

Jennifer R Verkouteren

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

795
citations

567281

15
h-index

642732

23
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24
all docs

24
docs citations

24
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving particle collection efficiency of sampling wipes used for trace chemical detection. <i>Analytical Methods</i> , 2022, 14, 581-587.	2.7	1
2	Detection of fuel oxidizer explosives utilizing portable capillary electrophoresis with wipe-based sampling. <i>Electrophoresis</i> , 2020, 41, 1482-1490.	2.4	17
3	Method for evaluating ion mobility spectrometers for trace detection of fentanyl and fentanyl-related substances. <i>Analytical Methods</i> , 2019, 11, 6043-6052.	2.7	18
4	Discriminative potential of ion mobility spectrometry for the detection of fentanyl and fentanyl analogues relative to confounding environmental interferents. <i>Analyst, The</i> , 2019, 144, 6391-6403.	3.5	17
5	Review of the National Institute of Standards and Technology Research Program in Trace Contraband Detection. , 2019, , 49-62.		0
6	Microscopy to Support Trace Screening of Contraband, Including Explosives and Illicit Drugs. <i>Microscopy and Microanalysis</i> , 2018, 24, 1170-1171.	0.4	1
7	New particle-based trace explosive test material produced by drop-on-demand inkjet printing for quantitative wipe-sampling studies. <i>Analytical Methods</i> , 2017, 9, 3441-3449.	2.7	10
8	Rapid detection of fentanyl, fentanyl analogues, and opioids for on-site or laboratory based drug seizure screening using thermal desorption DART-MS and ion mobility spectrometry. <i>Forensic Chemistry</i> , 2017, 4, 108-115.	2.8	132
9	Standardized Method for Measuring Collection Efficiency from Wipe-sampling of Trace Explosives. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	3
10	Particle Fabrication Using Inkjet Printing onto Hydrophobic Surfaces for Optimization and Calibration of Trace Contraband Detection Sensors. <i>Sensors</i> , 2015, 15, 29618-29634.	3.8	11
11	Performance metrics based on signal intensity for ion mobility spectrometry based explosive trace detectors using inkjet printed materials. <i>Analyst, The</i> , 2014, 139, 5488-5498.	3.5	21
12	Measurement of drug facilitated sexual assault agents in simulated sweat by ion mobility spectrometry. <i>Talanta</i> , 2013, 106, 375-380.	5.5	18
13	Use of force-sensing array films to improve surface wipe sampling. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 373-380.	3.5	15
14	Pressure-Sensitive Sampling Wands for Homeland Security Applications. <i>IEEE Sensors Journal</i> , 2013, 13, 4844-4850.	4.7	14
15	Inkjet Metrology II: Resolved Effects of Ejection Frequency, Fluidic Pressure, and Droplet Number on Reproducible Drop-on-Demand Dispensing. <i>Langmuir</i> , 2011, 27, 9644-9653.	3.5	49
16	Reliability of ion mobility spectrometry for qualitative analysis of complex, multicomponent illicit drug samples. <i>Forensic Science International</i> , 2011, 206, 190-196.	2.2	103
17	Automated Mapping of Explosives Particles in Composition C4 Fingerprints*. <i>Journal of Forensic Sciences</i> , 2010, 55, 334-340.	1.6	39
18	Inkjet Metrology: High-Accuracy Mass Measurements of Microdroplets Produced by a Drop-on-Demand Dispenser. <i>Analytical Chemistry</i> , 2009, 81, 8577-8584.	6.5	85

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19	A method to determine collection efficiency of particles by swipe sampling. Measurement Science and Technology, 2008, 19, 115101.	2.6	53
20	Particle Characteristics of Trace High Explosives: RDX and PETN. Journal of Forensic Sciences, 2007, 52, 335-340.	1.6	78
21	Automated analysis of organic particles using cluster SIMS. Applied Surface Science, 2004, 231-232, 186-190.	6.1	10
22	Anomalous optical properties of fibrous tremolite, actinolite, and ferro-actinolite. American Mineralogist, 2002, 87, 1090-1095.	1.9	13
23	Amphibole asbestos from Libby, Montana: Aspects of nomenclature: Table 1.. American Mineralogist, 2000, 85, 1540-1542.	1.9	65
24	The tremolite-actinolite-ferro-actinolite series: Systematic relationships among cell parameters, composition, optical properties, and habit, and evidence of discontinuities. American Mineralogist, 2000, 85, 1239-1254.	1.9	22