

# Janusz B Pawliszyn

## List of Publications by Citations

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453  
papers

30,421  
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90  
h-index

158  
g-index

678  
ext. papers

32,588  
ext. citations

6.4  
avg, IF

7.68  
L-index

#	Paper	IF	Citations
453	Solid phase microextraction with thermal desorption using fused silica optical fibers. <i>Analytical Chemistry</i> , <b>1990</b> , 62, 2145-2148	7.8	3892
452	Applications of solid-phase microextraction in food analysis. <i>Journal of Chromatography A</i> , <b>2000</b> , 880, 35-62	4.5	850
451	Evolution of solid-phase microextraction technology. <i>Journal of Chromatography A</i> , <b>2000</b> , 885, 153-93	4.5	648
450	Solid-Phase Microextraction. A Solvent-Free Alternative for Sample Preparation. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 844A-853A	7.8	616
449	The Application of Chemically Modified Fused Silica Fibers in the Extraction of Organics from Water Matrix Samples and their Rapid Transfer to Capillary Columns. <i>Water Quality Research Journal of Canada</i> , <b>1989</b> , 24, 179-191	1.7	536
448	Dynamics of organic compound extraction from water using liquid-coated fused silica fibers. <i>Analytical Chemistry</i> , <b>1992</b> , 64, 1187-1199	7.8	519
447	Optimization of solid-phase microextraction conditions for determination of phenols. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 160-167	7.8	469
446	Automated In-Tube Solid-Phase Microextraction Coupled to High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 3140-3147	7.8	442
445	Nondestructive sampling of living systems using in vivo solid-phase microextraction. <i>Chemical Reviews</i> , <b>2011</b> , 111, 2784-814	68.1	365
444	Advances in Solid Phase Microextraction and Perspective on Future Directions. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 302-360	7.8	363
443	Rapid determination of polyaromatic hydrocarbons and polychlorinated biphenyls in water using solid-phase microextraction and GC/MS. <i>Environmental Science &amp; Technology</i> , <b>1994</b> , 28, 298-305	10.3	326
442	Thin-film microextraction. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 1002-10	7.8	322
441	Recent developments in solid-phase microextraction. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 393, 781-95	4.4	305
440	Solid Phase Microextraction Coupled to High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 2530-2533	7.8	281
439	Analysis of Flavor Volatiles Using Headspace Solid-Phase Microextraction. <i>Journal of Agricultural and Food Chemistry</i> , <b>1996</b> , 44, 2187-2193	5.7	252
438	Theory of analyte extraction by selected porous polymer SPME fibres. <i>Analyst, The</i> , <b>1999</b> , 124, 643-649	5	248
437	Sample preparation: quo vadis?. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 2543-58	7.8	235

436	Solid Phase Microextraction (SPME). <i>The Chemical Educator</i> , <b>1997</b> , 2, 1-7		233
435	A critical review in calibration methods for solid-phase microextraction. <i>Analytica Chimica Acta</i> , <b>2008</b> , 627, 184-97	6.6	233
434	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> , <b>2015</b> , 71, 224-235	14.6	228
433	Solid-phase microextraction for the analysis of human breath. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 587-96	7.8	227
432	Theory of solid-phase microextraction. <i>Journal of Chromatographic Science</i> , <b>2000</b> , 38, 270-8	1.4	213
431	Analysis of environmental air samples by solid-phase microextraction and gas chromatography/ion trap mass spectrometry. <i>Environmental Science &amp; Technology</i> , <b>1995</b> , 29, 693-701	10.3	209
430	Protocol for solid-phase microextraction method development. <i>Nature Protocols</i> , <b>2010</b> , 5, 122-39	18.8	207
429	SPME in environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 386, 1059-73	4.4	207
428	Fundamentals and applications of needle trap devices: a critical review. <i>Analytica Chimica Acta</i> , <b>2010</b> , 677, 3-18	6.6	205
427	In-tube molecularly imprinted polymer solid-phase microextraction for the selective determination of propranolol. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 2383-9	7.8	205
426	Solid Phase Microextraction for Determining the Distribution of Chemicals in Aqueous Matrices. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 597-600	7.8	203
425	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> , <b>2015</b> , 71, 236-248	14.6	199
424	Preparation and applications of polypyrrole films in solid-phase microextraction. <i>Journal of Chromatography A</i> , <b>2001</b> , 909, 37-52	4.5	198
423	Review of geometries and coating materials in solid phase microextraction: Opportunities, limitations, and future perspectives. <i>Analytica Chimica Acta</i> , <b>2017</b> , 984, 42-65	6.6	197
422	Sampling and determination of formaldehyde using solid-phase microextraction with on-fiber derivatization. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 2311-20	7.8	191
421	Air sampling with porous solid-phase microextraction fibers. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 5178-86	7.8	190
420	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> , <b>2015</b> , 71, 249-264	14.6	173
419	Thin-film microextraction offers another geometry for solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 39, 245-253	14.6	173

