Mary Lehane

List of Publications by Year
in descending order

31 papers	2,221 citations	279798 23 h-index	454955 30 g-index
34 all docs	34 docs citations	34 times ranked	2151 citing authors

#	Article	IF	Citations
1	Sample extraction and liquid chromatographyâ€“tandem mass spectrometry (LC-MS/MS) method development and validation for the quantitative detection of cyanobacterial hepatotoxins and neurotoxins in Singapore's reservoirs. Marine and Freshwater Research, 2020, 71, 673.	1.3	4
2	Survey of microcystins in Singapore's reservoirs using liquid chromatographyâ€“tandem mass spectrometry (LC-MS/MS). Marine and Freshwater Research, 2020, 71, 659.	1.3	6
3	High-resolution mass spectrometry analysis of tetrodotoxin (TTX) and its analogues in puffer fish and shellfish. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 1468-1489.	2.3	30
4	LC-MS/MS method for the determination of tetrodotoxin (TTX) on a triple quadruple mass spectrometer. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 1728-1740.	2.3	23
5	Tetrodotoxin: Chemistry, Toxicity, Source, Distribution and Detection. Toxins, 2014, 6, 693-755.	3.4	282
6	The effect of simulated gastro-intestinal conditions on the antioxidant activity of herbal preparations made from native Irish hawthorn. Journal of Herbal Medicine, 2014, 4, 127-133.	2.0	13
7	Ion suppression; A critical review on causes, evaluation, prevention and applications. Talanta, 2013, 115, 104-122.	5.5	370
8	Development of a nano-electrospray MSn method for the analysis of serotonin and related compounds in urine using a LTQ-orbitrap mass spectrometer. Talanta, 2012, 90, 1-11.	5.5	24
9	The Application and Validation of HybridSPE-Precipitation Cartridge Technology for the Rapid Clean-up of Serum Matrices (from Phospholipids) for the Clinical Analysis of Serotonin, Dopamine and Melatonin. Chromatographia, 2012, 75, 1257-1269.	1.3	14
10	Hawthorn (Crataegus spp.) in the treatment of cardiovascular disease. Pharmacognosy Reviews, 2010, 4, 32.	1.2	100
11	Azaspiracid poisoning (AZP) toxins in shellfish: Toxicological and health considerations. Toxicon, 2010, 56, 173-190.	1.6	92
12	The occurrence of domoic acid linked to a toxic diatom bloom in a new potential vector: The tunicate Pyura chilensis (piure). Toxicon, 2009, 54, 754-762.	1.6	33
13	Liquid Chromatographyâ^'Tandem Mass Spectrometry Application, for the Determination of Extracellular Hepatotoxins in Irish Lake and Drinking Waters. Analytical Chemistry, 2007, 79, 3436-3447.	6.5	58
14	Strategies to avoid the mis-identification of anatoxin-a using mass spectrometry in the forensic investigation of acute neurotoxic poisoning. Journal of Chromatography A, 2005, 1082, 91-97.	3.7	75
15	Anatoxins and degradation products, determined using hybrid quadrupole time-of-flight and quadrupole ion-trap mass spectrometry: forensic investigations of cyanobacterial neurotoxin poisoning. Rapid Communications in Mass Spectrometry, 2005, 19, 1167-1175.	1.5	64
16	Amnesic shellfish poisoning toxins in bivalve molluscs in Ireland. Toxicon, 2005, 46, 852-858.	1.6	63
17	The fragmentation pathways of azaspiracids elucidated using positive nanospray hybrid quadrupole time-of-flight (QqTOF) mass spectrometry. Spectroscopy, 2004, 18, 355-362.	0.8	14
18	Liquid chromatographyâ€"multiple tandem mass spectrometry for the determination of ten azaspiracids, including hydroxyl analogues in shellfish. Journal of Chromatography A, 2004, 1024, 63-70.	3.7	43

#	Article	IF	Citations
19	Determination of toxic cyclic heptapeptides by liquid chromatography with detection using ultra-violet, protein phosphatase assay and tandem mass spectrometry. Chemosphere, 2004, 55, 1395-1402.	8.2	54
20	Rapid determination of polyether marine toxins using liquid chromatographyâ€“multiple tandem mass spectrometry. Journal of Chromatography A, 2004, 1056, 77-82.	3.7	26
21	Elucidation of the fragmentation pathways of azaspiracids, using electrospray ionisation, hydrogen/deuterium exchange, and multiple-stage mass spectrometry. Journal of Mass Spectrometry, 2003, 38, 1178-1186.	1.6	35
22	Liquid chromatography with electrospray ion-trap mass spectrometry for the determination of anatoxins in cyanobacteria and drinking water. Rapid Communications in Mass Spectrometry, 2003, 17, 583-588.	1.5	65
23	Ubiquitous â€˜benignâ€™ alga emerges as the cause of shellfish contamination responsible for the human toxic syndrome, azaspiracid poisoning. Toxicon, 2003, 41, 145-151.	1.6	143
24	Detection of five new hydroxyl analogues of azaspiracids in shellfish using multiple tandem mass spectrometry. Toxicon, 2003, 41, 277-283.	1.6	129
25	The first identification of azaspiracids in shellfish from France and Spain. Toxicon, 2003, 42, 105-108.	1.6	120
26	Geographical, Temporal, and Species Variation of the Polyether Toxins, Azaspiracids, in Shellfish. Environmental Science & Technology, 2003, 37, 3078-3084.	10.0	72
27	First evidence of an extensive northern European distribution of azaspiracid poisoning (AZP) toxins in shellfish. Toxicon, 2002, 40, 909-915.	1.6	147
28	Determination of azaspiracids in shellfish using liquid chromatography/tandem electrospray mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 238-242.	1.5	54
29	Comparison of solid-phase extraction methods for the determination of azaspiracids in shellfish by liquid chromatographyâ€“electrospray mass spectrometry. Journal of Chromatography A, 2002, 963, 353-361.	3.7	19
30	New fluorimetric method of liquid chromatography for the determination of the neurotoxin domoic acid in seafood and marine phytoplankton. Journal of Chromatography A, 2000, 871, 1-6.	3.7	46
31	Anatoxin-a and Analogues: Discovery, Distribution, and Toxicology. , 0, , 141-158.		2