalent organic frameworks as multifunctional materials for chemical detection. **2021**, 13
- 229 Analytical microextraction with supported liquid membranes. **2021**, 97-109
- 228 Modifying current thin-film microextraction (TFME) solutions for analyzing prohibited substances: Evaluating new coatings using liquid chromatography. **2022**, 0
- 227 An overview on nanostructure-modified supported liquid membranes for the electromembrane extraction method.. **2022**, 3
- 226 Ionic liquid-functionalized poly-N-phenylpyrrole coated on a NiTi alloy substrate for highly efficient solid-phase microextraction. 1
- 225 Disposable pipette extraction: A critical review of concepts, applications, and directions.. **2022**, 1192, 339383 2
- 224 Investigation of binding of fatty acids to serum albumin to determine free concentrations: Experimental and in-silico approaches.. **2022**, 1192, 339370 0
- 223 A green approach for in-tube solid phase microextraction of acidic red dyes from juice samples using chitosan/poly vinyl alcohol electrospun nanofibers. **2022**, 106, 104339 0
- 222 Enhancing enrichment ability of Co-Al- layered double hydroxides-mixed matrix membrane microextraction by deep eutectic solvent for analysis of warfarin in biological samples and its quantification via high-performance liquid chromatography-ultraviolet detection. **2022**, 175, 107167 2
- 221 Essential Oil Analysis of *Illicium anistum* L. Extracts. **2017**, 45, 682-688 5
- 220 Solid-phase microextraction. **2021**, 33-77
- 219 A metal-organic framework material-[Zn₂(btc)(atz)(H₂O)₂]₂H₂O (btc = benzene-1,2,4-tricarboxylic acid, artz = 4-amino-1,2,4-triazole) for the vortex-assisted porous membrane-protected micro-solid-phase extraction of UV filters in toner and water samples. 1
- 218 Carbon Dot-Decorated Graphite Carbon Nitride Composites for Enhanced Solid-Phase Microextraction of Chlorobenzenes from Water.. **2022**, 12, 2
- 217 Green Analytical Toxicology for the Determination of Cocaine Metabolites.. **2022**, 0

216	Ameliorative or corrective effects of Fig <i>Bicus carica</i> Extract on nickel-induced hepatotoxicity in Wistar rats. 1	1
215	Ethane-bridge periodic mesoporous organosilica materials as a novel fiber coating in headspace solid-phase microextraction of phthalate esters from saliva and PET container samples.. 2022, 414, 2285	1
214	Portable paper-in-tip spray ionization for the direct mass spectrometric analysis of target analytes in biofluid samples.. 2021,	1
213	Ionic liquids for the removal of pharmaceuticals and personal care products. 2022, 141-153	
212	Polyoxometalate-based materials in extraction, and electrochemical and optical detection methods: A review.. 2022, 1209, 339509	3
211	Selective solid-phase microextraction of polycyclic aromatic hydrocarbons in water based on oriented phosphorus-containing titanium oxide nanofibers grown on titanium support prior to HPLC-UV.. 2022,	0
210	Efficient solid phase microextraction of organic pollutants based on graphene oxide/chitosan aerogel.. 2022, 1195, 339462	5
209	Evaluating the environmental impacts of analytical chemistry methods: From a critical review towards a proposal using a life cycle approach. 2022, 147, 116525	1
208	Lotus-like Ni@NiO nanoparticles embedded porous carbon derived from MOF-74/cellulose nanocrystal hybrids as solid phase microextraction coating for ultrasensitive determination of chlorobenzenes from water.. 2022, 429, 128384	2
207	Sample preparation strategies for comprehensive volatile fingerprinting. 2022,	2
206	The miniaturization of liquid-phase extraction techniques. 2022, 63-93	0
205	Advanced Solid-Phase Microextraction Techniques and Related Automation: A Review of Commercially Available Technologies.. 2022, 2022, 8690569	1
204	Rotating sorptive extraction (RSE) as a green approach for determining pesticides from fruit and vegetable wash-water using GCMS. 2022, 1, 100003	0
203	Development of novel thin-film solid-phase microextraction materials based on deep eutectic solvents for preconcentration of trace amounts of parabens in surface waters.. 2022,	3
202	Sample Preparation of Cosmetic Products for the Determination of Heavy Metals. 2022, 9, 21	2
201	Critical review on microextraction techniques used in determination of histamine in food samples. 2022, 2, 1	2
200	Equilibrium passive sampling: A novel approach to determine internal tissue concentrations of hydrophobic organic compounds in biota.. 2022, 824, 153764	
199	Characteristics of enriched components from thermal dissolution extracts of Zhaotong lignite using solid phase microextraction. 2022, 314, 122791	0

198	Thin-film microextraction combined with comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry screening for presence of multiclass organic pollutants in drinking water samples.. 2022 , 242, 123301	3
