

Ruben F Kranenburg

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

346
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

178
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation of handheld Raman spectroscopy for cocaine detection in forensic case samples. <i>Drug Testing and Analysis</i> , 2021, 13, 1054-1067.	2.6	42
2	Distinguishing drug isomers in the forensic laboratory: GC-UV in addition to GC-MS for orthogonal selectivity and the use of library match scores as a new source of information. <i>Forensic Science International</i> , 2019, 302, 109900.	2.2	40
3	Revealing hidden information in GC-MS spectra from isomeric drugs: Chemometrics based identification from 15 eV and 70 eV EI mass spectra. <i>Forensic Chemistry</i> , 2020, 18, 100225.	2.8	40
4	Rapid and robust on-scene detection of cocaine in street samples using a handheld near-infrared spectrometer and machine learning algorithms. <i>Drug Testing and Analysis</i> , 2020, 12, 1404-1418.	2.6	34
5	Mass-Spectrometry-Based Identification of Synthetic Drug Isomers Using Infrared Ion Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 7282-7288.	6.5	34
6	Benefits of derivatization in GC-MS-based identification of new psychoactive substances. <i>Forensic Chemistry</i> , 2020, 20, 100273.	2.8	32
7	On-site illicit-drug detection with an integrated near-infrared spectral sensor: A proof of concept. <i>Talanta</i> , 2022, 245, 123441.	5.5	23
8	Isomer-Specific Two-Color Double-Resonance IR ² MS ³ Ion Spectroscopy Using a Single Laser: Application in the Identification of Novel Psychoactive Substances. <i>Analytical Chemistry</i> , 2021, 93, 2687-2693.	6.5	22
9	A calibration friendly approach to identify drugs of abuse mixtures with a portable near-infrared analyzer. <i>Drug Testing and Analysis</i> , 2022, 14, 1089-1101.	2.6	20
10	Spotting isomer mixtures in forensic illicit drug casework with GC-UV using automated coelution detection and spectral deconvolution. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1173, 122675.	2.3	19
11	Deliberate evasion of narcotic legislation: Trends visualized in commercial mixtures of new psychoactive substances analyzed by GC-solid deposition-FTIR. <i>Forensic Chemistry</i> , 2021, 25, 100346.	2.8	17
12	The importance of wavelength selection in on-scene identification of drugs of abuse with portable near-infrared spectroscopy. <i>Forensic Chemistry</i> , 2022, 30, 100437.	2.8	11
13	Electrochemical detection of MDMA and 2C-B in ecstasy tablets using a selectivity enhancement strategy by in-situ derivatization. <i>Forensic Chemistry</i> , 2022, 27, 100383.	2.8	7
14	Impurities, adulterants and cutting agents in cocaine as potential candidates for retrospective mining of GC-MS data. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2022, 62, 60-75.	2.1	5