

Janusz Pawliszyn

List of Publications by Year in descending order

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507
papers

44,711
citations

1704

104
h-index

3261

185
g-index

529
all docs

529
docs citations

529
times ranked

13188
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid phase microextraction with thermal desorption using fused silica optical fibers. <i>Analytical Chemistry</i> , 1990, 62, 2145-2148.	6.5	4,432
2	Headspace solid-phase microextraction. <i>Analytical Chemistry</i> , 1993, 65, 1843-1852.	6.5	1,150
3	Applications of solid-phase microextraction in food analysis. <i>Journal of Chromatography A</i> , 2000, 880, 35-62.	3.7	964
4	Evolution of solid-phase microextraction technology. <i>Journal of Chromatography A</i> , 2000, 885, 153-193.	3.7	717
5	Solid-Phase Microextraction. A Solvent-Free Alternative for Sample Preparation. <i>Analytical Chemistry</i> , 1994, 66, 844A-853A.	6.5	685
6	Automation and optimization of solid-phase microextraction. <i>Analytical Chemistry</i> , 1992, 64, 1960-1966.	6.5	604
7	Dynamics of organic compound extraction from water using liquid-coated fused silica fibers. <i>Analytical Chemistry</i> , 1992, 64, 1187-1199.	6.5	588
8	Advances in Solid Phase Microextraction and Perspective on Future Directions. <i>Analytical Chemistry</i> , 2018, 90, 302-360.	6.5	534
9	Optimization of solid-phase microextraction conditions for determination of phenols. <i>Analytical Chemistry</i> , 1994, 66, 160-167.	6.5	510
10	Automated In-Tube Solid-Phase Microextraction Coupled to High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 1997, 69, 3140-3147.	6.5	510
11	Microextraction of drugs. <i>Journal of Chromatography A</i> , 2000, 902, 17-63.	3.7	424
12	Nondestructive Sampling of Living Systems Using <i>in Vivo</i> Solid-Phase Microextraction. <i>Chemical Reviews</i> , 2011, 111, 2784-2814.	47.7	399
13	Thin-Film Microextraction. <i>Analytical Chemistry</i> , 2003, 75, 1002-1010.	6.5	377
14	Rapid determination of polyaromatic hydrocarbons and polychlorinated biphenyls in water using solid-phase microextraction and GC/MS. <i>Environmental Science & Technology</i> , 1994, 28, 298-305.	10.0	366
15	Recent developments in solid-phase microextraction. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 781-795.	3.7	339
16	Quantitative Extraction Using an Internally Cooled Solid Phase Microextraction Device. <i>Analytical Chemistry</i> , 1995, 67, 34-43.	6.5	308
17	White Analytical Chemistry: An approach to reconcile the principles of Green Analytical Chemistry and functionality. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 138, 116223.	11.4	290
18	Analysis of Flavor Volatiles Using Headspace Solid-Phase Microextraction. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 2187-2193.	5.2	283

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19	Effects of temperature and pressure on supercritical fluid extraction efficiencies of polycyclic aromatic hydrocarbons and polychlorinated biphenyls. <i>Analytical Chemistry</i> , 1993, 65, 338-344.	6.5	279
20	Solid-Phase Microextraction for the Analysis of Human Breath. <i>Analytical Chemistry</i> , 1997, 69, 587-596.	6.5	271
21	Theory of analyte extraction by selected porous polymer SPME fibres. <i>Analyst, The</i> , 1999, 124, 643-649.	3.5	271
22	Solid Phase Microextraction (SPME). <i>The Chemical Educator</i> , 1997, 2, 1-7.	0.0	270
23	A critical review of the state of the art of solid-phase microextraction of complex matrices I. Environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 224-235.	11.4	270
24	Analysis of substituted benzene compounds in groundwater using solid-phase microextraction. <i>Environmental Science & Technology</i> , 1992, 26, 979-983.	10.0	266
25	Sample Preparation: Quo Vadis?. <i>Analytical Chemistry</i> , 2003, 75, 2543-2558.	6.5	258
26	A critical review in calibration methods for solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2008, 627, 184-197.	5.4	258
27	Review of geometries and coating materials in solid phase microextraction: Opportunities, limitations, and future perspectives. <i>Analytica Chimica Acta</i> , 2017, 984, 42-65.	5.4	257
28	Detection of substituted benzenes in water at the pg/ml level using solid-phase microextraction and gas chromatography-ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 1992, 625, 247-255.	3.7	253
29	Theory of Solid-Phase Microextraction. <i>Journal of Chromatographic Science</i> , 2000, 38, 270-278.	1.4	253
30	Protocol for solid-phase microextraction method development. <i>Nature Protocols</i> , 2010, 5, 122-139.	12.0	247
31	A critical review of the state of the art of solid-phase microextraction of complex matrices II. Food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 236-248.	11.4	238
32	SPME in environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1059-1073.	3.7	237
33	Analysis of Environmental Air Samples by Solid-Phase Microextraction and Gas Chromatography/Ion Trap Mass Spectrometry. <i>Environmental Science & Technology</i> , 1995, 29, 693-701.	10.0	236
34	Fundamentals and applications of needle trap devices. <i>Analytica Chimica Acta</i> , 2010, 677, 3-18.	5.4	235
35	Determination of phenols by solid-phase microextraction and gas chromatographic analysis. <i>Environmental Science & Technology</i> , 1993, 27, 2844-2848.	10.0	230
36	Solid Phase Microextraction for Determining the Distribution of Chemicals in Aqueous Matrices. <i>Analytical Chemistry</i> , 1997, 69, 597-600.	6.5	220

