

Janusz Pawliszyn

List of Publications by Year in descending order

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507
papers

44,711
citations

1697

104
h-index

3257

185
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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. <i>Analytica Chimica Acta</i> , 2022, 1189, 339217.	2.6	11
2	<i>In Vivo</i> Solid-Phase Microextraction and Applications in Environmental Sciences. <i>ACS Environmental Au</i> , 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. <i>Analytica Chimica Acta</i> , 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. <i>Food Chemistry</i> , 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. <i>Talanta</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>ACS Sustainable Chemistry and Engineering</i> , 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. <i>Analytica Chimica Acta</i> , 2022, 1203, 339671.	2.6	14
9	The evolution of needle-trap devices with focus on aerosol investigations. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>Food Chemistry</i> , 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. <i>Journal of the American Society for Mass Spectrometry</i> , 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. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 590-600.	2.4	8
16	A model to assess acute and delayed lung toxicity of oxaliplatin during inÂvivo lung perfusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 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. <i>Talanta</i> , 2021, 221, 121446.	2.9	21
18	Direct Coupling of Bio-SPME to Liquid Electron Ionization-MS/MS via a Modified Microfluidic Open Interface. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 262-269.	1.2	14

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19	Solid phase microextraction chemical biopsy tool for monitoring of doxorubicin residue during in vivo lung chemo-perfusion. <i>Journal of Pharmaceutical Analysis</i> , 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. <i>Journal of Chromatography A</i> , 2021, 1638, 461862.	1.8	18
21	Identification of the metabolites regulated in soybean-Rhizobia symbiosis through solid phase microextraction coupled with LC-MS. <i>Journal of Chromatography A</i> , 2021, 1641, 461934.	1.8	6
22	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.	5.8	290
23	Serum metabolic fingerprinting of psoriasis and psoriatic arthritis patients using solid-phase microextraction-liquid chromatography-high-resolution mass spectrometry. <i>Metabolomics</i> , 2021, 17, 59.	1.4	19
24	Untargeted metabolomics profiling of skeletal muscle samples from malignant hyperthermia susceptible patients. <i>Canadian Journal of Anaesthesia</i> , 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. <i>Sustainable Chemistry and Pharmacy</i> , 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. <i>Analytical Chemistry</i> , 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. <i>Talanta</i> , 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. <i>Analytical Chemistry</i> , 2021, 93, 14764-14772.	3.2	8
29	SPME-LC/MS-based serum metabolomic phenotyping for distinguishing ovarian cancer histologic subtypes: a pilot study. <i>Scientific Reports</i> , 2021, 11, 22428.	1.6	8
30	In vivo Solid-Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. <i>Angewandte Chemie</i> , 2020, 132, 2413-2419.	1.6	2
31	In vivo Solid-Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. <i>Angewandte Chemie - International Edition</i> , 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. <i>Talanta</i> , 2020, 211, 120714.	2.9	25
33	Potential of Recent Ambient Ionization Techniques for Future Food Contaminant Analysis Using (Trans)Portable Mass Spectrometry. <i>Food Analytical Methods</i> , 2020, 13, 706-717.	1.3	34
34	Recent advances in breath analysis to track human health by new enrichment technologies. <i>Journal of Separation Science</i> , 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. <i>Journal of Chromatography A</i> , 2020, 1632, 461541.	1.8	15
36	Comprehensive Analysis of Multiresidue Pesticides from Process Water Obtained from Wastewater Treatment Facilities Using Solid-Phase Microextraction. <i>Environmental Science & Technology</i> , 2020, 54, 15789-15799.	4.6	21

