

Jennifer R Verkouteren

List of Publications by Year in descending order

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24
papers

795
citations

567281

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642732

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24
docs citations

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times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Particle Characteristics of Trace High Explosives: RDX and PETN. <i>Journal of Forensic Sciences</i> , 2007, 52, 335-340.	1.6	78
5	Amphibole asbestos from Libby, Montana: Aspects of nomenclature: Table 1.. <i>American Mineralogist</i> , 2000, 85, 1540-1542.	1.9	65
6	A method to determine collection efficiency of particles by swipe sampling. <i>Measurement Science and Technology</i> , 2008, 19, 115101.	2.6	53
7	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
8	Automated Mapping of Explosives Particles in Composition δ^4 Fingerprints*. <i>Journal of Forensic Sciences</i> , 2010, 55, 334-340.	1.6	39
9	The tremolite-actinolite-ferroactinolite series: Systematic relationships among cell parameters, composition, optical properties, and habit, and evidence of discontinuities. <i>American Mineralogist</i> , 2000, 85, 1239-1254.	1.9	22
10	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
11	Measurement of drug facilitated sexual assault agents in simulated sweat by ion mobility spectrometry. <i>Talanta</i> , 2013, 106, 375-380.	5.5	18
12	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
13	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
14	Detection of fuel oxidizer explosives utilizing portable capillary electrophoresis with wipe-based sampling. <i>Electrophoresis</i> , 2020, 41, 1482-1490.	2.4	17
15	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
16	Pressure-Sensitive Sampling Wands for Homeland Security Applications. <i>IEEE Sensors Journal</i> , 2013, 13, 4844-4850.	4.7	14
17	Anomalous optical properties of fibrous tremolite, actinolite, and ferro-actinolite. <i>American Mineralogist</i> , 2002, 87, 1090-1095.	1.9	13
18	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

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19	Automated analysis of organic particles using cluster SIMS. Applied Surface Science, 2004, 231-232, 186-190.	6.1	10
20	New particle-based trace explosive test material produced by drop-on-demand inkjet printing for quantitative wipe-sampling studies. Analytical Methods, 2017, 9, 3441-3449.	2.7	10
21	Standardized Method for Measuring Collection Efficiency from Wipe-sampling of Trace Explosives. Journal of Visualized Experiments, 2017, , .	0.3	3
22	Microscopy to Support Trace Screening of Contraband, Including Explosives and Illicit Drugs. Microscopy and Microanalysis, 2018, 24, 1170-1171.	0.4	1
23	Improving particle collection efficiency of sampling wipes used for trace chemical detection. Analytical Methods, 2022, 14, 581-587.	2.7	1
24	Review of the National Institute of Standards and Technology Research Program in Trace Contraband Detection. , 2019, , 49-62.		0