197	From Exogenous to Endogenous: Advances in in Vivo Sampling in Living Systems.	
196	Development of a novel porous cobalt, phosphorus and nitrogen co-doped carbonaceous coating by phosphiding ZIF-67 grown on nitinol fiber for selective solid-phase microextraction of polycyclic aromatic hydrocarbons from water samples.. 2022 ,	0
195	A Critical Evaluation of Molecularly Imprinted Polymer (MIP) Coatings in Solid Phase Microextraction Devices.	
194	Challenges in the Analysis of Micro- and Nanoplastics. 2022 , 477-501	
193	Sample preparation techniques for quantitative analysis in brain pharmacokinetics: Application to neurodegenerative diseases. 2022 , 261-267	0
192	Separation Sciences in Poland. 2022 , 9, 50	
191	Profiling Real-Time Aroma from Green Tea Infusion during Brewing.. 2022 , 11,	0
190	New analytical methods for the determination of sulfur species with microextraction techniques: a review. 1-29	2
189	Recent Advances in Solid-Phase Extraction as a Platform for Sample Preparation in Biomarker Assay.. 2022 , 1-12	0
188	Thin Film Microextraction Enables Rapid Isolation and Recovery of DNA for Downstream Amplification Assays.. <i>Analytical Chemistry</i> , 2022 ,	7.8 0
187	Current development of bioanalytical sample preparation techniques in pharmaceuticals. 2022 ,	1
186	Determination of Nitrofurans Metabolites in Complex Food Matrices Using a Rough, Cheap, Easy-Made Wooden-Tip-Based Solid-Phase Microextraction Probe and LC-MS/MS. 2022 , 2022, 1-12	0
185	Multiresidue Determination of Fungicides in Wine by Solvent Demulsification-Dispersive Liquid-Liquid Microextraction and Ultra-High Performance Liquid Chromatography Tandem Mass Spectrometry. 1	
184	In situ self-assembly of three-dimensional porous graphene film on zinc fiber for solid-phase microextraction of polychlorinated biphenyls.. 2022 ,	1
183	Experimental methods in chemical engineering: Gas chromatography GC.	1
182	Current trends in the development of polymer-based monolithic stationary phases.	0
181	Smart Titanium Wire Used for the Evaluation of Hydrophobic/Hydrophilic Interaction by In-Tube Solid Phase Microextraction.. 2022 , 27,	2

- 180 A polydimethylsiloxane/deep eutectic solvent sol-gel thin film sorbent and its application to solid-phase microextraction of parabens.. **2022**, 1202, 339666 1
- 179 Recent advancements in techniques for analyzing modern, atypical antidepressants in complex biological matrices and their application in biomedical studies. **2022**, 116609
- 178 Hollow Fiber-Solid Phase Microextraction of Polycyclic Aromatic Hydrocarbons from Environment Water Followed by Flash Evaporation GC/MS. 1
- 177 Hydrothermal in situ growth and application of a novel flower-like phosphorous-doped titanium oxide nanoflakes on titanium alloy substrate for enhanced solid-phase microextraction of polycyclic aromatic hydrocarbons in water samples.. **2022**, 1208, 339808 0
- 176 ZIF-8/h-BN coated solid-phase microextraction fiber via physical coating technology and sol-gel technology for the determination of nitro polycyclic aromatic hydrocarbons from water samples. **2022**, 107471 0
- 175 Superficially capped amino metal-organic framework for efficient solid-phase microextraction of perfluorinated alkyl substances.. **2022**, 1669, 462959 2
- 174 Unsymmetrical dimethylhydrazine and related compounds in the environment: Recent updates on pretreatment, analysis, and removal techniques.. **2022**, 432, 128708 3
- 173 HS-SPME-GCMS characterization of volatile chemicals released from microwaving and conventional processing methods of fenugreek seeds and flours. **2022**, 182, 114824 1
- 172 Detection of pesticides in environmental and food matrix: A review. **2021**, 6, 158-167
- 171 Development of Ldh/Pegs Nanocomposite Materials as Solid Phase Microextraction Fiber Coatings for the Determination of Pesticides in Cucumber and Tomato Samples.