418	Solid-phase microextraction coupled with high-performance liquid chromatography for the determination of alkylphenol ethoxylate surfactants in water. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 1521-9	7.8	172
417	Recent trends in SPME concerning sorbent materials, configurations and in vivo applications. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 43, 24-36	14.6	171
416	Electrochemically controlled solid-phase microextraction based on conductive polypyrrole films. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 4855-9	7.8	170
415	Development of coated blade spray ionization mass spectrometry for the quantitation of target analytes present in complex matrices. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14503-7	16.4	167
414	Sampling and analysis of airborne particulate matter and aerosols using in-needle trap and SPME fiber devices. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 47-54	7.8	165
413	New Trends in Solid-Phase Microextraction. <i>Critical Reviews in Analytical Chemistry</i> , <b>1997</b> , 27, 103-135	5.2	163
412	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> , <b>1999</b> , 71, 4237-44	7.8	162
411	Solid-phase microextraction in bioanalysis: New devices and directions. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 4041-60	4.5	161
410	Recent developments in SPME for on-site analysis and monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 692-703	14.6	158
409	Environmental analysis of organic compounds in water using solid phase micro extraction. <i>Journal of High Resolution Chromatography</i> , <b>1992</b> , 15, 741-744		149
408	SPME--quo vadis?. <i>Analytica Chimica Acta</i> , <b>2012</b> , 750, 132-51	6.6	139
407	Field air analysis with SPME device. <i>Analytica Chimica Acta</i> , <b>1999</b> , 400, 153-162	6.6	138
406	A critical review of solid phase microextraction for analysis of water samples. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 85, 133-143	14.6	131
405	Field sampling and determination of formaldehyde in indoor air with solid-phase microextraction and on-fiber derivatization. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 1481-6	10.3	131
404	Sampling and determination of volatile organic compounds with needle trap devices. <i>Journal of Chromatography A</i> , <b>2005</b> , 1072, 127-35	4.5	129
403	Systematic evaluation of solid-phase microextraction coatings for untargeted metabolomic profiling of biological fluids by liquid chromatography-mass spectrometry. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1944-54	7.8	128
402	Time-weighted average sampling with solid-phase microextraction device: implications for enhanced personal exposure monitoring to airborne pollutants. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 1513-20	7.8	127
401	Sample preparation with solid phase microextraction and exhaustive extraction approaches: Comparison for challenging cases. <i>Analytica Chimica Acta</i> , <b>2015</b> , 873, 14-30	6.6	126

