

Heather L Lord

List of Publications by Year in descending order

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43
papers

4,735
citations

201385

27
h-index

264894

42
g-index

68
all docs

68
docs citations

68
times ranked

3285
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of solid-phase microextraction in food analysis. <i>Journal of Chromatography A</i> , 2000, 880, 35-62.	1.8	964
2	Evolution of solid-phase microextraction technology. <i>Journal of Chromatography A</i> , 2000, 885, 153-193.	1.8	717
3	Microextraction of drugs. <i>Journal of Chromatography A</i> , 2000, 902, 17-63.	1.8	424
4	Protocol for solid-phase microextraction method development. <i>Nature Protocols</i> , 2010, 5, 122-139.	5.5	247
5	Fundamentals and applications of needle trap devices. <i>Analytica Chimica Acta</i> , 2010, 677, 3-18.	2.6	235
6	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.	3.2	179
7	Method Optimization for the Analysis of Amphetamines in Urine by Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 1997, 69, 3899-3906.	3.2	143
8	Breath Analysis and Monitoring by Membrane Extraction with Sorbent Interface. <i>Analytical Chemistry</i> , 2002, 74, 5650-5657.	3.2	138
9	Analysis of polar pesticides in water and wine samples by automated in-tube solid-phase microextraction coupled with high-performance liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2002, 976, 357-367.	1.8	134
10	Solid phase microextraction of inorganic anions based on polypyrrole film. <i>Analyst</i> , 2000, 125, 391-394.	1.7	121
11	Development and Evaluation of a Solid-Phase Microextraction Probe for in Vivo Pharmacokinetic Studies. <i>Analytical Chemistry</i> , 2003, 75, 5103-5115.	3.2	112
12	Automation of solid-phase microextraction. <i>Journal of Separation Science</i> , 2005, 28, 2010-2022.	1.3	106
13	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
14	Strategies for interfacing solid-phase microextraction with liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1152, 2-13.	1.8	100
15	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.	1.7	96
16	Automated In-Tube Solid-Phase Microextraction Coupled with Liquid Chromatography-Electrospray Ionization Mass Spectrometry for the Determination of Selected Benzodiazepines. <i>Journal of Analytical Toxicology</i> , 2000, 24, 718-725.	1.7	77
17	Automated in-tube solid-phase microextraction-liquid chromatography-electrospray ionization mass spectrometry for the determination of ranitidine. <i>Biomedical Applications</i> , 1999, 731, 353-359.	1.7	74
18	In vivo solid-phase microextraction for monitoring intravenous concentrations of drugs and metabolites. <i>Nature Protocols</i> , 2011, 6, 896-924.	5.5	68

#	ARTICLE	IF	CITATIONS
19	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
20	Nanomaterials for ultrasensitive electrochemical nucleic acids biosensing. <i>Journal of Materials Chemistry</i> , 2009, 19, 3127.	6.7	52
21	Development of automated in-tube SPME/LC/MS method for drug analysis. <i>Journal of Separation Science</i> , 2000, 12, 493-500.	1.0	51
22	Determination of malondialdehyde in human plasma by fully automated solid phase analytical derivatization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1292-1298.	1.2	49
23	On-line coupling of in-tube solid phase microextraction (SPME) to HPLC for analysis of carbamates in water samples: Comparison of two commercially available autosamplers. <i>Journal of Separation Science</i> , 2000, 12, 125-134.	1.0	48
24	Determination of antibiotic drug concentrations in circulating human blood by means of solid phase micro-extraction. <i>Clinica Chimica Acta</i> , 2007, 386, 57-62.	0.5	45
25	A study of the performance characteristics of immunoaffinity solid phase microextraction probes for extraction of a range of benzodiazepines. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 506-519.	1.4	40
26	Speciation of trimethyllead and triethyllead by in-tube solid phase microextraction high-performance liquid chromatography electrospray ionization mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 595-600.	1.6	37
27	In vivo study of triazine herbicides in plants by SPME. <i>Analyst, The</i> , 2004, 129, 107-108.	1.7	32
28	Theory and Validation of Solid-Phase Microextraction and Needle Trap Devices for Aerosol Sample. <i>Analytical Chemistry</i> , 2010, 82, 9521-9527.	3.2	27
29	Development and evaluation of a new <i>in vivo</i> solid-phase microextraction sampler. <i>Journal of Separation Science</i> , 2013, 36, 219-223.	1.3	27
30	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
31	Automation of Solid-Phase Microextraction-Gas Chromatography-Mass Spectrometry Extraction of Eucalyptus Volatiles. <i>Journal of Chromatographic Science</i> , 2002, 40, 140-146.	0.7	24
32	Automated derivatization and analysis of malondialdehyde using column switching sample preparation HPLC with fluorescence detection. <i>Journal of Separation Science</i> , 2008, 31, 387-401.	1.3	22
33	Sampling and Monitoring of Biogenic Emissions by Eucalyptus Leaves Using Membrane Extraction with Sorbent Interface (MESI). <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 6281-6286.	2.4	21
34	Inhibition of benzo[a]pyrene dihydrodiol epoxide mutagenicity by synthetic analogues of ellagic acid. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1990, 242, 143-149.	1.2	19
35	Development of an immunoaffinity solid phase microextraction method for the identification of penicillin binding protein 2a. <i>Journal of Chromatography A</i> , 2014, 1364, 64-73.	1.8	17
36	Re-evaluation of the effect of ellagic acid on dimethylnitrosamine mutagenicity. <i>Mutagenesis</i> , 1989, 4, 453-455.	1.0	16

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37	A new strategy to eliminate sample mixing during in-tube solid phase microextraction. Journal of Chromatography A, 2013, 1318, 12-21.	1.8	11
38	Dimethylnitrosamine genotoxicity: does N-acetyltransferase activity play a role?. Carcinogenesis, 1994, 15, 479-482.	1.3	9
39	Application of Membrane Extraction with Sorbent Interface for Breath Analysis. Methods in Molecular Biology, 2010, 610, 451-468.	0.4	7
40	Chapter 23 Sampling and sample preparation for clinical and pharmaceutical analysis. Comprehensive Analytical Chemistry, 2002, 37, 779-836.	0.7	6
41	Reevaluation of the effect of ellagic acid on N-methyl-N-nitrosourea DNA alkylation and mutagenicity. Chemical Research in Toxicology, 1990, 3, 195-198.	1.7	5
42	Comments on "Helical Sorbent for Fast Sorption and Desorption in Solid-Phase Microextraction-Gas Chromatographic Analysis". Analytical Chemistry, 2003, 75, 3946-3949.	3.2	4
43	Drug Analysis by SPME. , 2012, , 335-382.		2