- 170 Novel N-riched covalent organic framework for solid-phase microextraction of organochlorine pesticides in vegetable and fruit samples.. **2022**, 388, 133007 1
- 169 [Advances in solid-phase extraction for bisphenols in environmental samples]. **2021**, 39, 835-844
- 168 Application of Pseudo-Template Molecularly Imprinted Monolithic Fiber Solid-Phase Microextraction Gas Chromatography for Analysis of Disinfection By-Products.
- 167 A History of Extraction Techniques and Chromatographic Analysis. **2022**, 329-346
- 166 Determination of Ten Long-Chain Fatty Acids in Poppy-Seed Oil Using Electro-Enhanced Solid-Phase Microextraction-GC/MS. 1
- 165 Deep Eutectic Solvent-Based Coating Sorbent for Preconcentration of Formaldehyde by Thin-Film Solid-Phase Microextraction Technique. **2022**, 10, 828
- 164 Recent developments in microextraction techniques for detection and speciation of heavy metals. **2022**, 100019 2
- 163 Green Extraction Techniques as Advanced Sample Preparation Approaches in Biological, Food, and Environmental Matrices: A Review.. **2022**, 27, 2

- 162 Fast and highly efficient liquid chromatographic methods for qualification and quantification of antibiotic residues from environmental waste. **2022**, 107573 3
- 161 On-site sample pretreatment: natural deep eutectic solvent-based multiple air-assisted liquid-liquid microextraction. **2022**, 463136 0
- 160 Coating of porous graphitic carbon nitride modified with titanium dioxide (OH-g-C₃N₄/TiO₂) on Ag wire as an SPME fiber for extraction of lead. 1 0
- 159 Electrochemically deposition of metal-organic framework onto carbon fibers for online in-tube solid-phase microextraction of non-steroidal anti-inflammatory drugs.. **2022**, 1673, 463129 1
- 158 A simulation study of an applied approach to enhance drug recovery through electromembrane extraction. **2022**, 358, 119210 2
- 157 In situ synthesis of monolithic sol-gel polyethylene glycol-based sorbent encapsulated in porous polypropylene microextraction capsules and its application for selective extraction of antifungal and anthelmintic drugs from human urine. **2022**, 107594 0
- 156 Analytical methodologies and techniques for pesticide residue analysis in water and wastewater. **2022**, 55-73
- 155 Rapid Screening and Quantitation of Drugs of Abuse by Both Positive and Negative Modes via Coated Blade Spray-Mass Spectrometry. 1
- 154 From exogenous to endogenous: Advances in vivo sampling in living systems. **2022**, 116692 1
- 153 Thermal Analysis in Aerospace and Automotive Sectors. **2022**, 583-621
- 152 Recent progress in organic-inorganic hybrid materials as absorbents in sample pretreatment for pesticide detection. 1-19
- 151 A critical evaluation of molecularly imprinted polymer (MIP) coatings in solid phase microextraction devices. **2022**, 116695 0
- 150 Application of Nanomaterials for Greener Sample Extraction. **2022**, 171-221
- 149 Sample Preparation with Conductive Polymers. 119-140
- 148 Recent modified air-assisted liquid-liquid microextraction applications for medicines and organic compounds in various samples: A review. **2022**, 20, 525-540 1
- 147 Understanding the mechanism of nitroaromatic vapour uptake in PDMS-based pre-concentrators using 4-nitrotoluene.