400	Analysis of organic compounds in environmental samples by headspace solid phase microextraction. <i>Journal of High Resolution Chromatography</i> , <b>1993</b> , 16, 689-692		122
399	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> , <b>2011</b> , 83, 6018-25	7.8	120
398	Method optimization for the analysis of amphetamines in urine by solid-phase microextraction. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 3899-906	7.8	119
397	Kinetics and the on-site application of standards in a solid-phase microextraction fiber. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 5807-15	7.8	119
396	In vivo solid-phase microextraction: capturing the elusive portion of metabolome. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5344-8	16.4	117
395	In vivo solid-phase microextraction in metabolomics: opportunities for the direct investigation of biological systems. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5618-28	16.4	114
394	Biocompatible solid-phase microextraction coatings based on polyacrylonitrile and solid-phase extraction phases. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 6903-11	7.8	112
393	Application of solid-phase microextraction for in vivo laboratory and field sampling of pharmaceuticals in fish. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 6073-9	10.3	111
392	Polypyrrole-coated capillary coupled to HPLC for in-tube solid-phase microextraction and analysis of aromatic compounds in aqueous samples. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 55-63	7.8	110
391	Solid-phase microextraction based on polypyrrole films with different counter ions. <i>Analytica Chimica Acta</i> , <b>2004</b> , 520, 257-264	6.6	108
390	Equilibrium in-fibre standardisation technique for solid-phase microextraction. <i>Journal of Chromatography A</i> , <b>2005</b> , 1072, 13-7	4.5	108
389	New cold-fiber headspace solid-phase microextraction device for quantitative extraction of polycyclic aromatic hydrocarbons in sediment. <i>Journal of Chromatography A</i> , <b>2006</b> , 1124, 35-42	4.5	106
388	Development and Evaluation of a Solid-Phase Microextraction Probe for in Vivo Pharmacokinetic Studies. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 5103-5115	7.8	105
387	Solid phase microextraction of inorganic anions based on polypyrrole film. <i>Analyst, The</i> , <b>2000</b> , 125, 391-394		105
386	Kinetic Model of Supercritical Fluid Extraction. <i>Journal of Chromatographic Science</i> , <b>1993</b> , 31, 31-37	1.4	105
385	Bioanalytical applications of solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2007</b> , 26, 36-45	14.6	104
384	Solid-phase microextraction in metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 61, 168-180	14.6	103
383	Automation of solid-phase microextraction in high-throughput format and applications to drug analysis. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 6870-80	7.8	103

382	Tissue-specific in vivo bioconcentration of pharmaceuticals in rainbow trout ( <i>Oncorhynchus mykiss</i> ) using space-resolved solid-phase microextraction. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3417-22	10.3	102
381	Design and validation of portable SPME devices for rapid field air sampling and diffusion-based calibration. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 481-6	7.8	102
380	Determination of amines in air and water using derivatization combined with solid-phase microextraction. <i>Journal of Chromatography A</i> , <b>1997</b> , 773, 249-260	4.5	101
379	Strategies for the analysis of polar solvents in liquid matrixes. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 19-27	7.8	101
378	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> , <b>2008</b> , 1196-1197, 89-95	4.5	100
377	Solid phase microextraction (SPME)-transmission mode (TM) pushes down detection limits in direct analysis in real time (DART). <i>Chemical Communications</i> , <b>2014</b> , 50, 12937-40	5.8	98
376	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> , <b>2012</b> , 84, 8301-9	7.8	97
375	Solid phase microextraction coupled to capillary electrophoresis. <i>Analytical Communications</i> , <b>1998</b> , 35, 353-356		96
374	Polypyrrole-coated capillary in-tube solid phase microextraction coupled with liquid chromatography-electrospray ionization mass spectrometry for the determination of $\beta$ -blockers in urine and serum samples. <i>Journal of Separation Science</i> , <b>2000</b> , 12, 255-266		96
373	Targeting Mitochondria with Avocatin B Induces Selective Leukemia Cell Death. <i>Cancer Research</i> , <b>2015</b> , 75, 2478-88	10.1	94
372	Solid-phase microextraction: a complementary in vivo sampling method to microdialysis. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12124-6	16.4	94
371	Development and application of needle trap devices. <i>Journal of Chromatography A</i> , <b>2008</b> , 1196-1197, 3-9	4.5	94
370	Quantitative in vivo microsampling for pharmacokinetic studies based on an integrated solid-phase microextraction system. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 4507-13	7.8	94
369	Biocompatible Solid-Phase Microextraction Nanoelectrospray Ionization: An Unexploited Tool in Bioanalysis. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1259-65	7.8	93
368	Optimization of fiber coating structure enables direct immersion solid phase microextraction and high-throughput determination of complex samples. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6933-8	7.8	93
367	Configurations and calibration methods for passive sampling techniques. <i>Journal of Chromatography A</i> , <b>2007</b> , 1168, 226-35; discussion 225	4.5	92
366	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> , <b>2017</b> , 89, 7240-7248	7.8	91
365	Analytical microextraction: current status and future trends. <i>Journal of Chromatographic Science</i> , <b>2006</b> , 44, 291-307	1.4	91

