

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	Interpretation of ESI(+)-MS-MS spectraâ€”Towards the identification of â€œunknownsâ€. International Journal of Mass Spectrometry, 2011, 299, 158-168.	1.5	64
2	Aqueous extraction followed by derivatization and liquid chromatographyâ€”mass spectrometry analysis: A unique strategy for trace detection and identification of G-nerve agents in environmental matrices. Journal of Chromatography A, 2018, 1577, 24-30.	3.7	22
3	Determination of trace amounts of G-type nerve agents in aqueous samples utilizing â€œin vialâ€ instantaneous derivatization and liquid chromatographyâ€”tandem mass spectrometry. Journal of Chromatography A, 2017, 1512, 71-77.	3.7	17
4	Specificity enhancement by electrospray ionization multistage mass spectrometry â€” a valuable tool for differentiation and identification of â€œVâ€-type chemical warfare agents. Journal of Mass Spectrometry, 2013, 48, 1340-1348.	1.6	16
5	Development of a multiplex Endopep-MS assay for simultaneous detection of botulinum toxins A, B and E. Scientific Reports, 2017, 7, 14859.	3.3	12
6	Challenges in the identification process of phenidate analogues in LCâ€”ESIâ€”MS/MS analysis: Information enhancement by derivatization with isobutyl chloroformate. Journal of Mass Spectrometry, 2019, 54, 266-273.	1.6	10
7	Retrospective determination of regenerated nerve agent sarin in human blood by liquid chromatographyâ€”mass spectrometry and in vivo implementation in rabbit. Archives of Toxicology, 2020, 94, 103-111.	4.2	10
8	Structural identification of compounds containing tertiary amine side chains using ESI-MS3 combined with fragmentation pattern matching to chemical analogues â€” Benzimidazole derivatives as a case study. International Journal of Mass Spectrometry, 2016, 394, 9-21.	1.5	9
9	Oxidationâ€”assisted structural elucidation of compounds containing a tertiary amine side chain using liquid chromatography mass spectrometry. Journal of Mass Spectrometry, 2018, 53, 518-524.	1.6	9
10	Determination of free G-type nerve agents in blood: in situ derivatization on a dried blood spot (DBS) paper followed by LCâ€”MS/MS analysis. Forensic Toxicology, 2020, 38, 327-339.	2.4	8
11	Instantaneous monitoring of free sarin in whole blood by dry blood spotâ€”thermal desorptionâ€”GCâ€”FPD/MS analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1136, 121911.	2.3	7
12	Identification of Gâ€”nerve agents at picogram levels from complex organic samples containing hydrocarbon interferences by aqueous extraction, followed by derivatization and liquid chromatographyâ€”mass spectrometry analysis. Journal of Mass Spectrometry, 2019, 54, 274-280.	1.6	6
13	Structural elucidation of phenidate analogues via the ESI-MS/MS spectra of their sodium adduct ions. Forensic Science International, 2020, 306, 110044.	2.2	6
14	Trace level detection and identification of tabun in aqueous media by derivatization and liquid chromatography tandem mass spectrometry analysis. International Journal of Mass Spectrometry, 2020, 456, 116393.	1.5	6
15	Highly sensitive retrospective determination of organophosphorous nerve agent biomarkers in human urine implemented in vivo in rabbit. Archives of Toxicology, 2020, 94, 3033-3044.	4.2	6
16	Determination of organophosphorus acids by liquid chromatography positive electrospray ionization tandem mass spectrometry after chemical derivatization. International Journal of Mass Spectrometry, 2016, 408, 20-27.	1.5	5
17	A novel approach for the detection and identification of sulfur mustard using liquid chromatographyâ€”electrospray ionizationâ€”tandem mass spectrometry based on its selective oxidation to sulfur mustard monoxide with <i>N</i> -iodosuccinimide. Journal of Mass Spectrometry, 2021, 56, e4721.	1.6	5
18	Structural elucidation of amino amideâ€”type local anesthetic drugs and their main metabolites in urine by LCâ€”MS after derivatization and its application for differentiation between positional isomers of prilocaine. Journal of Mass Spectrometry, 2020, 55, e4654.	1.6	5

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19	Structural elucidation of V“type nerve agents by liquid chromatography/electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 2020, 55, e4617.	1.6	2
20	Extended retrospective detection of regenerated sarin (GB) in rabbit blood and the IMPA metabolite in urine: a pharmacokinetics study. Archives of Toxicology, 2021, 95, 2403-2412.	4.2	2
21	Structural elucidation of dipeptides displaying limited mass spectral information by liquid chromatography“electrospray ionization“tandem mass spectrometry. Journal of Mass Spectrometry, 2021, 56, e4778.	1.6	1
22	Elucidation of synthetic N-benzyl cathinone structures using chemical derivatization and liquid chromatography“tandem mass spectrometry analysis. Forensic Chemistry, 2022, 29, 100422.	2.8	1
23	Enantioselective in-vitro elimination kinetics of nerve agents in blood monitored by derivatization and LC“MS/MS analysis. Archives of Toxicology, 2020, 94, 3751-3757.	4.2	0
24	Oxidative derivatization of V“type nerve agents as a tool for their structural elucidation by liquid chromatography“tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2022, 36, e9216.	1.5	0