Janusz Pawliszyn

List of Publications by Year
in descending order

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507 papers	44,711 citations	1701 104 h-index	3260 185 g-index
529 all docs	529 docs citations	529 times ranked	13188 citing authors

#	Article	IF	Citations
1	Vacuum-assisted headspace thin-film microextraction: Theoretical formulation and method optimization for the extraction of polycyclic aromatic hydrocarbons from water samples. Analytica Chimica Acta, 2022, 1189, 339217.	2.6	11
2	In Vivo Solid-Phase Microextraction and Applications in Environmental Sciences. ACS Environmental Au, 2022, 2, 30-41.	3.3	9
3	Investigation of binding of fatty acids to serum albumin to determine free concentrations: Experimental and in-silico approaches. Analytica Chimica Acta, 2022, 1192, 339370.	2.6	2
4	Untargeted analysis of microbial metabolites and unsaturated fatty acids in salmon via hydrophilic-lipophilic balanced solid-phase microextraction arrow. Food Chemistry, 2022, 380, 132219.	4.2	12
5	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. Talanta, 2022, 242, 123301.	2.9	21
6	Effect of household air pollutants on the composition of exhaled breath characterized by solid-phase microextraction and needle-trap devices. Analytical and Bioanalytical Chemistry, 2022, 414, 5573-5583.	1.9	11
7	Green Portable Method for Simultaneous Investigation of Gaseous and Particle-Bound Air Pollutants in Indoor and Outdoor Environments. ACS Sustainable Chemistry and Engineering, 2022, 10, 3981-3989.	3.2	2
8	Simultaneous determination of exhaled breath vapor and exhaled breath aerosol using filter-incorporated needle-trap devices: A comparison of gas-phase and droplet-bound components. Analytica Chimica Acta, 2022, 1203, 339671.	2.6	14
9	The evolution of needle-trap devices with focus on aerosol investigations. TrAC - Trends in Analytical Chemistry, 2022, 153, 116643.	5.8	15
10	Protocol for the development of TFME-GC methods for analyzing multiclass organic constituents in water samples. , 2022, 2, 100016.		7
11	Protocol for a needle-trap device coupled to GC for the analysis of volatile and semi-volatile compounds in solid and liquid samples. , 2022, 2, 100015.		2
12	Sequential thin film-solid phase microextraction as a new strategy for addressing displacement and saturation effects in food analysis. Food Chemistry, 2022, 389, 133038.	4.2	19
13	On-site microextraction technologies for the comprehensive investigation of breath composition in lung cancer patients. , 2022, 2, 100018.		2
14	Rapid Screening and Quantitation of Drugs of Abuse by Both Positive and Negative Modes via Coated Blade Sprayâ€“Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2022, 33, 1187-1193.	1.2	13
15	Metabolomic fingerprinting of porcine lung tissue during pre-clinical prolonged exÂvivo lung perfusion using inÂvivo SPME coupled with LC-HRMS. Journal of Pharmaceutical Analysis, 2022, 12, 590-600.	2.4	8
16	A model to assess acute and delayed lung toxicity of oxaliplatin during inÂvivo lung perfusion. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1626-1635.	0.4	5
17	Determination of selected volatile terpenes in fish samples via solid phase microextraction arrow coupled with GC-MS. Talanta, 2021, 221, 121446.	2.9	21
18	Direct Coupling of Bio-SPME to Liquid Electron Ionization-MS/MS via a Modified Microfluidic Open Interface. Journal of the American Society for Mass Spectrometry, 2021, 32, 262-269.	1.2	14

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19	Solid phase microextraction chemical biopsy tool for monitoring of doxorubicin residue during inÂvivo lung chemo-perfusion. Journal of Pharmaceutical Analysis, 2021, 11, 37-47.	2.4	36
20	Assessment of solid phase microextraction as a sample preparation tool for untargeted analysis of brain tissue using liquid chromatography-mass spectrometry. Journal of Chromatography A, 2021, 1638, 461862.	1.8	18
21	Identification of the metabolites regulated in soybean-Rhizobia symbiosis through solid phase microextraction coupled with LC-MS. Journal of Chromatography A, 2021, 1641, 461934.	1.8	6