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37	Sampling and Determination of Formaldehyde Using Solid-Phase Microextraction with On-Fiber Derivatization. <i>Analytical Chemistry</i> , 1998, 70, 2311-2320.	6.5	218
38	In-Tube Molecularly Imprinted Polymer Solid-Phase Microextraction for the Selective Determination of Propranolol. <i>Analytical Chemistry</i> , 2001, 73, 2383-2389.	6.5	215
39	Thin-film microextraction offers another geometry for solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 39, 245-253.	11.4	214
40	Preparation and applications of polypyrrole films in solid-phase microextraction. <i>Journal of Chromatography A</i> , 2001, 909, 37-52.	3.7	213
41	Air Sampling with Porous Solid-Phase Microextraction Fibers. <i>Analytical Chemistry</i> , 2000, 72, 5178-5186.	6.5	211
42	Derivatization/Solid-Phase Microextraction: A New Approach to Polar Analytes. <i>Analytical Chemistry</i> , 1997, 69, 196-205.	6.5	205
43	A critical review of the state of the art of solid-phase microextraction of complex matrices III. Bioanalytical and clinical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 249-264.	11.4	203
44	Development of Coated Blade Spray Ionization Mass Spectrometry for the Quantitation of Target Analytes Present in Complex Matrices. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14503-14507.	13.8	201
45	Role of Modifiers for Analytical-Scale Supercritical Fluid Extraction of Environmental Samples. <i>Analytical Chemistry</i> , 1994, 66, 909-916.	6.5	200
46	Recent trends in SPME concerning sorbent materials, configurations and in vivo applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 43, 24-36.	11.4	196
47	Determination of fatty acids using solid phase microextraction. <i>Analytical Chemistry</i> , 1995, 67, 4396-4403.	6.5	185
48	New Trends in Solid-Phase Microextraction. <i>Critical Reviews in Analytical Chemistry</i> , 1997, 27, 103-135.	3.5	182
49	Solid-phase microextraction in bioanalysis: New devices and directions. <i>Journal of Chromatography A</i> , 2010, 1217, 4041-4060.	3.7	182
50	Solventless determination of caffeine in beverages using solid-phase microextraction with fused-silica fibers. <i>Journal of Chromatography A</i> , 1992, 603, 185-191.	3.7	181
51	Sampling and Analysis of Airborne Particulate Matter and Aerosols Using In-Needle Trap and SPME Fiber Devices. <i>Analytical Chemistry</i> , 2001, 73, 47-54.	6.5	181
52	Electrochemically Controlled Solid-Phase Microextraction Based on Conductive Polypyrrole Films. <i>Analytical Chemistry</i> , 2002, 74, 4855-4859.	6.5	181
53	Automated In-Tube Solid-Phase Microextraction Coupled with Liquid Chromatography/Electrospray Ionization Mass Spectrometry for the Determination of β -Blockers and Metabolites in Urine and Serum Samples. <i>Analytical Chemistry</i> , 1999, 71, 4237-4244.	6.5	179
54	Environmental analysis of organic compounds in water using solid phase micro extraction. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 741-744.	1.4	176

