Shai Dagan

List of Publications by Year
in descending order

18 papers	251 citations	1163117 8 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	248 citing authors

#	Article	IF	Citations
1	Software-Assisted Automated Detection and Identification of â€œUnknownâ€•Analogues: Implementation on V-Type Nerve Agents. Journal of the American Society for Mass Spectrometry, 2022, 33, 1541-1547.	2.8	3
2	Selective screening for â€œunknownâ€•phosphorous-containing compounds using high-resolution accurate-mass LC-MS. International Journal of Mass Spectrometry, 2021, 462, 116530.	1.5	5
3	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
4	Unraveling mosquito metabolism with mass spectrometry-based metabolomics. Trends in Parasitology, 2021, 37, 747-761.	3.3	11
5	A multipleâ€•method comparative study using GCâ€“MS, AMDIS and inâ€•houseâ€•built software for the detection and identification of â€œunknownâ€•volatile organic compounds in breath. Journal of Mass Spectrometry, 2021, 56, e4782.	1.6	9
6	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
7	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
8	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
9	Enantioselective in-vitro elimination kinetics of nerve agents in blood monitored by derivatization and LCâ€“MS/MS analysis. Archives of Toxicology, 2020, 94, 3751-3757.	4.2	0
10	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
11	Mass spectrometry-based stable-isotope tracing uncovers metabolic alterations in pyruvate kinase-deficient Aedes aegypti mosquitoes. Insect Biochemistry and Molecular Biology, 2020, 121, 103366.	2.7	5
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	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
14	Positional stable isotope tracer analysis reveals carbon routes during ammonia metabolism of Aedes aegypti mosquitoes. FASEB Journal, 2018, 32, 466-477.	0.5	10
15	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
16	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
17	Interpretation of ESI(+)-MS-MS spectraâ€”Towards the identification of â€œunknownsâ€• International Journal of Mass Spectrometry, 2011, 299, 158-168.	1.5	64
18	Comparison of gas chromatographyâ€“pulsed flame photometric detectionâ€“mass spectrometry, automated mass spectral deconvolution and identification system and gas chromatographyâ€“tandem mass spectrometry as tools for trace level detection and identification. Journal of Chromatography A, 2000, 868, 229-247.	3.7	57