22	White Analytical Chemistry: An approach to reconcile the principles of Green Analytical Chemistry and functionality. TrAC - Trends in Analytical Chemistry, 2021, 138, 116223.	5.8	290
23	Serum metabolic fingerprinting of psoriasis and psoriatic arthritis patients using solid-phase microextractionâ€"liquid chromatographyâ€"high-resolution mass spectrometry. Metabolomics, 2021, 17, 59.	1.4	19
24	Untargeted metabolomics profiling of skeletal muscle samples from malignant hyperthermia susceptible patients. Canadian Journal of Anaesthesia, 2021, 68, 761-772.	0.7	9
25	Development of porous carbon/polydimethylsiloxane thin-film solid-phase microextraction membranes to facilitate on-site sampling of volatile organic compounds. Sustainable Chemistry and Pharmacy, 2021, 21, 100435.	1.6	11
26	Optimizing a High-Throughput Solid-Phase Microextraction System to Determine the Plasma Protein Binding of Drugs in Human Plasma. Analytical Chemistry, 2021, 93, 11061-11065.	3.2	24
27	High-throughput biomonitoring of organophosphate flame-retardant metabolites in urine via 96-blade solid-phase microextraction coupled with ultra-performance liquid chromatography-tandem mass spectrometry. Talanta, 2021, 232, 122466.	2.9	8
28	The Effect of Sorbent Particles in a Binder on the Mass Transfer Kinetics in Separation Media: In Silico Study and Experimental Verification. Analytical Chemistry, 2021, 93, 14764-14772.	3.2	8
29	SPME-LC/MS-based serum metabolomic phenotyping for distinguishing ovarian cancer histologic subtypes: a pilot study. Scientific Reports, 2021, 11, 22428.	1.6	8
30	Inâ€…Vivo Solidâ€Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. Angewandte Chemie, 2020, 132, 2413-2419.	1.6	2
31	Inâ€…Vivo Solidâ€Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. Angewandte Chemie - International Edition, 2020, 59, 2392-2398.	7.2	56
32	Development of thin-film solid-phase microextraction coating and method for determination of artificial sweeteners in surface waters. Talanta, 2020, 211, 120714.	2.9	25
33	Potential of Recent Ambient Ionization Techniques for Future Food Contaminant Analysis Using (Trans)Portable Mass Spectrometry. Food Analytical Methods, 2020, 13, 706-717.	1.3	34
34	Recent advances in breath analysis to track human health by new enrichment technologies. Journal of Separation Science, 2020, 43, 226-240.	1.3	34
35	Development and validation of an improved, thin film solid phase microextraction based, standard gas generating vial for the repeatable generation of gaseous standards. Journal of Chromatography A, 2020, 1632, 461541.	1.8	15
36	Comprehensive Analysis of Multiresidue Pesticides from Process Water Obtained from Wastewater Treatment Facilities Using Solid-Phase Microextraction. Environmental Science & Technology, 2020, 54, 15789-15799.	4.6	21

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37	Systematic Evaluation of Different Coating Chemistries Used in Thin-Film Microextraction. Molecules, 2020, 25, 3448.	1.7	16
38	Metabolic profile of fish muscle tissue changes with sampling method, storage strategy and time. Analytica Chimica Acta, 2020, 1136, 42-50.	2.6	14
39	Fluorometer for Screening of Doxorubicin in Perfusate Solution and Tissue with Solid-Phase Microextraction Chemical Biopsy Sampling. Analytical Chemistry, 2020, 92, 13025-13033.	3.2	14
40	Development of a Drone-Based Thin-Film Solid-Phase Microextraction Water Sampler to Facilitate On-Site Screening of Environmental Pollutants. Analytical Chemistry, 2020, 92, 12917-12924.	3.2	35
41	USB-Powered Coated Blade Spray Ion Source for On-Site Testing Using Transportable Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 2243-2249.	1.2	19
42	Development of a thin-film solid-phase microextraction (TF-SPME) method coupled to liquid chromatography and tandem mass spectrometry for high-throughput determination of steroid hormones in white sucker fish plasma. Analytical and Bioanalytical Chemistry, 2020, 412, 4183-4194.	1.9	13
43	Application of in vivo solid phase microextraction (SPME) in capturing metabolome of apple (Malus) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	31