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55	Calibration of Solid Phase Microextraction for Air Analyses Based on Physical Chemical Properties of the Coating. <i>Analytical Chemistry</i> , 1997, 69, 206-215.	6.5	173
56	Recent developments in SPME for on-site analysis and monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 692-703.	11.4	173
57	Field air analysis with SPME device. <i>Analytica Chimica Acta</i> , 1999, 400, 153-162.	5.4	163
58	SPME – “Quo vadis?”. <i>Analytica Chimica Acta</i> , 2012, 750, 132-151.	5.4	163
59	A critical review of solid phase microextraction for analysis of water samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 133-143.	11.4	162
60	Sample preparation with solid phase microextraction and exhaustive extraction approaches: Comparison for challenging cases. <i>Analytica Chimica Acta</i> , 2015, 873, 14-30.	5.4	160
61	Determination of volatile chlorinated hydrocarbons in air and water with solid-phase microextraction. <i>Analyst</i> , 1993, 118, 1501.	3.5	158
62	Solid phase microextraction as a tool for trace element speciation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 233-260.	2.9	157
63	Field Sampling and Determination of Formaldehyde in Indoor Air with Solid-Phase Microextraction and On-Fiber Derivatization. <i>Environmental Science & Technology</i> , 2001, 35, 1481-1486.	10.0	147
64	Systematic Evaluation of Solid-Phase Microextraction Coatings for Untargeted Metabolomic Profiling of Biological Fluids by Liquid Chromatography–Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 1944-1954.	6.5	146
65	Time-Weighted Average Sampling with Solid-Phase Microextraction Device: Implications for Enhanced Personal Exposure Monitoring to Airborne Pollutants. <i>Analytical Chemistry</i> , 1999, 71, 1513-1520.	6.5	145
66	Optimization of the Coating Procedure for a High-Throughput 96-Blade Solid Phase Microextraction System Coupled with LC–MS/MS for Analysis of Complex Samples. <i>Analytical Chemistry</i> , 2011, 83, 6018-6025.	6.5	144
67	Method Optimization for the Analysis of Amphetamines in Urine by Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 1997, 69, 3899-3906.	6.5	143
68	Screening of Tropical Fruit Volatile Compounds Using Solid-Phase Microextraction (SPME) Fibers and Internally Cooled SPME Fiber. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 8688-8696.	5.2	139
69	Supercritical fluid extraction for the rapid determination of polychlorinated dibenzo-p-dioxins and dibenzofurans in municipal incinerator fly ash. <i>Analytical Chemistry</i> , 1989, 61, 2770-2776.	6.5	138
70	Analysis of organic compounds in environmental samples by headspace solid phase microextraction. <i>Journal of High Resolution Chromatography</i> , 1993, 16, 689-692.	1.4	138
71	Breath Analysis and Monitoring by Membrane Extraction with Sorbent Interface. <i>Analytical Chemistry</i> , 2002, 74, 5650-5657.	6.5	138
72	Sampling and determination of volatile organic compounds with needle trap devices. <i>Journal of Chromatography A</i> , 2005, 1072, 127-135.	3.7	138