364	Fast in vivo microextraction: a new tool for clinical analysis. <i>Clinical Chemistry</i> , <b>2006</b> , 52, 708-15	5.5	91
363	Sampling-rate calibration for rapid and nonlethal monitoring of organic contaminants in fish muscle by solid-phase microextraction. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 7792-8	10.3	85
362	In vivo sampling with solid phase microextraction. <i>Journal of Proteomics</i> , <b>2007</b> , 70, 181-93		85
361	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> , <b>2000</b> , 24, 257-65	2.9	84
360	Automated solid-phase microextraction and thin-film microextraction for high-throughput analysis of biological fluids and ligand-receptor binding studies. <i>Nature Protocols</i> , <b>2010</b> , 5, 140-61	18.8	82
359	Time-weighted average passive sampling with a solid-phase microextraction device. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 2004-10	7.8	82
358	Investigation of the effect of the extraction phase geometry on the performance of automated solid-phase microextraction. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 4226-32	7.8	81
357	Determination of drug plasma protein binding by solid phase microextraction. <i>Journal of Pharmaceutical Sciences</i> , <b>2006</b> , 95, 1712-22	3.9	81
356	Time-weighted average sampling of volatile and semi-volatile airborne organic compounds by the solid-phase microextraction device. <i>Journal of Chromatography A</i> , <b>2000</b> , 892, 455-67	4.5	81
355	Fast Quantitation of Target Analytes in Small Volumes of Complex Samples by Matrix-Compatible Solid-Phase Microextraction Devices. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7510-4	16.4	81
354	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> , <b>2016</b> , 88, 1760-7	7.8	79
353	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> , <b>2013</b> , 1313, 139-46	4.5	76
352	Open Port Probe Sampling Interface for the Direct Coupling of Biocompatible Solid-Phase Microextraction to Atmospheric Pressure Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3805-3809	7.8	71
351	Introduction of solid-phase microextraction as a high-throughput sample preparation tool in laboratory analysis of prohibited substances. <i>Analytica Chimica Acta</i> , <b>2014</b> , 809, 69-81	6.6	71
350	Automation of solid-phase microextraction on a 96-well plate format. <i>Journal of Chromatography A</i> , <b>2007</b> , 1149, 127-37	4.5	71
349	Automated in-tube solid phase microextraction coupled with HPLC-ES-MS for the determination of catechins and caffeine in tea. <i>Analyst, The</i> , <b>2000</b> , 125, 2216-22	5	70
348	In vivo solid phase microextraction sampling of human saliva for non-invasive and on-site monitoring. <i>Analytica Chimica Acta</i> , <b>2015</b> , 856, 35-45	6.6	69
347	Optimization of solid phase microextraction for non-lethal in vivo determination of selected pharmaceuticals in fish muscle using liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2012</b> , 1261, 99-106	4.5	69