44	Investigation of Early Death-Induced Changes in Rat Brain by Solid Phase Microextraction via Untargeted High Resolution Mass Spectrometry: In Vivo versus Postmortem Comparative Study. ACS Chemical Neuroscience, 2020, 11, 1827-1840.	1.7	19
45	Development of a Biocompatible Solid Phase Microextraction Thin Film Coating for the Sampling and Enrichment of Peptides. Analytical Chemistry, 2020, 92, 9379-9388.	3.2	26
46	Optimization of Coated Blade Spray for Rapid Screening and Quantitation of 105 Veterinary Drugs in Biological Tissue Samples. Analytical Chemistry, 2020, 92, 5937-5943.	3.2	40
47	Unique Solid Phase Microextraction Sampler Reveals Distinctive Biogeochemical Profiles among Various Deep-Sea Hydrothermal Vents. Scientific Reports, 2020, 10, 1360.	1.6	8
48	Development and validation of a headspace needle-trap method for rapid quantitative estimation of butylated hydroxytoluene from cosmetics by hand-portable GC-MS. RSC Advances, 2020, 10, 6671-6677.	1.7	17
49	Direct-immersion SPME in soy milk for pesticide analysis at trace levels by means of a matrix-compatible coating. Talanta, 2020, 211, 120746.	2.9	38
50	Rapid and highâ€throughput screening of multi-residue pharmaceutical drugs in bovine tissue using solid phase microextraction and direct analysis in real time-tandem mass spectrometry (SPME-DART-MS/MS). Talanta, 2020, 217, 121095.	2.9	39
51	In Vivo SPME for Bioanalysis in Environmental Monitoring and Toxicology. , 2020, , 23-31.		2
52	Comparison of Solid-Phase Microextraction to Solvent Extraction and QuEChERS for Quantitative Analysis of Veterinary Drug Residues in Chicken and Beef Matrices. Journal of Agricultural and Food Chemistry, 2019, 67, 12663-12669.	2.4	32
53	A Novel Water-Swelling Sampling Probe for in Vivo Detection of Neonicotinoids in Plants. Environmental Science & Technology, 2019, 53, 9686-9694.	4.6	27
54	Direct analysis in real time (DART) and solid-phase microextraction (SPME) transmission mode (TM): a suitable platform for analysis of prohibited substances in small volumes. Analytical Methods, 2019, 11, 3882-3889.	1.3	16

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55	A critical review on regulatory sample preparation methods: Validating solid-phase microextraction techniques. TrAC - Trends in Analytical Chemistry, 2019, 119, 115618.	5.8	58
56	In Vivo Brain Sampling Using a Microextraction Probe Reveals Metabolic Changes in Rodents after Deep Brain Stimulation. Analytical Chemistry, 2019, 91, 9875-9884.	3.2	47
57	Analysis of endocannabinoids in plasma samples by biocompatible solid-phase microextraction devices coupled to mass spectrometry. Analytica Chimica Acta, 2019, 1091, 135-145.	2.6	22
58	The use of solid phase microextraction for metabolomic analysis of non-small cell lung carcinoma cell line (A549) after administration of combretastatin A4. Scientific Reports, 2019, 9, 402.	1.6	18
59	Introducing a mechanically robust SPME sampler for the on-site sampling and extraction of a wide range of untargeted pollutants in environmental waters. Environmental Pollution, 2019, 252, 825-834.	3.7	19
60	Direct coupling of solid phase microextraction with electrospray ionization mass spectrometry: A Case study for detection of ketamine in urine. Analytica Chimica Acta, 2019, 1075, 112-119.	2.6	37
61	Measurement of Free Drug Concentration from Biological Tissue by Solid-Phase Microextraction: In Silico and Experimental Study. Analytical Chemistry, 2019, 91, 7719-7728.	3.2	28
62	Direct Coupling of Dispersive Extractions with Magnetic Particles to Mass Spectrometry via Microfluidic Open Interface. Analytical Chemistry, 2019, 91, 4762-4770.	3.2	22
63	Miniaturized SPME tips directly coupled to mass spectrometry for targeted determination and untargeted profiling of small samples. Talanta, 2019, 199, 689-697.	2.9	44
64	Solid Phase Microextraction-Based Miniaturized Probe and Protocol for Extraction of Neurotransmitters from Brains in Vivo. Analytical Chemistry, 2019, 91, 4896-4905.	3.2	77