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73	Automated in-tube solid-phase microextractionâ€“high-performance liquid chromatography for carbamate pesticide analysis. <i>Journal of Chromatography A</i> , 2000, 873, 137-147.	3.7	134
74	Analysis of polar pesticides in water and wine samples by automated in-tube solid-phase microextraction coupled with high-performance liquid chromatographyâ€“mass spectrometry. <i>Journal of Chromatography A</i> , 2002, 976, 357-367.	3.7	134
75	Biocompatible Solid-Phase Microextraction Coatings Based on Polyacrylonitrile and Solid-Phase Extraction Phases. <i>Analytical Chemistry</i> , 2007, 79, 6903-6911.	6.5	131
76	Kinetic Model of Supercritical Fluid Extraction. <i>Journal of Chromatographic Science</i> , 1993, 31, 31-37.	1.4	128
77	Kinetic Study of Supercritical Fluid Extraction of Organic Contaminants from Heterogeneous Environmental Samples with Carbon Dioxide and Elevated Temperatures. <i>Analytical Chemistry</i> , 1995, 67, 1727-1736.	6.5	128
78	Headspace solid-phase microextractionâ€“gas chromatographicâ€“time-of-flight mass spectrometric methodology for geographical origin verification of coffee. <i>Analytica Chimica Acta</i> , 2008, 617, 72-84.	5.4	128
79	In Vivo Solidâ€“Phase Microextraction: Capturing the Elusive Portion of Metabolome. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5344-5348.	13.8	128
80	Analysis of pesticides in environmental water samples by solid-phase micro-extractionâ€“high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1996, 754, 137-144.	3.7	127
81	Solid-phase microextraction in metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 168-180.	11.4	127
82	In Vivo Solidâ€“Phase Microextraction in Metabolomics: Opportunities for the Direct Investigation of Biological Systems. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5618-5628.	13.8	126
83	Strategies for the Analysis of Polar Solvents in Liquid Matrixes. <i>Analytical Chemistry</i> , 1998, 70, 19-27.	6.5	123
84	Kinetics and the On-Site Application of Standards in A Solid-Phase Microextraction Fiber. <i>Analytical Chemistry</i> , 2004, 76, 5807-5815.	6.5	123
85	Solid phase microextraction of inorganic anions based on polypyrrole film. <i>Analyst, The</i> , 2000, 125, 391-394.	3.5	121
86	New cold-fiber headspace solid-phase microextraction device for quantitative extraction of polycyclic aromatic hydrocarbons in sediment. <i>Journal of Chromatography A</i> , 2006, 1124, 35-42.	3.7	121
87	Automation of Solid-Phase Microextraction in High-Throughput Format and Applications to Drug Analysis. <i>Analytical Chemistry</i> , 2008, 80, 6870-6880.	6.5	121
88	Estimation of Air/Coating Distribution Coefficients for Solid Phase Microextraction Using Retention Indexes from Linear Temperature-Programmed Capillary Gas Chromatography. Application to the Sampling and Analysis of Total Petroleum Hydrocarbons in Air. <i>Analytical Chemistry</i> , 1997, 69, 402-408.	6.5	120
89	Design and Validation of Portable SPME Devices for Rapid Field Air Sampling and Diffusion-Based Calibration. <i>Analytical Chemistry</i> , 2001, 73, 481-486.	6.5	119
90	Application of Solid-Phase Microextraction for In Vivo Laboratory and Field Sampling of Pharmaceuticals in Fish. <i>Environmental Science & Technology</i> , 2008, 42, 6073-6079.	10.0	119

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91	Polypyrrole-Coated Capillary Coupled to HPLC for In-Tube Solid-Phase Microextraction and Analysis of Aromatic Compounds in Aqueous Samples. <i>Analytical Chemistry</i> , 2001, 73, 55-63.	6.5	118
92	Equilibrium in-fibre standardisation technique for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2005, 1072, 13-17.	3.7	117
93	Biocompatible Solid-Phase Microextraction Nanoelectrospray Ionization: An Unexploited Tool in Bioanalysis. <i>Analytical Chemistry</i> , 2016, 88, 1259-1265.	6.5	117
94	Determination of amines in air and water using derivatization combined with solid-phase microextraction. <i>Journal of Chromatography A</i> , 1997, 773, 249-260.	3.7	116
95	Sample Introduction Approaches for Solid Phase Microextraction/Rapid GC. <i>Analytical Chemistry</i> , 1995, 67, 3265-3274.	6.5	115
96	Bioanalytical applications of solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 36-45.	11.4	114
97	Solid-phase microextraction based on polypyrrole films with different counter ions. <i>Analytica Chimica Acta</i> , 2004, 520, 257-264.	5.4	113
98	Solid phase microextraction (SPME)-transmission mode (TM) pushes down detection limits in direct analysis in real time (DART). <i>Chemical Communications</i> , 2014, 50, 12937-12940.	4.1	113
99	New directions in sample preparation for analysis of organic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 1995, 14, 113-122.	11.4	112
100	Carbon nanotube-coated solid-phase microextraction metal fiber based on sol-gel technique. <i>Journal of Chromatography A</i> , 2009, 1216, 4641-4647.	3.7	111
101	Ultrafast Screening and Quantitation of Pesticides in Food and Environmental Matrices by Solid-Phase Microextraction-Transmission Mode (SPME-TM) and Direct Analysis in Real Time (DART). <i>Analytical Chemistry</i> , 2017, 89, 7240-7248.	6.5	111
102	Solid Phase Microextraction To Study the Sorption of Organotin Compounds onto Particulate and Dissolved Humic Organic Matter. <i>Environmental Science & Technology</i> , 1997, 31, 3629-3636.	10.0	110
103	Solid-Phase Microextraction: A Complementary In Vivo Sampling Method to Microdialysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12124-12126.	13.8	108
104	Air Sampling and Analysis of Volatile Organic Compounds with Solid Phase Microextraction. <i>Journal of the Air and Waste Management Association</i> , 2001, 51, 173-184.	1.9	107
105	Tissue-Specific In Vivo Bioconcentration of Pharmaceuticals in Rainbow Trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1 <i>Technology</i> , 2010, 44, 3417-3422.	10.0	107
106	Determination of Tetraethyllead and Inorganic Lead in Water by Solid Phase Microextraction/Gas Chromatography. <i>Analytical Chemistry</i> , 1996, 68, 3008-3014.	6.5	106
107	Automation of solid-phase microextraction. <i>Journal of Separation Science</i> , 2005, 28, 2010-2022.	2.5	106
108	Determination of low-molecular mass aldehydes by automated headspace solid-phase microextraction with in-fibre derivatisation. <i>Journal of Chromatography A</i> , 2005, 1071, 147-154.	3.7	106