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37	Systematic Evaluation of Different Coating Chemistries Used in Thin-Film Microextraction. <i>Molecules</i> , 2020, 25, 3448.	1.7	16
38	Metabolic profile of fish muscle tissue changes with sampling method, storage strategy and time. <i>Analytica Chimica Acta</i> , 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. <i>Analytical Chemistry</i> , 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. <i>Analytical Chemistry</i> , 2020, 92, 12917-12924.	3.2	35
41	USB-Powered Coated Blade Spray Ion Source for On-Site Testing Using Transportable Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 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: <i>In Vivo</i> versus Postmortem Comparative Study. <i>ACS Chemical Neuroscience</i> , 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. <i>Analytical Chemistry</i> , 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. <i>Analytical Chemistry</i> , 2020, 92, 5937-5943.	3.2	40
47	Unique Solid Phase Microextraction Sampler Reveals Distinctive Biogeochemical Profiles among Various Deep-Sea Hydrothermal Vents. <i>Scientific Reports</i> , 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. <i>RSC Advances</i> , 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. <i>Talanta</i> , 2020, 211, 120746.	2.9	38
50	Rapid and high-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). <i>Talanta</i> , 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. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12663-12669.	2.4	32
53	A Novel Water-Swelling Sampling Probe for in Vivo Detection of Neonicotinoids in Plants. <i>Environmental Science & Technology</i> , 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. <i>Analytical Methods</i> , 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. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 119, 115618.	5.8	58
56	In Vivo Brain Sampling Using a Microextraction Probe Reveals Metabolic Changes in Rodents after Deep Brain Stimulation. <i>Analytical Chemistry</i> , 2019, 91, 9875-9884.	3.2	47
57	Analysis of endocannabinoids in plasma samples by biocompatible solid-phase microextraction devices coupled to mass spectrometry. <i>Analytica Chimica Acta</i> , 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. <i>Scientific Reports</i> , 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. <i>Environmental Pollution</i> , 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. <i>Analytica Chimica Acta</i> , 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. <i>Analytical Chemistry</i> , 2019, 91, 7719-7728.	3.2	28
62	Direct Coupling of Dispersive Extractions with Magnetic Particles to Mass Spectrometry via Microfluidic Open Interface. <i>Analytical Chemistry</i> , 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. <i>Talanta</i> , 2019, 199, 689-697.	2.9	44
64	Solid Phase Microextraction-Based Miniaturized Probe and Protocol for Extraction of Neurotransmitters from Brains in Vivo. <i>Analytical Chemistry</i> , 2019, 91, 4896-4905.	3.2	77
65	In Vivo solid-phase microextraction sampling combined with metabolomics and toxicological studies for the non-lethal monitoring of the exposome in fish tissue. <i>Environmental Pollution</i> , 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. <i>Analytica Chimica Acta</i> , 2019, 1056, 34-46.	2.6	42
67	High-Throughput Solid-Phase Microextraction-Liquid Chromatography-Mass Spectrometry for Microbial Untargeted Metabolomics. <i>Methods in Molecular Biology</i> , 2019, 1859, 133-152.	0.4	10
68	Structure/reaction directed analysis for LC-MS based untargeted analysis. <i>Analytica Chimica Acta</i> , 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. <i>Talanta</i> , 2018, 183, 304-310.	2.9	43
70	Coated blade spray: shifting the paradigm of direct sample introduction to MS. <i>Bioanalysis</i> , 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. <i>Analytical Chemistry</i> , 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?. <i>Analytical Chemistry</i> , 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. <i>Scientific Reports</i> , 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. <i>Analytical Chemistry</i> , 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. <i>Journal of Separation Science</i> , 2018, 41, 929-939.	1.3	25
76	Advances in Solid Phase Microextraction and Perspective on Future Directions. <i>Analytical Chemistry</i> , 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). <i>Analytica Chimica Acta</i> , 2018, 999, 69-75.	2.6	49
78	The effect of hematocrit on solid-phase microextraction. <i>Analytica Chimica Acta</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Analytical Chemistry</i> , 2018, 90, 14072-14080.	3.2	49
82	Metabolome Profiling of Fish Muscle Tissue Exposed to Benzo[<i>a</i>]pyrene Using in Vivo Solid-Phase Microextraction. <i>Environmental Science and Technology Letters</i> , 2018, 5, 431-435.	3.9	37
83	Tissue storage affects lipidome profiling in comparison to in vivo microsampling approach. <i>Scientific Reports</i> , 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. <i>Analytical Chemistry</i> , 2018, 90, 11548-11555.	3.2	26
85	Exploiting the tunable selectivity features of polymeric ionic liquid-based SPME sorbents in food analysis. <i>Talanta</i> , 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. <i>Biopharmaceutics and Drug Disposition</i> , 2017, 38, 326-339.	1.1	11
87	Ultra-fast quantitation of voriconazole in human plasma by coated blade spray mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 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. <i>Analytica Chimica Acta</i> , 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. <i>Analytical Chemistry</i> , 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. <i>Analytical Chemistry</i> , 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. <i>Analyst</i> , 2017, 142, 2928-2935.	1.7	67
92	Recent Advances in Solid-Phase Microextraction for Contaminant Analysis in Food Matrices. <i>Comprehensive Analytical Chemistry</i> , 2017, , 483-517.	0.7	7
93	Review of geometries and coating materials in solid phase microextraction: Opportunities, limitations, and future perspectives. <i>Analytica Chimica Acta</i> , 2017, 984, 42-65.	2.6	257
94	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.	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. <i>Analytical Chemistry</i> , 2017, 89, 8021-8026.	3.2	40
96	Time Weighted Average Concentration Monitoring Based on Thin Film Solid Phase Microextraction. <i>Environmental Science & Technology</i> , 2017, 51, 3929-3937.	4.6	30
97	Calibrant Free Sampling and Enrichment with Solid-Phase Microextraction: Computational Simulation and Experimental Verification. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3679-3686.	1.8	11
98	In vivo microsampling to capture the elusive exposome. <i>Scientific Reports</i> , 2017, 7, 44038.	1.6	30
99	Rapid and Concomitant Analysis of Pharmaceuticals in Treated Wastewater by Coated Blade Spray Mass Spectrometry. <i>Environmental Science & Technology</i> , 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. <i>Analytica Chimica Acta</i> , 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. <i>Environmental Pollution</i> , 2017, 230, 663-673.	3.7	6
102	High-Throughput Screening and Quantitation of Target Compounds in Biofluids by Coated Blade Spray-Mass Spectrometry. <i>Analytical Chemistry</i> , 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. <i>Scientific Reports</i> , 2017, 7, 16104.	1.6	73
104	High throughput solid phase microextraction: A new alternative for analysis of cellular lipidome?. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1043, 12-19.	1.2	26
105	The Saliva Exposome for Monitoring of Individuals' Health Trajectories. <i>Environmental Health Perspectives</i> , 2017, 125, 077014.	2.8	44
106	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.	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 liquid-liquid extraction. <i>Water Quality Research Journal of Canada</i> , 2016, 51, 331-343.	1.2	27
108	A digital microfluidic interface between solid-phase microextraction and liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 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. <i>Analytical Chemistry</i> , 2016, 88, 8936-8941.	3.2	31
110	Numerical Simulation and Experimental Validation of Calibrant-Loaded Extraction Phase Standardization Approach. <i>Analytical Chemistry</i> , 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. <i>Analytical Chemistry</i> , 2016, 88, 12188-12195.	3.2	39
112	Glossary of terms used in extraction (IUPAC Recommendations 2016). <i>Pure and Applied Chemistry</i> , 2016, 88, 517-558.	0.9	35
113	Coupling solid phase microextraction to complementary separation platforms for metabotyping of <i>E. coli</i> metabolome in response to natural antibacterial agents. <i>Metabolomics</i> , 2016, 12, 1.	1.4	20
114	Extraction for analytical scale sample preparation (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016, 88, 649-687.	0.9	42
115	Fast Quantitation of Target Analytes in Small Volumes of Complex Samples by Matrix-Compatible Solid-Phase Microextraction Devices. <i>Angewandte Chemie</i> , 2016, 128, 7636-7640.	1.6	11
116	A critical review of solid phase microextraction for analysis of water samples. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Analytical Chemistry</i> , 2016, 88, 6859-6866.	3.2	33
119	Cinnamaldehyde Characterization as an Antibacterial Agent toward <i>E. coli</i> Metabolic Profile Using 96-Blade Solid-Phase Microextraction Coupled to Liquid Chromatography-Mass Spectrometry. <i>Journal of Proteome Research</i> , 2016, 15, 963-975.	1.8	59
120	Capturing Plant Metabolome with Direct-Immersion in Vivo Solid Phase Microextraction of Plant Tissues. <i>Analytical Chemistry</i> , 2016, 88, 1266-1274.	3.2	55
121	Biocompatible Solid-Phase Microextraction Nanoelectrospray Ionization: An Unexploited Tool in Bioanalysis. <i>Analytical Chemistry</i> , 2016, 88, 1259-1265.	3.2	117
122	Matrix compatible solid phase microextraction coating, a greener approach to sample preparation in vegetable matrices. <i>Food Chemistry</i> , 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. <i>Analytica Chimica Acta</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Analytical Chemistry</i> , 2016, 88, 1760-1767.	3.2	93
126	Evaluation of a multi-fiber exchange solid-phase microextraction system and its application to on-site sampling. <i>Journal of Separation Science</i> , 2015, 38, 3560-3567.	1.3	17