- 146 Introduction to Green Analytical Chemistry. **2022**, 1-27
- 145 Sample Preparation in Capillary Electrophoresis for Food Analysis. **2022**, 32-62

- 144 Molecularly imprinted polymers for selective extraction/microextraction of cancer biomarkers: A review. **2022**, 189, 1
- 143 Microextraction for ambient ionization mass spectrometry analysis. **2022**, 3, 100029
- 142 A comprehensive review on the use of microextraction techniques in the analysis of cosmetic products. **2022**, 3, 100024 0
- 141 Exploring the volatile profile of whiskey samples using solid-phase microextraction Arrow and comprehensive two-dimensional gas chromatography-mass spectrometry. **2022**, 463241 1
- 140 Application of an Electronic Nose and HS-SPME/GC-MS to Determine Volatile Organic Compounds in Fresh Mexican Cheese. **2022**, 11, 1887 0
- 139 Evaluation of germination effect on volatile compounds of different faba bean cultivars using HS-SPME/GC-MS. **2022**, 112, 104692 1
- 138 Solid-Phase Microextraction and Comprehensive Two-Dimensional Gas Chromatography for Food Analysis. **2022**, 173-191
- 137 Passive Samplers for Indoor Gaseous Pollutants. **2022**, 1-26
- 136 Sampling and Analysis of VVOCs and VOCs in Indoor Air. **2022**, 1-12
- 135 VOLATILE ORGANIC COMPOUNDS FROM GREEN WASTE ANAEROBIC DEGRADATION AT LAB-SCALE: EVOLUTION AND COMPARISON WITH LANDFILL GAS. **2022**, 63-74 0
- 134 Recent Advances in the Application of Covalent Organic Frameworks in Extraction: A Review. 1-34 0
- 133 Pseudo-template molecularly imprinted polymeric fiber solid-phase microextraction coupled to gas chromatography for ultrasensitive determination of 2,4,6-trihalophenol disinfection by-products. **2022**, 463322 0
- 132 An overview of methodologies for the determination of volatile organic compounds in indoor air. 1-50 1
- 131 Application of solid-phase microextraction in atomic spectrometry. **2022**, 100033
- 130 Fundamentals, operations and applications of electromembrane extraction: An overview of reviews. **2022**, 107751 0
- 129 Ionic Liquid-Assisted DLLME and SPME for the Determination of Contaminants in Food Samples. **2022**, 9, 170 0
- 128 Correlation between Irradiation Treatment and Metabolite Changes in *Bactrocera dorsalis* (Diptera: Tephritidae) Larvae Using Solid-Phase Microextraction (SPME) Coupled with Gas Chromatography-Mass Spectrometry (GC-MS). **2022**, 27, 4641
- 127 Ultrasound-Assisted One-Step Reduction and Self-Assembly of Carbon Dots-Reduced Graphene Oxide: Mechanism Investigation and Solid Phase Microextraction of Ultra-Trace Organochlorine Pesticides.

126	Headspace solid-phase microextraction: Fundamentals and recent advances. 2022 , 3, 100035	2
125	Head-Space SPME for the Analysis of Organophosphorus Insecticides by Novel Silica IL-Based Fibers in Real Samples. 2022 , 27, 4688	1
124	A Comparative Investigation of Volatile Organic Compounds of Cattle Rumen Metabolites using HS-SPME and PoraPak-Q Odor Trapping Methods. 1-9	
123	Volatilomics: An Emerging and Promising Avenue for the Detection of Potential Prostate Cancer Biomarkers. 2022 , 14, 3982	3
122	Aroma determination in alcoholic beverages: Green MS-based sample preparation approaches.	0
121	Designing an All-in-one microextraction capsule device for the liquid chromatographic-fluorescence determination of doxorubicin and its metabolites in rat plasma. 2022 , 463432	0
120	Selective isolation of pesticides and cannabinoids using polymeric ionic liquid-based sorbent coatings in solid-phase microextraction coupled to high-performance liquid chromatography. 2022 , 1680, 463416	
119	The flavour of edible insects: A comprehensive review on volatile compounds and their analytical assessment. 2022 , 127, 352-367	2
118	Green microextraction methodologies for sample preparations. 2022 , 3, 100023	2
117	Advances in on-site analytical sample preparation for analysis of environmental waters: A review. 2022 , 36, e00175	1
116	Ultrasound-assisted one-step reduction and self-assembly of carbon dots-reduced graphene oxide: Mechanism investigation and solid phase microextraction of ultra-trace organochlorine pesticides. 2023 , 451, 138569	0
