

Avi Weissberg

List of Publications by Year in descending order

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24
papers

230
citations

1040056

9
h-index

996975

15
g-index

25
all docs

25
docs citations

25
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative derivatization of V&Etype nerve agents as a tool for their structural elucidation by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9216.	1.5	0
2	Elucidation of synthetic N-benzyl cathinone structures using chemical derivatization and liquid chromatography&Etdash;tandem mass spectrometry analysis. <i>Forensic Chemistry</i> , 2022, 29, 100422.	2.8	1
3	A novel approach for the detection and identification of sulfur mustard using liquid chromatography&Etdash;electrospray ionization&Etdash;tandem mass spectrometry based on its selective oxidation to sulfur mustard monoxide with <i>N</i>&Etdash;iodosuccinimide. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4721.	1.6	5
4	Extended retrospective detection of regenerated sarin (GB) in rabbit blood and the IMPA metabolite in urine: a pharmacokinetics study. <i>Archives of Toxicology</i> , 2021, 95, 2403-2412.	4.2	2
5	Structural elucidation of dipeptides displaying limited mass spectral information by liquid chromatography&Etdash;electrospray ionization&Etdash;tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4778.	1.6	1
6	Retrospective determination of regenerated nerve agent sarin in human blood by liquid chromatography&Etdash;mass spectrometry and in vivo implementation in rabbit. <i>Archives of Toxicology</i> , 2020, 94, 103-111.	4.2	10
7	Structural elucidation of phenidate analogues via the ESI-MS/MS spectra of their sodium adduct ions. <i>Forensic Science International</i> , 2020, 306, 110044.	2.2	6
8	Instantaneous monitoring of free sarin in whole blood by dry blood spot&Etdash;thermal desorption&Etdash;GC&Etdash;FPD/MS analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1136, 121911.	2.3	7
9	Determination of free G-type nerve agents in blood: in situ derivatization on a dried blood spot (DBS) paper followed by LC&Etdash;MS/MS analysis. <i>Forensic Toxicology</i> , 2020, 38, 327-339.	2.4	8
10	Trace level detection and identification of tabun in aqueous media by derivatization and liquid chromatography tandem mass spectrometry analysis. <i>International Journal of Mass Spectrometry</i> , 2020, 456, 116393.	1.5	6
11	Structural elucidation of V&Etype nerve agents by liquid chromatography/electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4617.	1.6	2
12	Enantioselective in-vitro elimination kinetics of nerve agents in blood monitored by derivatization and LC&Etdash;MS/MS analysis. <i>Archives of Toxicology</i> , 2020, 94, 3751-3757.	4.2	0
13	Highly sensitive retrospective determination of organophosphorous nerve agent biomarkers in human urine implemented in vivo in rabbit. <i>Archives of Toxicology</i> , 2020, 94, 3033-3044.	4.2	6
14	Structural elucidation of amino amide&Etdash;type local anesthetic drugs and their main metabolites in urine by LC&Etdash;MS after derivatization and its application for differentiation between positional isomers of prilocaine. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4654.	1.6	5
15	Identification of G&Etdash;nerve agents at picogram levels from complex organic samples containing hydrocarbon interferences by aqueous extraction, followed by derivatization and liquid chromatography&Etdash;mass spectrometry analysis. <i>Journal of Mass Spectrometry</i> , 2019, 54, 274-280.	1.6	6
16	Challenges in the identification process of phenidate analogues in LC&Etdash;ESI&Etdash;MS/MS analysis: Information enhancement by derivatization with isobutyl chloroformate. <i>Journal of Mass Spectrometry</i> , 2019, 54, 266-273.	1.6	10
17	Oxidation&Etdash;assisted structural elucidation of compounds containing a tertiary amine side chain using liquid chromatography mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2018, 53, 518-524.	1.6	9
18	Aqueous extraction followed by derivatization and liquid chromatography&Etdash;mass spectrometry analysis: A unique strategy for trace detection and identification of G-nerve agents in environmental matrices. <i>Journal of Chromatography A</i> , 2018, 1577, 24-30.	3.7	22

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19	Development of a multiplex Endopep-MS assay for simultaneous detection of botulinum toxins A, B and E. <i>Scientific Reports</i> , 2017, 7, 14859.	3.3	12
20	Determination of trace amounts of G-type nerve agents in aqueous samples utilizing <i>in vial</i> instantaneous derivatization and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1512, 71-77.	3.7	17
21	Determination of organophosphorus acids by liquid chromatography positive electrospray ionization tandem mass spectrometry after chemical derivatization. <i>International Journal of Mass Spectrometry</i> , 2016, 408, 20-27.	1.5	5
22	Structural identification of compounds containing tertiary amine side chains using ESI-MS3 combined with fragmentation pattern matching to chemical analogues – Benzimidazole derivatives as a case study. <i>International Journal of Mass Spectrometry</i> , 2016, 394, 9-21.	1.5	9
23	Specificity enhancement by electrospray ionization multistage mass spectrometry – a valuable tool for differentiation and identification of <i>V</i> -type chemical warfare agents. <i>Journal of Mass Spectrometry</i> , 2013, 48, 1340-1348.	1.6	16
24	Interpretation of ESI(+)-MS-MS spectra – Towards the identification of <i>unknowns</i> . <i>International Journal of Mass Spectrometry</i> , 2011, 299, 158-168.	1.5	64