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109	Analytical Microextraction: Current Status and Future Trends. <i>Journal of Chromatographic Science</i> , 2006, 44, 291-307.	1.4	105
110	Comparison of thin-film microextraction and stir bar sorptive extraction for the analysis of polycyclic aromatic hydrocarbons in aqueous samples with controlled agitation conditions. <i>Journal of Chromatography A</i> , 2008, 1196-1197, 89-95.	3.7	105
111	Reusable Solid-Phase Microextraction Coating for Direct Immersion Whole-Blood Analysis and Extracted Blood Spot Sampling Coupled with Liquid Chromatography–Tandem Mass Spectrometry and Direct Analysis in Real Time–Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 8301-8309.	6.5	105
112	Cleanup of complex organic mixtures using supercritical fluids and selective adsorbents. <i>Analytical Chemistry</i> , 1992, 64, 301-311.	6.5	104
113	Optimization of Fiber Coating Structure Enables Direct Immersion Solid Phase Microextraction and High-Throughput Determination of Complex Samples. <i>Analytical Chemistry</i> , 2012, 84, 6933-6938.	6.5	104
114	Polypyrrole-coated capillary in-tube solid phase microextraction coupled with liquid chromatography-electrospray ionization mass spectrometry for the determination of β -blockers in urine and serum samples. <i>Journal of Separation Science</i> , 2000, 12, 255-266.	1.0	103
115	Configurations and calibration methods for passive sampling techniques. <i>Journal of Chromatography A</i> , 2007, 1168, 226-235.	3.7	103
116	Fast In Vivo Microextraction: A New Tool for Clinical Analysis. <i>Clinical Chemistry</i> , 2006, 52, 708-715.	3.2	102
117	Solid phase microextraction coupled to capillary electrophoresis. <i>Analytical Communications</i> , 1998, 35, 353-356.	2.2	101
118	Speciation of organoarsenic compounds by polypyrrole-coated capillary in-tube solid phase microextraction coupled with liquid chromatography/electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2000, 424, 211-222.	5.4	101
119	Membrane Extraction with a Sorbent Interface for Capillary Gas Chromatography. <i>Analytical Chemistry</i> , 1994, 66, 1339-1346.	6.5	98
120	Bio-compatible in-tube solid-phase microextraction capillary for the direct extraction and high-performance liquid chromatographic determination of drugs in human serum. <i>Journal of Chromatography A</i> , 2002, 963, 325-334.	3.7	98
121	Quantitative in Vivo Microsampling for Pharmacokinetic Studies Based on an Integrated Solid-Phase Microextraction System. <i>Analytical Chemistry</i> , 2007, 79, 4507-4513.	6.5	98
122	Development and application of needle trap devices. <i>Journal of Chromatography A</i> , 2008, 1196-1197, 3-9.	3.7	98
123	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. <i>Journal of Analytical Toxicology</i> , 2000, 24, 257-265.	2.8	96
124	Fast Quantitation of Target Analytes in Small Volumes of Complex Samples by Matrix–Compatible Solid–Phase Microextraction Devices. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7510-7514.	13.8	96
125	Determination of butyltin species in water and sediment by solid-phase microextraction–gas chromatography–flame ionization detection. <i>Journal of Chromatography A</i> , 2000, 873, 63-71.	3.7	95
126	Automation and optimization of liquid-phase microextraction by gas chromatography. <i>Journal of Chromatography A</i> , 2007, 1138, 47-54.	3.7	94