65	InÂvivo solid-phase microextraction sampling combined with metabolomics and toxicological studies for the non-lethal monitoring of the exposome in fish tissue. Environmental Pollution, 2019, 249, 109-115.	3.7	35
66	Development and validation of a fully automated solid phase microextraction high throughput method for quantitative analysis of multiresidue veterinary drugs in chicken tissue. Analytica Chimica Acta, 2019, 1056, 34-46.	2.6	42
67	High-Throughput Solid-Phase Microextractionâ€“Liquid Chromatographyâ€“Mass Spectrometry for Microbial Untargeted Metabolomics. Methods in Molecular Biology, 2019, 1859, 133-152.	0.4	10
68	Structure/reaction directed analysis for LC-MS based untargeted analysis. Analytica Chimica Acta, 2019, 1050, 16-24.	2.6	25
69	Equilibrium ex vivo calibration of homogenized tissue for in vivo SPME quantitation of doxorubicin in lung tissue. Talanta, 2018, 183, 304-310.	2.9	43
70	Coated blade spray: shifting the paradigm of direct sample introduction to MS. Bioanalysis, 2018, 10, 257-271.	0.6	41
71	Development of a Microfluidic Open Interface with Flow Isolated Desorption Volume for the Direct Coupling of SPME Devices to Mass Spectrometry. Analytical Chemistry, 2018, 90, 2631-2638.	3.2	50
72	Effect of Binding Components in Complex Sample Matrices on Recovery in Direct Immersion Solid-Phase Microextraction: Friends or Foe?. Analytical Chemistry, 2018, 90, 2430-2433.	3.2	38

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73	High-throughput analysis using non-depletive SPME: challenges and applications to the determination of free and total concentrations in small sample volumes. Scientific Reports, 2018, 8, 1167.	1.6	31
74	Single-Use Poly(etheretherketone) Solid-Phase Microextractionâ€“Transmission Mode Devices for Rapid Screening and Quantitation of Drugs of Abuse in Oral Fluid and Urine via Direct Analysis in Real-Time Tandem Mass Spectrometry. Analytical Chemistry, 2018, 90, 952-960.	3.2	58
75	Investigating the robustness and extraction performance of a matrixâ€compatible solidâ€phase microextraction coating in human urine and its application to assess 2â€“6â€ring polycyclic aromatic hydrocarbons using GCâ€“MS/MS. Journal of Separation Science, 2018, 41, 929-939.	1.3	25
76	Advances in Solid Phase Microextraction and Perspective on Future Directions. Analytical Chemistry, 2018, 90, 302-360.	3.2	534
77	Rapid determination of immunosuppressive drug concentrations in whole blood by coated blade spray-tandem mass spectrometry (CBS-MS/MS). Analytica Chimica Acta, 2018, 999, 69-75.	2.6	49
78	The effect of hematocrit on solid-phase microextraction. Analytica Chimica Acta, 2018, 1001, 40-50.	2.6	20
79	Sample Handlingâ€”Sample Preservation â˜†. , 2018, , .		0
80	Development and validation of eco-friendly strategies based on thin film microextraction for water analysis. Journal of Chromatography A, 2018, 1579, 20-30.	1.8	39
81	Development of a Hydrophilic Lipophilic Balanced Thin Film Solid Phase Microextraction Device for Balanced Determination of Volatile Organic Compounds. Analytical Chemistry, 2018, 90, 14072-14080.	3.2	49
82	Metabolome Profiling of Fish Muscle Tissue Exposed to Benzo[a]pyrene Using in Vivo Solid-Phase Microextraction. Environmental Science and Technology Letters, 2018, 5, 431-435.	3.9	37
83	Tissue storage affects lipidome profiling in comparison to in vivo microsampling approach. Scientific Reports, 2018, 8, 6980.	1.6	33
84	Effect of Transport Parameters and Device Geometry on Extraction Kinetics and Efficiency in Direct Immersion Solid-phase Microextraction. Analytical Chemistry, 2018, 90, 11548-11555.	3.2	26
85	Exploiting the tunable selectivity features of polymeric ionic liquid-based SPME sorbents in food analysis. Talanta, 2018, 188, 522-530.	2.9	55
86	Comparing early liver graft function from heart beating and livingâ€donors: A pilot study aiming to identify new biomarkers of liver injury. Biopharmaceutics and Drug Disposition, 2017, 38, 326-339.	1.1	11
87	Ultra-fast quantitation of voriconazole in human plasma by coated blade spray mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2017, 144, 106-111.	1.4	37
