

Philip A Smith

List of Publications by Year in descending order

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39
papers

800
citations

516710

16
h-index

526287

27
g-index

40
all docs

40
docs citations

40
times ranked

668
citing authors

#	ARTICLE	IF	CITATIONS
1	Methemoglobinemia resulting from exposure in a confined space: Exothermic self-polymerization of 4,4-dimethylol-diphenyl diisocyanate (MDI) material. <i>Journal of Occupational and Environmental Hygiene</i> , 2017, 14, D13-D21.	1.0	4
2	Application of a High Surface Area Solid-Phase Microextraction Air Sampling Device: Collection and Analysis of Chemical Warfare Agent Surrogate and Degradation Compounds. <i>Analytical Chemistry</i> , 2013, 85, 8626-8633.	6.5	13
3	Determining Airborne Concentrations of Spatial Repellent Chemicals in Mosquito Behavior Assay Systems. <i>PLoS ONE</i> , 2013, 8, e71884.	2.5	7
4	Identifying the effective concentration for spatial repellency of the dengue vector <i>Aedes aegypti</i> . <i>Parasites and Vectors</i> , 2012, 5, 300.	2.5	43
5	Person-portable gas chromatography: Rapid temperature program operation through resistive heating of columns with inherently low thermal mass properties. <i>Journal of Chromatography A</i> , 2012, 1261, 37-45.	3.7	35
6	Chemical Warfare Agents. , 2012, , 621-646.		1
7	Dichlorodiphenyltrichloroethane determination in air by thermal desorption gas chromatography-mass spectrometry. <i>Pest Management Science</i> , 2012, 68, 1360-1367.	3.4	8
8	Gas chromatographic analysis of chemical warfare agents. , 2012, , 875-900.		0
9	Use of a hand-portable gas chromatograph-toroidal ion trap mass spectrometer for self-chemical ionization identification of degradation products related to O-ethyl S-(2-diisopropylaminoethyl) methyl phosphonothiolate (VX). <i>Analytica Chimica Acta</i> , 2011, 690, 215-220.	5.4	35
10	Unknown Exposures: Gaps in Basic Characterization Addressed with Person-Portable Gas Chromatography-Mass Spectrometry Instrumentation. <i>Journal of Occupational and Environmental Hygiene</i> , 2011, 8, 129-138.	1.0	15
11	Field-portable gas chromatography with transmission quadrupole and cylindrical ion trap mass spectrometric detection: Chromatographic retention index data and ion/molecule interactions for chemical warfare agent identification. <i>International Journal of Mass Spectrometry</i> , 2010, 295, 113-118.	1.5	39
12	Artifacts related to N-methyl-N-(tert-butyl-dimethylsilyl)trifluoroacetamide derivatization of citrulline revealed by gas chromatography-mass spectrometry using both electron and chemical ionization. <i>Journal of Chromatography A</i> , 2010, 1217, 5444-5448.	3.7	9
13	Chemical Agent Detection Using GC-IMS: A Comparative Study. <i>IEEE Sensors Journal</i> , 2010, 10, 451-460.	4.7	16
14	Directly Heated High Surface Area Solid Phase Microextraction Sampler for Rapid Field Forensic Analyses. <i>Analytical Chemistry</i> , 2009, 81, 8724-8733.	6.5	17
15	Hand-Held Photoionization Instruments for Quantitative Detection of Sarin Vapor and for Rapid Qualitative Screening of Contaminated Objects. <i>Journal of Occupational and Environmental Hygiene</i> , 2007, 4, 729-738.	1.0	17
16	Closed tube sample introduction for gas chromatography-ion mobility spectrometry analysis of water contaminated with a chemical warfare agent surrogate compound. <i>Analytica Chimica Acta</i> , 2006, 556, 455-461.	5.4	32
17	Detection of gas-phase chemical warfare agents using field-portable gas chromatography-mass spectrometry systems: instrument and sampling strategy considerations. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 296-306.	11.4	94
18	Dynamic solid phase microextraction for sampling of airborne sarin with gas chromatography-mass spectrometry for rapid field detection and quantification. <i>Journal of Separation Science</i> , 2004, 27, 1017-1022.	2.5	25