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127	In vitro evaluation of new biocompatible coatings for solid-phase microextraction: Implications for drug analysis and in vivo sampling applications. <i>Analytica Chimica Acta</i> , 2009, 638, 175-185.	5.4	93
128	Development of a Carbon Mesh Supported Thin Film Microextraction Membrane As a Means to Lower the Detection Limits of Benchtop and Portable GC/MS Instrumentation. <i>Analytical Chemistry</i> , 2016, 88, 1760-1767.	6.5	93
129	Rapid headspace solid-phase microextraction-gas chromatographic time-of-flight mass spectrometric method for qualitative profiling of ice wine volatile fraction. <i>Journal of Chromatography A</i> , 2007, 1147, 224-240.	3.7	92
130	Determination of drug plasma protein binding by solid phase microextraction. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1712-1722.	3.3	91
131	Automated solid-phase microextraction and thin-film microextraction for high-throughput analysis of biological fluids and ligand-receptor binding studies. <i>Nature Protocols</i> , 2010, 5, 140-161.	12.0	91
132	Theory of Solid-Phase Microextraction. , 2012, , 13-59.		90
133	Fast and robust direct immersion solid phase microextraction coupled with gas chromatography time-of-flight mass spectrometry method employing a matrix compatible fiber for determination of triazole fungicides in fruits. <i>Journal of Chromatography A</i> , 2013, 1313, 139-146.	3.7	90
134	Kinetic Calibration for Automated Hollow Fiber-Protected Liquid-Phase Microextraction. <i>Analytical Chemistry</i> , 2006, 78, 5783-5788.	6.5	89
135	Introduction of solid-phase microextraction as a high-throughput sample preparation tool in laboratory analysis of prohibited substances. <i>Analytica Chimica Acta</i> , 2014, 809, 69-81.	5.4	89
136	Direct Determination of Benzodiazepines in Biological Fluids by Restricted-Access Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2002, 74, 1081-1087.	6.5	88
137	Time-Weighted Average Passive Sampling with a Solid-Phase Microextraction Device. <i>Analytical Chemistry</i> , 2003, 75, 2004-2010.	6.5	88
138	In vivo sampling with solid phase microextraction. <i>Journal of Proteomics</i> , 2007, 70, 181-193.	2.4	88
139	In vivo solid phase microextraction sampling of human saliva for non-invasive and on-site monitoring. <i>Analytica Chimica Acta</i> , 2015, 856, 35-45.	5.4	88
140	Open Port Probe Sampling Interface for the Direct Coupling of Biocompatible Solid-Phase Microextraction to Atmospheric Pressure Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 3805-3809.	6.5	88
141	Investigation of the Effect of the Extraction Phase Geometry on the Performance of Automated Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2009, 81, 4226-4232.	6.5	87
142	Sampling-Rate Calibration for Rapid and Nonlethal Monitoring of Organic Contaminants in Fish Muscle by Solid-Phase Microextraction. <i>Environmental Science & Technology</i> , 2011, 45, 7792-7798.	10.0	87
143	Quantitative structure-retention relationships models for prediction of high performance liquid chromatography retention time of small molecules: Endogenous metabolites and banned compounds. <i>Analytica Chimica Acta</i> , 2013, 797, 13-19.	5.4	86
144	Time-weighted average sampling of volatile and semi-volatile airborne organic compounds by the solid-phase microextraction device. <i>Journal of Chromatography A</i> , 2000, 892, 455-467.	3.7	85

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145	On-line monitoring of flowing samples using solid phase microextraction-gas chromatography. <i>Analytica Chimica Acta</i> , 1993, 284, 265-273.	5.4	83
146	Immunoaffinity in-tube solid phase microextraction coupled with liquid chromatography- ⁶³ mass spectrometry for analysis of fluoxetine in serum samples. <i>Journal of Chromatography A</i> , 2007, 1174, 72-77.	3.7	83
147	Solid-phase microextraction for determining the binding state of organic pollutants in contaminated water rich in humic organic matter. <i>Journal of Chromatography A</i> , 1998, 816, 159-167.	3.7	82
148	Biological sample analysis with immunoaffinity solid-phase microextraction. <i>Analyst, The</i> , 2001, 126, 1456-1461.	3.5	82
149	Fast field sampling/sample preparation and quantification of volatile organic compounds in indoor air by solid-phase microextraction and portable gas chromatography. <i>Field Analytical Chemistry and Technology</i> , 2000, 4, 73-84.	0.8	81
150	Determination of methylmercury by solid-phase microextraction inductively coupled plasma mass spectrometry: a new sample introduction method for volatile metal species. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 837-842.	3.0	81
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