88	Inter-laboratory validation of a thin film microextraction technique for determination of pesticides in surface water samples. Analytica Chimica Acta, 2017, 964, 74-84.	2.6	54
89	New Generation of Solid-Phase Microextraction Coatings for Complementary Separation Approaches: A Step toward Comprehensive Metabolomics and Multiresidue Analyses in Complex Matrices. Analytical Chemistry, 2017, 89, 4046-4054.	3.2	63
90	Open Port Probe Sampling Interface for the Direct Coupling of Biocompatible Solid-Phase Microextraction to Atmospheric Pressure Ionization Mass Spectrometry. Analytical Chemistry, 2017, 89, 3805-3809.	3.2	88

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91	Towards on-site analysis of complex matrices by solid-phase microextraction-transmission mode coupled to a portable mass spectrometer via direct analysis in real time. Analyst, The, 2017, 142, 2928-2935.	1.7	67
92	Recent Advances in Solid-Phase Microextraction for Contaminant Analysis in Food Matrices. Comprehensive Analytical Chemistry, 2017, , 483-517.	0.7	7
93	Review of geometries and coating materials in solid phase microextraction: Opportunities, limitations, and future perspectives. Analytica Chimica Acta, 2017, 984, 42-65.	2.6	257
94	Ultrafast Screening and Quantitation of Pesticides in Food and Environmental Matrices by Solid-Phase Microextractionâ€“Transmission Mode (SPME-TM) and Direct Analysis in Real Time (DART). Analytical Chemistry, 2017, 89, 7240-7248.	3.2	111
95	Deposition of a Sorbent into a Recession on a Solid Support To Provide a New, Mechanically Robust Solid-Phase Microextraction Device. Analytical Chemistry, 2017, 89, 8021-8026.	3.2	40
96	Time Weighted Average Concentration Monitoring Based on Thin Film Solid Phase Microextraction. Environmental Science & Technology, 2017, 51, 3929-3937.	4.6	30
97	Calibrant Free Sampling and Enrichment with Solid-Phase Microextraction: Computational Simulation and Experimental Verification. Industrial & Engineering Chemistry Research, 2017, 56, 3679-3686.	1.8	11
98	In vivo microsampling to capture the elusive exposome. Scientific Reports, 2017, 7, 44038.	1.6	30
99	Rapid and Concomitant Analysis of Pharmaceuticals in Treated Wastewater by Coated Blade Spray Mass Spectrometry. Environmental Science & Technology, 2017, 51, 12566-12572.	4.6	31
100	Fast quantitation of opioid isomers in human plasma by differential mobility spectrometry/mass spectrometry via SPME/open-port probe sampling interface. Analytica Chimica Acta, 2017, 991, 89-94.	2.6	46
101	A flow-through aqueous standard generation system for thin film microextraction investigations of UV filters and biocides partitioning to different environmental compartments. Environmental Pollution, 2017, 230, 663-673.	3.7	6
102	High-Throughput Screening and Quantitation of Target Compounds in Biofluids by Coated Blade Spray-Mass Spectrometry. Analytical Chemistry, 2017, 89, 8421-8428.	3.2	73
103	Quantitative analysis of biofluid spots by coated blade spray mass spectrometry, a new approach to rapid screening. Scientific Reports, 2017, 7, 16104.	1.6	73
104	High throughput solid phase microextraction: A new alternative for analysis of cellular lipidome?. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1043, 12-19.	1.2	26
105	The Saliva Exposome for Monitoring of Individualsâ€™ Health Trajectories. Environmental Health Perspectives, 2017, 125, 077014.	2.8	44
106	Fast Quantitation of Target Analytes in Small Volumes of Complex Samples by Matrixâ€€Compatible Solidâ€€Phase Microextraction Devices. Angewandte Chemie - International Edition, 2016, 55, 7510-7514.	7.2	96
107	Inter-laboratory validation of automated SPME-GC/MS for determination of pesticides in surface and ground water samples: sensitive and green alternative to liquidâ€“liquid extraction. Water Quality Research Journal of Canada, 2016, 51, 331-343.	1.2	27
108	A digital microfluidic interface between solid-phase microextraction and liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2016, 1444, 1-7.	1.8	29

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109	Determination of Polycyclic Aromatic Hydrocarbons in Sediment by Pressure-Balanced Cold Fiber Solid Phase Microextraction. Analytical Chemistry, 2016, 88, 8936-8941.	3.2	31