115	Enhanced microfluidic open interface for the direct coupling of solid phase microextraction with liquid electron ionization-tandem mass spectrometry. 2022 , 1681, 463479	0
114	Recent applications of organic molecule-based framework porous materials in solid-phase microextraction for pharmaceutical analysis. 2022 , 221, 115040	2
113	Magnetic molecularly imprinted polymers based on eco-friendly deep eutectic solvent for recognition and extraction of three glucocorticoids in lotion. 2022 , 183, 107975	0
112	Liquid-phase microextraction in bioanalysis [How green can it be?]. 2022 , 3, 100028	0
111	Green sample preparation techniques in environmental analysis. 2023 , 241-276	0
110	Sample preparation in a green perspective. 2023 , 151-172	0
109	Carbon nanomaterials in controlled and targeted drug delivery. 2022 , 53-78	0

108	In-Situ Synthesis of Carbon Dots Embedded Wrinkled-Mesoporous Silica Microspheres for Efficient Capturing and Monitoring Organochlorine Pesticides from Water and Fruit Juice.	0
107	Ethyl Butanoate, Constituent of Cassava Wastewater Volatiloma, a Potential Soil Fumigant Against <i>Meloidogyne javanica</i> . 2022 , 54,	0
106	Microextraction Techniques for Sample Preparation of Amphetamines in Urine: A Comprehensive Review. 1-16	0
105	Preparation of molecularly imprinted polymer coatings based on via a sandwich method for solid-phase microextraction of 2,4-dichlorophenoxyacetic acid from milk.	0
104	In Vivo Detection of Tetrodotoxin in <i>Takifugu obscurus</i> Based on Solid-Phase Microextraction Coupled with Ultrahigh-Performance Liquid Chromatography Tandem Mass Spectrometry. 2022 , 27, 6122	0
103	Determination of Volatile Metabolites in Vinegar by Solid-Phase Microextraction Gas Chromatography Mass Spectrometry (SPME GCMS). 2023 , 13-20	0
102	Effect of entomopathogenic fungi against banana pseudostem weevil <i>Odoiporus longicollis</i> (Olivier) and elucidation of infection process. 2022 , 32,	0
101	Understanding the effect of spatial positioning of coated blade spray devices relative to the mass spectrometry inlet on different instrument platforms and its application to quantitative analysis of fentanyl and related analogs. 2022 , 36,	0
100	Superhydrophobic Nanosilica Decorated Electrospun Polyethylene Terephthalate Nanofibers for Headspace Solid Phase Microextraction of 16 Organochlorine Pesticides in Environmental Water Samples. 2022 , 14, 3682	0
99	Recent molecularly imprinted polymers applications in bioanalysis.	0
98	A review of the modern principles and applications of solid-phase extraction techniques in chromatographic analysis.	3
97	A New Trend and Future Perspectives of the Miniaturization of Conventional Extraction Methods for Elemental Analysis in Different Real Samples: A Review. 1-19	2
96	Non-thermal plasma as emerging technology for <i>Tribolium castaneum</i> pest-management in stored grains and flours. 2022 , 99, 102031	0
95	In situ electrodeposition of Cu-BDC metal-organic framework on pencil graphite substrate for solid-phase microextraction of some pesticides. 2022 , 189,	0
94	Solid-Phase Microextraction Gas Chromatography Analytical Strategies for Pesticide Analysis. 2022 , 5, 82	0
93	Disposable Pipette Extraction (DPX) Coupled to HPLC-DAD as an Alternative for the Determination of Phthalic Monoesters in Urine Samples. 2022 , 9, 294	0
92	Covalent organic framework@Ti3C2T composite as solid phase microextraction coating for the determination of polycyclic aromatic hydrocarbons in honey samples. 2022 , 340581	0
91	Coated Blade Spray with a Barrier: Improving Negative Electrospray Ionization and Sample Preparation.	1

- 90 Additive Manufacturing of Ceramics: Materials, Characterization and Applications. **2023**, 245-331 ○
- 89 Applicability of new configuration of open tubular solid phase microextraction for determination of free (unconjugated) testosterone esters by gas chromatography with barrier ionization discharge detector. **2022**, 183, 108104 ○
- 88 Effect of different drying methods after fermentation on the aroma of Pu-erh tea (ripe tea). **2022**, 171, 114129 ○
- 87 Miniaturized systems for gas chromatography: Developments in sample preparation and instrumentation. **2022**, 1685, 463603 ○