346	Blood sampling without blood draws for in vivo pharmacokinetic studies in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 47, 907-12	3.5	69
345	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> , <b>2000</b> , 4, 73-84		69
344	Determination of pharmaceutical residues in fish bile by solid-phase microextraction couple with liquid chromatography-tandem mass spectrometry (LC/MS/MS). <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5302-9	10.3	68
343	Extraction of formic and acetic acids from aqueous solution by dynamic headspace-needle trap extraction temperature and pH optimization. <i>Journal of Chromatography A</i> , <b>2008</b> , 1201, 228-34	4.5	68
342	Biological sample analysis with immunoaffinity solid-phase microextraction. <i>Analyst, The</i> , <b>2001</b> , 126, 1456-61		68
341	Solid-phase microextraction-gas chromatography-time-of-flight mass spectrometry utilized for the evaluation of the new-generation super elastic fiber assemblies. <i>Analytica Chimica Acta</i> , <b>2007</b> , 581, 221-31	6.6	67
340	Headspace Solid-Phase Microextraction versus Purge and Trap for the Determination of Substituted Benzene Compounds in Water. <i>Journal of Chromatographic Science</i> , <b>1994</b> , 32, 317-322	1.4	67
339	Time-weighted average water sampling in Lake Ontario with solid-phase microextraction passive samplers. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 4026-31	10.3	66
338	The development of selective and biocompatible coatings for solid phase microextraction. <i>Journal of Separation Science</i> , <b>2003</b> , 26, 251-260	3.4	66
337	Solid phase microextraction coupled with comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry for high-resolution metabolite profiling in apples: implementation of structured separations for optimization of sample preparation procedure in complex samples. <i>Journal of Chromatography A</i> , <b>2012</b> , 1251, 208-218	4.5	65
336	In vivo solid-phase microextraction for single rodent pharmacokinetics studies of carbamazepine and carbamazepine-10,11-epoxide in mice. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 3367-75	4.5	63
335	Aptamer-functionalized solid phase microextraction-liquid chromatography/tandem mass spectrometry for selective enrichment and determination of thrombin. <i>Analytica Chimica Acta</i> , <b>2014</b> , 845, 45-52	6.6	62
334	High throughput quantification of prohibited substances in plasma using thin film solid phase microextraction. <i>Journal of Chromatography A</i> , <b>2014</b> , 1374, 40-49	4.5	62
333	Development of the space-resolved solid-phase microextraction technique and its application to biological matrices. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 7349-56	7.8	62
332	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> , <b>2000</b> , 15, 837-842	3.7	62
331	Theory of Solid-Phase Microextraction <b>2012</b> , 13-59		61
330	Development and application of a needle trap device for time-weighted average diffusive sampling. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 7275-82	7.8	61
329	Determination of cocaine and methadone in urine samples by thin-film solid-phase microextraction and direct analysis in real time (DART) coupled with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 9723-7	4.4	60



328	In vivo solid-phase microextraction for monitoring intravenous concentrations of drugs and metabolites. <i>Nature Protocols</i> , <b>2011</b> , 6, 896-924	18.8	60
327	Automated determination of phenolic compounds in wine, berry, and grape samples using 96-blade solid phase microextraction system coupled with liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2013</b> , 1276, 12-9	4.5	59
326	System for the generation of standard gas mixtures of volatile and semi-volatile organic compounds for calibrations of solid-phase microextraction and other sampling devices. <i>Journal of Chromatography A</i> , <b>2004</b> , 1025, 3-9	4.5	59
325	Solid phase microextraction devices prepared on plastic support as potential single-use samplers for bioanalytical applications. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9722-30	7.8	58
324	High-Throughput Screening and Quantitation of Target Compounds in Biofluids by Coated Blade Spray-Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 8421-8428	7.8	58
323	Sorbent coated glass wool fabric as a thin film microextraction device. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 8990-5	7.8	58
322	Solid-phase microextraction under controlled agitation conditions for rapid on-site sampling of organic pollutants in water. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 6979-85	4.5	58
321	On-rod standardization technique for time-weighted average water sampling with a polydimethylsiloxane rod. <i>Journal of Chromatography A</i> , <b>2006</b> , 1124, 112-20	4.5	58
320	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, The</i> , <b>2017</b> , 142, 2928-2935	5.5	57
319	A non-invasive method for in vivo skin volatile compounds sampling. <i>Analytica Chimica Acta</i> , <b>2013</b> , 804, 111-9	6.6	57
318	Study of ligand-receptor binding using SPME: investigation of receptor, free, and total ligand concentrations. <i>Journal of Proteome Research</i> , <b>2005</b> , 4, 789-800	5.6	57
317	Field sampling with a polydimethylsiloxane thin-film. <i>Journal of Chromatographic Science</i> , <b>2006</b> , 44, 317-234	4.5	57
316	Development of coatings for automated 96-blade solid phase microextraction-liquid chromatography-tandem mass spectrometry system, capable of extracting a wide polarity range of analytes from biological fluids. <i>Journal of Chromatography A</i> , <b>2012</b> , 1261, 91-8	4.5	56
315	Quantitative analysis of biofluid spots by coated blade spray mass spectrometry, a new approach to rapid screening. <i>Scientific Reports</i> , <b>2017</b> , 7, 16104	4.9	54
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