110	Numerical Simulation and Experimental Validation of Calibrant-Loaded Extraction Phase Standardization Approach. Analytical Chemistry, 2016, 88, 8632-8639.	3.2	14
111	Development of a Biocompatible In-Tube Solid-Phase Microextraction Device: A Sensitive Approach for Direct Analysis of Single Drops of Complex Matrixes. Analytical Chemistry, 2016, 88, 12188-12195.	3.2	39
112	Glossary of terms used in extraction (IUPAC Recommendations 2016). Pure and Applied Chemistry, 2016, 88, 517-558.	0.9	35
113	Coupling solid phase microextraction to complementary separation platforms for metabotyping of E. coli metabolome in response to natural antibacterial agents. Metabolomics, 2016, 12, 1.	1.4	20
114	Extraction for analytical scale sample preparation (IUPAC Technical Report). Pure and Applied Chemistry, 2016, 88, 649-687.	0.9	42
115	Fast Quantitation of Target Analytes in Small Volumes of Complex Samples by Matrixâ€Compatible Solidâ€Phase Microextraction Devices. Angewandte Chemie, 2016, 128, 7636-7640.	1.6	11
116	A critical review of solid phase microextraction for analysis of water samples. TrAC - Trends in Analytical Chemistry, 2016, 85, 133-143.	5.8	162
117	A facile and fully automated on-fiber derivatization protocol for direct analysis of short-chain aliphatic amines using a matrix compatible solid-phase microextraction coating. Journal of Chromatography A, 2016, 1457, 22-28.	1.8	16
118	Solid Phase Microextraction On-Fiber Derivatization Using a Stable, Portable, and Reusable Pentafluorophenyl Hydrazine Standard Gas Generating Vial. Analytical Chemistry, 2016, 88, 6859-6866.	3.2	33
119	Cinnamaldehyde Characterization as an Antibacterial Agent toward E. coli Metabolic Profile Using 96-Blade Solid-Phase Microextraction Coupled to Liquid Chromatographyâ€“Mass Spectrometry. Journal of Proteome Research, 2016, 15, 963-975.	1.8	59
120	Capturing Plant Metabolome with Direct-Immersion in Vivo Solid Phase Microextraction of Plant Tissues. Analytical Chemistry, 2016, 88, 1266-1274.	3.2	55
121	Biocompatible Solid-Phase Microextraction Nanoelectrospray Ionization: An Unexploited Tool in Bioanalysis. Analytical Chemistry, 2016, 88, 1259-1265.	3.2	117
122	Matrix compatible solid phase microextraction coating, a greener approach to sample preparation in vegetable matrices. Food Chemistry, 2016, 206, 67-73.	4.2	35
123	Methodical evaluation and improvement of matrix compatible PDMS-overcoated coating for direct immersion solid phase microextraction gas chromatography (DI-SPME-GC)-based applications. Analytica Chimica Acta, 2016, 920, 54-62.	2.6	42
124	A study of thin film solid phase microextraction methods for analysis of fluorinated benzoic acids in seawater. Journal of Chromatography A, 2016, 1436, 51-58.	1.8	32
125	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. Analytical Chemistry, 2016, 88, 1760-1767.	3.2	93
126	Evaluation of a multiâ€fiber exchange solidâ€phase microextraction system and its application to onâ€site sampling. Journal of Separation Science, 2015, 38, 3560-3567.	1.3	17

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127	Novel and Emerging Air-Sampling Devices. Comprehensive Analytical Chemistry, 2015, 70, 209-235.	0.7	9
128	In vivo solid-phase microextraction liquid chromatographyâ€“tandem mass spectrometry for monitoring blood eicosanoids time profile after lipopolysaccharide-induced inflammation in Sprague-Dawley rats. Journal of Chromatography A, 2015, 1424, 134-138.	1.8	30
129	Sample preparation with solid phase microextraction and exhaustive extraction approaches: Comparison for challenging cases. Analytica Chimica Acta, 2015, 873, 14-30.	2.6	160
130	Bioanalytical method for in vitro metabolism study of repaglinide using 96-blade thin-film solid-phase microextraction and LCâ€“MS/MS. Bioanalysis, 2015, 7, 65-77.	0.6	20
131	A critical review of the state of the art of solid-phase microextraction of complex matrices I. Environmental analysis. TrAC - Trends in Analytical Chemistry, 2015, 71, 224-235.	5.8	270