- 86 Sources and migration pathways of methane and light hydrocarbons in the subsurface of the Southern Po River Basin (Northern Italy). **2023**, 147, 105981 ○
- 85 The identification of soy sauce adulterated with bean species and the origin using headspace solid-phase microextraction coupled with gas chromatography-mass spectrometry. **2023**, 404, 134638 ○
- 84 Realization of Microfluidic Preconcentrator for N-Pentane Traces Impurities from the Gaseous Media. **2022**, 15, 8090 ○
- 83 Chitosan-based adsorbents for analytical sample preparation and removal of pollutants from aqueous media: A review. **2022**, e00185 ○
- 82 Magnetic solid-phase extraction of warfarin and gemfibrozil in biological samples using polydopamine-coated magnetic nanoparticles via core-shell nanostructure. 1
- 81 Comparison of different approaches for direct coupling of solid-phase microextraction to mass spectrometry for drugs of abuse analysis in plasma. **2022**, 1
- 80 Volatilomics as an Emerging Strategy to Determine Potential Biomarkers of Female Infertility: A Pilot Study. **2022**, 10, 2852 ○
- 79 In-situ synthesis of carbon dots embedded wrinkled-mesoporous silica microspheres for efficiently capturing and monitoring organochlorine pesticides from water and fruit juice. **2022**, 122589 ○
- 78 A hydrophilic-lipophilic triazine based hyper-crosslinked polymer for efficient enrichment of nitrobenzene compounds. **2022**, 340638 ○
- 77 Melatonin in different food samples: Recent update on distribution, bioactivities, pretreatment and analysis techniques. **2023**, 163, 112272 ○
- 76 Interfacial design for detection of a few molecules. ○
- 75 Cellulose nanocrystal regulated ultra-loose, lightweight, and hierarchical porous reduced graphene oxide hybrid aerogel for capturing and determining organic pollutants from water. **2023**, 204, 94-101 ○
- 74 Sampling and Analysis of VVOCs and VOCs in Indoor Air. **2022**, 429-440 ○
- 73 Passive Samplers for Indoor Gaseous Pollutants. **2022**, 467-492 ○

- 72 Research progress on the application of derived porous carbon materials in solid-phase microextraction. **2022**, 40, 882-888 ○
- 71 Preparation and application of graphene oxide functionalized melamine-formaldehyde aerogel coated solid-phase microextraction tube. **2022**, 40, 889-899 ○
- 70 Determination of Polychlorinated Biphenyls in Water Samples Using a Needle Trap Device Combined with Gas Chromatography. **2022**, 498-506 ○
- 69 A Review of Methods Used to Detect Methamphetamine from Indoor Air and Textiles in Confined Spaces. **2022**, 10, 710 ○
- 68 At-Line Sampling and Characterization of Pyrolytic Vapors from Biomass Feedstock Blends Using SPME-GC/MS-PCA: Influence of Char on Fast Pyrolysis. **2022**, 70, 15509-15516 ○
- 67 A critical review of selected preconcentration techniques used for selenium determination in analytical samples. 1-15 ○
- 66 Simultaneous Determination for Nine Kinds of N-Nitrosamines Compounds in Groundwater by Ultra-High-Performance Liquid Chromatography Coupled with Triple Quadrupole Mass Spectrometry. **2022**, 19, 16680 ○
- 65 Octanol-supported wooden tips as sustainable devices in microextraction: a closer view of the influence of wood matrix. **2022**, 108358 ○
- 64 Saturated Linear Aliphatic β - and γ -Lactones in Wine: A Review. **2022**, 70, 15325-15346 ○
- 63 Preliminary Assessment of Occurrence, Potential Origin, and Human Health Risk of Volatile Organic Compounds in Uncontrolled Springs, North Morocco. **2022**, 12, 1213 1
- 62 Study on Volatile Chemicals as Spoilage Indexes of Salmon by HS-SPME-GC-MS Technique during Non-Frozen Storage. **2023**, 28, 13 ○
- 61 Thermomechanical Autovaporization (MFA) as a Deodorization Process of Palm Oil. **2022**, 11, 3952 1
- 60 Solid phase microextraction for quantitative analysis Expectations beyond design?. **2022**, 100048 ○
- 59 Polyaniline and Polyaniline-Based Materials as Sorbents in Solid-Phase Extraction Techniques. **2022**, 15, 8881 ○
- 58 Nanofibers as optical sensors for model VOCs dispersed in aqueous phase. ○
- 57 Dijital G \ddot{u} ntleme Temelli Kolorimetrik Analiz Y \ddot{u} ntemi Kullan \ddot{u} larak S $^{2-}$ -v $^{2-}$ -S $^{2-}$ -v $^{2-}$ Mikroekstraksiyon ile İderi \ddot{u} rme \ddot{u} minden Sonra Eser Seviyede Antimon(III) Tayini. ○