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127	Novel and Emerging Air-Sampling Devices. <i>Comprehensive Analytical Chemistry</i> , 2015, 70, 209-235.	0.7	9
128	In vivo solid-phase microextraction liquid chromatography-tandem mass spectrometry for monitoring blood eicosanoids time profile after lipopolysaccharide-induced inflammation in Sprague-Dawley rats. <i>Journal of Chromatography A</i> , 2015, 1424, 134-138.	1.8	30
129	Sample preparation with solid phase microextraction and exhaustive extraction approaches: Comparison for challenging cases. <i>Analytica Chimica Acta</i> , 2015, 873, 14-30.	2.6	160
130	Bioanalytical method for <i>in vitro</i> metabolism study of repaglinide using 96-blade thin-film solid-phase microextraction and LC-MS/MS. <i>Bioanalysis</i> , 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. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 236-248.	5.8	238
133	Selective extraction and enrichment of glycoproteins based on boronate affinity SPME and determination by CIEF-WCID. <i>Analytica Chimica Acta</i> , 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. <i>Analytical Chemistry</i> , 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. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 249-264.	5.8	203
136	Development of a standard gas generating vial comprised of a silicon oil-polystyrene/divinylbenzene composite sorbent. <i>Journal of Chromatography A</i> , 2015, 1410, 1-8.	1.8	17
137	Development of high throughput 96-blade solid phase microextraction-liquid chromatography-mass spectrometry protocol for metabolomics. <i>Analytica Chimica Acta</i> , 2015, 892, 95-104.	2.6	41
138	Solid Phase Microextraction Devices Prepared on Plastic Support as Potential Single-Use Samplers for Bioanalytical Applications. <i>Analytical Chemistry</i> , 2015, 87, 9722-9730.	3.2	73
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