132	A critical review of the state of the art of solid-phase microextraction of complex matrices II. Food analysis. TrAC - Trends in Analytical Chemistry, 2015, 71, 236-248.	5.8	238
133	Selective extraction and enrichment of glycoproteins based on boronate affinity SPME and determination by CIEF-WCID. Analytica Chimica Acta, 2015, 886, 83-90.	2.6	15
134	Headspace versus Direct Immersion Solid Phase Microextraction in Complex Matrixes: Investigation of Analyte Behavior in Multicomponent Mixtures. Analytical Chemistry, 2015, 87, 8448-8456.	3.2	65
135	A critical review of the state of the art of solid-phase microextraction of complex matrices III. Bioanalytical and clinical applications. TrAC - Trends in Analytical Chemistry, 2015, 71, 249-264.	5.8	203
136	Development of a standard gas generating vial comprised of a silicon oilâ€“polystyrene/divinylbenzene composite sorbent. Journal of Chromatography A, 2015, 1410, 1-8.	1.8	17
137	Development of high throughput 96-blade solid phase microextraction-liquid chromatrography-mass spectrometry protocol for metabolomics. Analytica Chimica Acta, 2015, 892, 95-104.	2.6	41
138	Solid Phase Microextraction Devices Prepared on Plastic Support as Potential Single-Use Samplers for Bioanalytical Applications. Analytical Chemistry, 2015, 87, 9722-9730.	3.2	73
139	Numerical Modeling of Solid-Phase Microextraction: Binding Matrix Effect on Equilibrium Time. Analytical Chemistry, 2015, 87, 9846-9854.	3.2	36
140	In vivo solid phase microextraction sampling of human saliva for non-invasive and on-site monitoring. Analytica Chimica Acta, 2015, 856, 35-45.	2.6	88
141	In vivoandexÂvivoSPME: a low invasive sampling and sample preparation tool in clinical bioanalysis. Bioanalysis, 2014, 6, 1227-1239.	0.6	40
142	High throughput quantification of prohibited substances in plasma using thin film solid phase microextraction. Journal of Chromatography A, 2014, 1374, 40-49.	1.8	77
143	Thin-film microextraction coupled to LC-ESI-MS/MS for determination of quaternary ammonium compounds in water samples. Analytical and Bioanalytical Chemistry, 2014, 406, 409-420.	1.9	38
144	Preparation of a Particle-Loaded Membrane for Trace Gas Sampling. Analytical Chemistry, 2014, 86, 403-410.	3.2	38

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145	Cooled membrane for high sensitivity gas sampling. Journal of Chromatography A, 2014, 1338, 17-23.	1.8	11
146	Thermoelectricâ€based temperatureâ€controlling system for inâ€tube solidâ€phase microextraction. Journal of Separation Science, 2014, 37, 1617-1621.	1.3	10
147	Introduction of solid-phase microextraction as a high-throughput sample preparation tool in laboratory analysis of prohibited substances. Analytica Chimica Acta, 2014, 809, 69-81.	2.6	89
148	Development of Needle Trap Technology for On-Site Determinations: Active and Passive Sampling. Analytical Chemistry, 2014, 86, 5889-5897.	3.2	35
149	Determination of bronchoalveolar lavage bile acids by solid phase microextraction liquid chromatographyâ€“tandem mass spectrometry in combination with metabolite profiling: Comparison with enzymatic assay. Journal of Chromatography A, 2014, 1367, 33-38.	1.8	19
150	Solid phase microextraction (SPME)-transmission mode (TM) pushes down detection limits in direct analysis in real time (DART). Chemical Communications, 2014, 50, 12937-12940.	2.2	113
151	Application of Solid Phase Microextraction for Quantitation of Polyunsaturated Fatty Acids in Biological Fluids. Analytical Chemistry, 2014, 86, 12022-12029.	3.2	38
152	Solid-phase microextraction in metabolomics. TrAC - Trends in Analytical Chemistry, 2014, 61, 168-180.	5.8	127
153	Development of SPME method for concomitant sample preparation of rocuronium bromide and tranexamic acid in plasma. Journal of Pharmaceutical and Biomedical Analysis, 2014, 92, 183-192.	1.4	34
154	Optimization of solid phase microextraction coatings for liquid chromatography mass spectrometry determination of neurotransmitters. Journal of Chromatography A, 2014, 1341, 1-7.	1.8	51
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