- 56 Curcumin-Melamine For Solid-Phase Microextraction of Volatile Organic Compounds from Aqueous Samples. ○
- 55 Development of an Analytical Method for the Determination of Trace Lead in Lake Water Samples by Flame Atomic Absorption Spectrophotometry after Vortex Assisted-Stearic Acid Coated Magnetic Nanoparticle Based Extraction. 2200229 ○

- 54 Solid-Phase Microextraction for Organic Contamination Control Throughout Assembly and Operational Phases of Space Missions. ○
- 53 Latest Improvements and Expanding Applications of Solid-Phase Microextraction. **2023**, 95, 218-237 ○
- 52 Modified Graphenized Pencil Lead by CoNi₂S₄ Nanostructure as a SPME Fiber for Analysis of PAHs from Water Samples. 1-13 ○
- 51 High-throughput platforms for microextraction techniques. ○
- 50 Multiwalled Carbon Nanotubes Embedded in a Polymeric Matrix as a New Material for Thin Film Microextraction (TFME) in Organic Pollutant Monitoring. **2023**, 15, 314 ○
- 49 Miniaturized Solid Phase Extraction Techniques Applied to Natural Products. **2023**, 11, 243 1
- 48 Smelling the difference: separation of healthy and infected button mushrooms via microbial volatile organic compounds. **2023**, 9, e12703 ○
- 47 Review of extraction and detection techniques for the analysis of pesticide residues in fruits to evaluate food safety and make legislative decisions: Challenges and anticipations. **2023**, 1215, 123587 ○
- 46 Organosulfur in food samples: Recent updates on sampling, pretreatment and determination technologies. **2023**, 1689, 463769 ○
- 45 The Preparation of Covalent Bonding COF-TpBD Coating in Arrayed Nanopores of Stainless Steel Fiber for Solid-Phase Microextraction of Polycyclic Aromatic Hydrocarbons in Water. **2023**, 20, 1393 ○
- 44 Paper-based sorptive phases for a sustainable sample preparation. **2023**, 5, 100051 ○
- 43 Degradation of biogas in a simulated landfill cover soil at laboratory scale: Compositional changes of main components and volatile organic compounds. **2023**, 157, 229-241 ○
- 42 Direct coupling in-tube solid-phase microextraction with mass spectrometry using polymer coated open-tubular column for rapid analysis of antiepileptic drugs in biofluids. **2023**, 1240, 340775 ○
- 41 A green and sustainable method for Capsicum volatilome investigation by means of headspace solid-phase microextraction combined with flow-modulated two-dimensional gas chromatography-mass spectrometry using hydrogen as carrier gas. **2023**, 4, 100050 ○
- 40 Polyoxometalate/reduced graphene oxide composite stabilized on the inner wall of a stainless steel tube as a sorbent for solid-phase microextraction of some parabens followed by quantification via high-performance liquid chromatography. **2023**, 187, 108413 1
- 39 Greening Sample Treatment. **2019**, 87-167 ○
- 38 Concepts and Trends in Green Analytical Chemistry. **2019**, 25-86 ○
- 37 Green extraction approaches utilizing graphene and graphene oxide derivatives in environmental analysis. **2023**, 327-360 ○

- 36 Membrane-based inverted liquid-liquid extraction of organochlorine pesticides in aqueous samples: evaluation, merits, and demerits. 1
- 35 Thermo-oxidative degradation. **2023**, 13-17 0
- 34 Two-Dimensional Nitrogen-Doped Carbon Nanosheets Derived from g-C₃N₄ /ZIF-8 for Solid-Phase Microextraction in Exhalation of Esophageal Cancer Patients. **2023**, 15, 5990-5997 0
- 33 Optimization of solid phase microextraction conditions for determination of triazines. **2023**, 364, 02006 0
- 32 Solid-Phase Microextraction Gas Chromatography for Determination of Some Organophosphorus Pesticides. **2004**, 59, 259-262 4
- 31 Electromembrane extraction (EME): Fundamentals and applications. **2023**, 7, 100200 0
- 30 Application of poly 3,4-ethylenedioxythiophene and gold nanoparticles composite on a gold wire as a coating for determination of nitroaromatics in soil using cold fiber solid phase microextraction combined with gas chromatography. **2023**, 20, 100804 0
- 29 Customized oxygen-rich biochar with ultrahigh microporosity for ideal solid phase microextraction of substituted benzenes. **2023**, 870, 161840 0