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19	Gas chromatography using a resistively heated column with mass spectrometric detection for rapid analysis of pyridine released from Bacillus spores. <i>Journal of Chromatography A</i> , 2004, 1036, 249-253.	3.7	10
20	Solid phase microextraction sampling and gas chromatography/mass spectrometry for field detection of the chemical warfare agent O-ethyl S-(2-diisopropylaminoethyl) methylphosphonothiolate (VX). <i>Journal of Separation Science</i> , 2003, 26, 1091-1096.	2.5	35
21	Detection of VX contamination in soil through solid-phase microextraction sampling and gas chromatography/mass spectrometry of the VX degradation product bis(diisopropylaminoethyl)disulfide. <i>Journal of Chromatography A</i> , 2003, 992, 1-9.	3.7	51
22	Volatile Organic Compounds Produced During Irradiation of Mail. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2003, 64, 189-195.	0.4	8
23	Traditional Sampling With Laboratory Analysis and Solid Phase Microextraction Sampling With Field Gas Chromatography/Mass Spectrometry by Military Industrial Hygienists. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2002, 63, 284-292.	0.4	14
24	Liberation of Hydrogen Cyanide and Hydrogen Chloride During High-Temperature Dispersion of CS Riot Control Agent. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2002, 63, 493-496.	0.4	17
25	Solid phase microextraction with analysis by gas chromatography to determine short term hydrogen cyanide concentrations in a field setting. <i>Journal of Separation Science</i> , 2002, 25, 917-921.	2.5	19
26	Solid-phase microextraction (SPME) for rapid field sampling and analysis by gas chromatography-mass spectrometry (GC-MS). <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 534-543.	11.4	66
27	Formation of 2-chlorobenzylidenemalononitrile (CS riot control agent) thermal degradation products at elevated temperatures. <i>Journal of Chromatography A</i> , 2002, 952, 205-213.	3.7	16
28	Application of headspace solid-phase microextraction and gas chromatography-mass spectrometry for detection of the chemical warfare agent bis(2-chloroethyl) sulfide in soil. <i>Journal of Chromatography A</i> , 2002, 971, 185-191.	3.7	57
29	Identification of CS-derived compounds formed during heat-dispersion of CS riot control agent. <i>Journal of Separation Science</i> , 2001, 13, 186-190.	1.0	14
30	Solvating gas chromatography with chemiluminescence detection of nitroglycerine and other explosives. <i>Journal of Chromatography A</i> , 2000, 902, 413-419.	3.7	20
31	Airborne Aldehydes from Heating Rosin Core Solder and Liquid Rosin Flux to Soldering Temperatures. <i>AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2000, 61, 95-101.	0.4	2
32	RAPID SEPARATION OF NITROAROMATIC COMPOUNDS BY SOLVATING GAS CHROMATOGRAPHY. <i>Drug and Chemical Toxicology</i> , 2000, 23, 155-160.	2.3	3
33	Airborne Aldehydes from Heating Rosin Core Solder and Liquid Rosin Flux to Soldering Temperatures. <i>AIHA Journal</i> , 2000, 61, 95-101.	0.4	1
34	Conjugation of 7-Oxodehydroabiatic Acid to Lysine, A Haptenation Mechanism for an Oxidized Resin Acid with Dermal Sensitizing Properties. <i>Journal of Occupational and Environmental Hygiene</i> , 1999, 14, 171-176.	0.4	5
35	Chemical Detection in Deployment Toxicology Using High Speed Gas Chromatography with a Solvating Mobile Phase and Time-of-Flight Mass Spectrometry. <i>Drug and Chemical Toxicology</i> , 1999, 22, 57-71.	2.3	2
36	Packed capillary column solvating gas chromatography of aldehydes. <i>Journal of Chromatography A</i> , 1998, 818, 265-269.	3.7	2

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37	Oxidized Resin Acids in Aerosol Derived from Rosin Core Solder. AIHA Journal, 1998, 59, 889-894.	0.4	11
38	Detection of Resin Acid Compounds in Airborne Particulate Generated from Rosin Used as a Soldering Flux. AIHA Journal, 1997, 58, 868-875.	0.4	16
39	Sampling and analysis of airborne resin acids and solvent-soluble material derived from heated colophony (rosin) flux: a method to quantify exposure to sensitizing compounds liberated during electronics soldering. Toxicology, 1996, 111, 225-238.	4.2	18