Philip A Smith

List of Publications by Year
in descending order

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	Detection of gas-phase chemical warfare agents using field-portable gas chromatographyâ€“mass spectrometry systems: instrument and sampling strategy considerations. TrAC - Trends in Analytical Chemistry, 2004, 23, 296-306.	11.4	94
2	Solid-phase microextraction (SPME) for rapid field sampling and analysis by gas chromatography-mass spectrometry (GC-MS). TrAC - Trends in Analytical Chemistry, 2002, 21, 534-543.	11.4	66
3	Application of headspace solid-phase microextraction and gas chromatographyâ€“mass spectrometry for detection of the chemical warfare agent bis(2-chloroethyl) sulfide in soil. Journal of Chromatography A, 2002, 971, 185-191.	3.7	57
4	Detection of VX contamination in soil through solid-phase microextraction sampling and gas chromatography/mass spectrometry of the VX degradation product bis(diisopropylaminoethyl)disulfide. Journal of Chromatography A, 2003, 992, 1-9.	3.7	51
5	Identifying the effective concentration for spatial repellency of the dengue vector Aedes aegypti. Parasites and Vectors, 2012, 5, 300.	2.5	43
6	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. International Journal of Mass Spectrometry, 2010, 295, 113-118.	1.5	39
7	Solid phase microextraction sampling and gas chromatography/mass spectrometry for field detection of the chemical warfare agentO-ethylS-(2-diisopropylaminoethyl) methylphosphonothiolate (VX). Journal of Separation Science, 2003, 26, 1091-1096.	2.5	35
8	Use of a hand-portable gas chromatographâ€“toroidal ion trap mass spectrometer for self-chemical ionization identification of degradation products related to O-ethyl S-(2-diisopropylaminoethyl) methyl phosphonothiolate (VX). Analytica Chimica Acta, 2011, 690, 215-220.	5.4	35
9	Person-portable gas chromatography: Rapid temperature program operation through resistive heating of columns with inherently low thermal mass properties. Journal of Chromatography A, 2012, 1261, 37-45.	3.7	35
10	Closed tube sample introduction for gas chromatographyâ€“ion mobility spectrometry analysis of water contaminated with a chemical warfare agent surrogate compound. Analytica Chimica Acta, 2006, 556, 455-461.	5.4	32
11	Dynamic solid phase microextraction for sampling of airborne sarin with gas chromatography-mass spectrometry for rapid field detection and quantification. Journal of Separation Science, 2004, 27, 1017-1022.	2.5	25
12	Solvating gas chromatography with chemiluminescence detection of nitroglycerine and other explosives. Journal of Chromatography A, 2000, 902, 413-419.	3.7	20
13	Solid phase microextraction with analysis by gas chromatography to determine short term hydrogen cyanide concentrations in a field setting. Journal of Separation Science, 2002, 25, 917-921.	2.5	19
14	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
15	Liberation of Hydrogen Cyanide and Hydrogen Chloride During High-Temperature Dispersion of CS Riot Control Agent. AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety, 2002, 63, 493-496.	0.4	17
16	Hand-Held Photoionization Instruments for Quantitative Detection of Sarin Vapor and for Rapid Qualitative Screening of Contaminated Objects. Journal of Occupational and Environmental Hygiene, 2007, 4, 729-738.	1.0	17
17	Directly Heated High Surface Area Solid Phase Microextraction Sampler for Rapid Field Forensic Analyses. Analytical Chemistry, 2009, 81, 8724-8733.	6.5	17
18	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

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19	Formation of 2-chlorobenzylidenemalononitrile (CS riot control agent) thermal degradation products at elevated temperatures. Journal of Chromatography A, 2002, 952, 205-213.	3.7	16
20	Chemical Agent Detection Using GC-IMS: A Comparative Study. IEEE Sensors Journal, 2010, 10, 451-460.	4.7	16
21	Unknown Exposures: Gaps in Basic Characterization Addressed with Person-Portable Gas Chromatography-Mass Spectrometry Instrumentation. Journal of Occupational and Environmental Hygiene, 2011, 8, 129-138.	1.0	15
22	Identification of CS-derived compounds formed during heat-dispersion of CS riot control agent. Journal of Separation Science, 2001, 13, 186-190.	1.0	14
23	Traditional Sampling With Laboratory Analysis and Solid Phase Microextraction Sampling With Field Gas Chromatography/Mass Spectrometry by Military Industrial Hygienists. AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety, 2002, 63, 284-292.	0.4	14
24	Application of a High Surface Area Solid-Phase Microextraction Air Sampling Device: Collection and Analysis of Chemical Warfare Agent Surrogate and Degradation Compounds. Analytical Chemistry, 2013, 85, 8626-8633.	6.5	13
25	Oxidized Resin Acids in Aerosol Derived from Rosin Core Solder. AIHA Journal, 1998, 59, 889-894.	0.4	11
26	Gas chromatography using a resistively heated column with mass spectrometric detection for rapid analysis of pyridine released from Bacillus spores. Journal of Chromatography A, 2004, 1036, 249-253.	3.7	10
27	Artifacts related to N-methyl-N-(tert-butyldimethylsilyl)trifluoroacetamide derivatization of citrulline revealed by gas chromatographyâ€“mass spectrometry using both electron and chemical ionization. Journal of Chromatography A, 2010, 1217, 5444-5448.	3.7	9
28	Volatile Organic Compounds Produced During Irradiation of Mail. AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety, 2003, 64, 189-195.	0.4	8
29	Dichlorodiphenyltrichloroethane determination in air by thermal desorption gas chromatographyâ€“mass spectrometry. Pest Management Science, 2012, 68, 1360-1367.	3.4	8
30	Determining Airborne Concentrations of Spatial Repellent Chemicals in Mosquito Behavior Assay Systems. PLoS ONE, 2013, 8, e71884.	2.5	7
31	Conjugation of 7-Oxodehydroabietic Acid to Lysine, A Haptenation Mechanism for an Oxidized Resin Acid with Dermal Sensitizing Properties. Journal of Occupational and Environmental Hygiene, 1999, 14, 171-176.	0.4	5
32	Methemoglobinemia resulting from exposure in a confined space: Exothermic self-polymerization of 4,4â€²-methylene diphenyl diisocyanate (MDI) material. Journal of Occupational and Environmental Hygiene, 2017, 14, D13-D21.	1.0	4
33	RAPID SEPARATION OF NITROAROMATIC COMPOUNDS BY SOLVATING GAS CHROMATOGRAPHY. Drug and Chemical Toxicology, 2000, 23, 155-160.	2.3	3
34	Packed capillary column solvating gas chromatography of aldehydes. Journal of Chromatography A, 1998, 818, 265-269.	3.7	2
35	Chemical Detection in Deployment Toxicology Using High Speed Gas Chromatography with a Solvating Mobile Phase and Time-of-Flight Mass Spectrometry. Drug and Chemical Toxicology, 1999, 22, 57-71.	2.3	2
36	Airborne Aldehydes from Heating Rosin Core Solder and Liquid Rosin Flux to Soldering Temperatures. AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety, 2000, 61, 95-101.	0.4	2

#	Article	IF	Citations
37	Chemical Warfare Agents. , 2012, , 621-646.		1
38	Airborne Aldehydes from Heating Rosin Core Solder and Liquid Rosin Flux to Soldering Temperatures. AIHA Journal, 2000, 61, 95-101.	0.4	1
39	Gas chromatographic analysis of chemical warfare agents. , 2012, , 875-900.		0