- 28 Solid supports and supported liquid membranes for different liquid phase microextraction and electromembrane extraction configurations. A review. **2023**, 1691, 463825 0
- 27 Surface-Coated Acupuncture Needles as Solid-Phase Microextraction Probes for In Vivo Analysis of Bioactive Molecules in Living Plants by Mass Spectrometry. **2023**, 13, 220 0
- 26 Graphene-Based Nanomaterials: A Sustainable Material for Solid-Phase Microextraction (SPME) for Environmental Applications. 1-16 0
- 25 Full Evaporative Vacuum Extraction-A Quantitative and Green Approach for Analysis of Semivolatile Organic Compounds in Drinking Water and Surface Water Using GCMS. **2023**, 95, 3959-3967 0
- 24 Facile and large-scale synthesis of trifluoromethyl-grafted covalent organic framework for efficient microextraction and ultrasensitive determination of benzoylurea insecticides. **2023**, 462, 142220 0
- 23 Trends in Nanostructured Sorbent Materials for Passive Sampling Applications. **2023**, 519-543 0
- 22 Characterization of the Aroma Profile of Food Smoke at Controllable Pyrolysis Temperatures. **2023**, 10, 176 0
- 21 Online hyphenation of in-capillary aptamer-functionalized solid-phase microextraction and extraction nanoelectrospray ionization for miniature mass spectrometry analysis. **2023**, 148, 1815-1823 0
- 20 Solid-Phase Microextraction and Related Techniques in Bioanalysis. **2023**, 28, 2467 0
- 19 Novel Sorptive Sample Preparation Techniques for Separation Science. **2023**, 79-89 0

- 18 Decoding Metabolic Reprogramming in Plants under Pathogen Attacks, a Comprehensive Review of Emerging Metabolomics Technologies to Maximize Their Applications. **2023**, 13, 424 ○
- 17 The Effect of Vacuum on Headspace SPME: Theory and Practice. **2023**, 75-94 ○
- 16 Direct Coupling of SPME to Mass Spectrometry. **2023**, 290-314 ○
- 15 Coupling of Solid-Phase Microextraction Directly to Mass Spectrometry via an Improved Microfluidic Open Interface to Facilitate High-Throughput Determinations. ○
- 14 Development of dispersive liquid-liquid microextraction with solid-phase evaporation as a novel hyphenated method prior to ion mobility spectrometry and its application for trace analysis of fluoxetine. ○
- 13 Extraction of Organochlorine Pesticides from Porous Membrane Packed Dried Fish Samples: Method Development and Greenness Evaluation. **2023**, 10, 233 ○
- 12 High-Throughput and Rapid Screening of Drugs of Abuse in Saliva by Multi-Segment Injection Using Solid-Phase Microextraction-Automated Microfluidic Open Interface-Mass Spectrometry. **2023**, 95, 6367-6373 ○
- 11 Sequential Solid-Phase Microextraction with Biocompatible Coating Materials to Address Displacement Effects in the Quantitative Analysis. ○
- 10 Modified stainless steel wires with superwettability for highly efficient in-tube solid-phase microextraction. **2023**, 1697, 463988 ○
- 9 In-line microextraction techniques to improve the sensitivity and selectivity of capillary electrophoresis using commercial instruments. **2023**, 163, 117058 ○
- 8 Analytical methods for the analysis of volatile natural products. ○
- 7 Trapping of polycyclic aromatic hydrocarbons in vehicle exhaust using an in-tube extraction device for analysis by gas chromatography-barrier ionization discharge detection. **2023**, 463995 ○
- 6 Sample preparation strategies for the analysis of contaminants in foods. **2023**, 231-251 ○
- 5 Fiber coating based on a green metal-organic framework to determine phthalates in bottled waters by direct-immersion micro solid-phase extraction. **2023**, 108767 ○
- 4 Zeolitic imidazole framework-67 coated stainless steel fiber for solid-phase microextraction of some alcohols in alcoholic beverage samples. ○
- 3 Etched hollow periodic mesoporous organosilica with enlarged pore size for high-performance solid phase microextraction of polybrominated biphenyls. **2023**, 191, 108841 ○
- 2 Carbon nanotubes-assisted solid-phase microextraction for the extraction of gasoline in fire debris samples. **2023**, 1701, 464063 ○
- 1 Determination of Rhodium in Soil by Dispersive Solid-Phase Extraction (DSPE) with Manganese Ferrite Nanoparticles and Flame Atomic Absorption Spectrometry (FAAS). 1-13 ○

