Michael A Quilliam

List of Publications by Year
in descending order

171	9,024	25034	53230
papers	citations	57 h-index	85 g-index

173	173	173	4270
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrophilic interaction liquid chromatographyâ€“mass spectrometry for the analysis of paralytic shellfish poisoning (PSP) toxins. Journal of Chromatography A, 2005, 1081, 190-201.	3.7	246
2	AN OUTBREAK OF DOMOIC ACID POISONING ATTRIBUTED TO THE PENNATE DIATOM PSEUDONITZSCHIA AUSTRALIS1. Journal of Phycology, 1992, 28, 439-442.	2.3	218
3	The marine dinoflagellate Alexandrium ostenfeldii (Dinophyceae) as the causative organism of spirolide shellfish toxins. Phycologia, 2000, 39, 67-74.	1.4	203
4	Isolation of pectenotoxin-2 from Dinophysis acuta and its conversion to pectenotoxin-2 seco acid, and preliminary assessment of their acute toxicities. Toxicon, 2004, 43, 1-9.	1.6	193
5	Rapid Extraction and Cleanup for Liquid Chromatographic Determination of Domoic Acid in Unsalted Seafood. Journal of AOAC INTERNATIONAL, 1995, 78, 543-554.	1.5	182
6	Spirolides B and D, two novel macrocycles isolated from the digestive glands of shellfish. Journal of the Chemical Society Chemical Communications, 1995, , 2159.	2.0	176
7	Characterization of Spirolides A, C, and 13-Desmethyl C, New Marine Toxins Isolated from Toxic Plankton and Contaminated Shellfish. Journal of Natural Products, 2001, 64, 308-312.	3.0	174
8	Quantitative1H NMR with External Standards:Â Use in Preparation of Calibration Solutions for Algal Toxins and Other Natural Products. Analytical Chemistry, 2005, 77, 3123-3131.	6.5	171
9	Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2004, 1028, 155-164.	3.7	149
10	Using a Modified Ferrous Oxidationâ^'Xylenol Orange (FOX) Assay for Detection of Lipid Hydroperoxides in Plant Tissue. Journal of Agricultural and Food Chemistry, 2002, 50, 248-254.	5.2	139
11	High-Performance Liquid Chromatography of Domoic Acid, a Marine Neurotoxin, with Application to Shellfish and Plankton. International Journal of Environmental Analytical Chemistry, 1989, 36, 139-154.	3.3	138
12	Ion-spray mass spectrometry of marine neurotoxins. Rapid Communications in Mass Spectrometry, 1989, 3, 145-150.	1.5	123
13	Detection of new 7-O-acyl derivatives of diarrhetic shellfish poisoning toxins by liquid chromatography-mass spectrometry. Toxicon, 1992, 30, 1621-1630.	1.6	121
14	Three Novel Hydroxybenzoate Saxitoxin Analogues Isolated from the Dinoflagellate Gymnodinium catenatum. Chemical Research in Toxicology, 2003, 16, 1029-1033.	3.3	120
15	Analysis of Diarrhetic Shellfish Poisoning Toxins in Shellfish Tissue by Liquid Chromatography with Fluorometric and Mass Spectrometric Detection. Journal of AOAC INTERNATIONAL, 1995, 78, 555-569.	1.5	118
16	Detection and Identification of Spirolides in Norwegian Shellfish and Plankton. Chemical Research in Toxicology, 2005, 18, 509-515.	3.3	112
17	New Diol Esters Isolated from Cultures of the Dinoflagellates Prorocentrum lima and Prorocentrum concavum. Journal of Natural Products, 1992, 55, 1631-1637.	3.0	108
18	The use of silyl groups in protecting the hydroxyl functions of ribonucleosides. Tetrahedron Letters, 1974, 15, 2861-2863.	1.4	107

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19	Liquid Chromatography Post-Column Oxidation (PCOX) Method for the Determination of Paralytic Shellfish Toxins in Mussels, Clams, Oysters, and Scallops: Collaborative Study. Journal of AOAC INTERNATIONAL, 2011, 94, 1154-1176.	1.5	107
20	Discovery of new analogs of the marine biotoxin azaspiracid in blue mussels (Mytilus edulis) by ultraâ€performance liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 549-558.	1.5	105
21	The Amnesic Shellfish Poisoning Mystery. Analytical Chemistry, 1989, 61, 1053A-1060A.	6.5	102
22	A Novel Pectenotoxin, PTX-12, in Dinophysis Spp. and Shellfish from Norway. Chemical Research in Toxicology, 2004, 17, 1423-1433.	3.3	101
23	Isolation and Structure Elucidation of New and Unusual Saxitoxin Analogues from Mussels. Journal of Natural Products, 2008, 71, 1518-1523.	3.0	101
24	Characterization of flame-generated C10 to C160 polycyclic aromatic hydrocarbons by atmospheric-pressure chemical ionization mass spectrometry with liquid introduction via heated nebulizer interface. Journal of the American Society for Mass Spectrometry, 1996, 7, 276-286.	2.8	100
25	Evidence for numerous analogs of yessotoxin in Protoceratium reticulatum. Harmful Algae, 2005, 4, 1075-1091.	4.8	99
26	Rapid Postcolumn Methodology for Determination of Paralytic Shellfish Toxins in Shellfish Tissue. Journal of AOAC INTERNATIONAL, 2008, 91, 589-597.	1.5	99
27	Isolation of a new diarrhetic shellfish poison from Irish mussels. Journal of the Chemical Society Chemical Communications, 1992, , 39.	2.0	96
28	Neural Injury Biomarkers of Novel Shellfish Toxins, Spirolides: A Pilot Study Using Immunochemical and Transcriptional Analysis. NeuroToxicology, 2003, 24, 593-604.	3.0	95
29	On auxotrophy for pyrimidines of respiration-deficient chick embryo cells. FEBS Journal, 1984, 142, 49-55.	0.2	93
30	Spirolides Isolated from Danish Strains of the Toxigenic DinoflagellateAlexandriumostenfeldii. Journal of Natural Products, 2006, 69, 983-987.	3.0	90
31	Metabolism of 1-nitropyrene and formation of DNA adducts in Salmonella typhimurium. Carcinogenesis, 1981, 2, 1007-1011.	2.8	87
32	The role of chromatography in the hunt for red tide toxins. Journal of Chromatography A, 2003, 1000, 527-548.	3.7	86
33	Acute toxicities of saxitoxin, neosaxitoxin, decarbamoyl saxitoxin and gonyautoxins 1&4 and 2&3 to mice by various routes of administration. Toxicon, 2013, 76, 77-83.	1.6	86
34	Liquid Chromatography with Mass Spectrometryâ€"Detection of Lipophilic Shellfish Toxins. Journal of AOAC INTERNATIONAL, 2005, 88, 1371-1382.	1.5	85
35	The toxigenic marine dinoflagellate Alexandrium tamarense as the probable cause of mortality of caged salmon in Nova Scotia. Harmful Algae, 2002, 1, 313-325.	4.8	84
36	Distribution and toxicity of Alexandrium ostenfeldii (Dinophyceae) in the Gulf of Maine, USA. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 2745-2763.	1.4	84

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37	LC-MS/MS Analysis of Diarrhetic Shellfish Poisoning (DSP) Toxins, Okadaic Acid and Dinophysistoxin Analogues, and Other Lipophilic Toxins. Analytical Sciences, 2011, 27, 571-584.	1.6	84
38	Ion-spray mass spectrometry of marine toxins II. Analysis of diarrhetic shellfish toxins in plankton by liquid chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 1990, 4, 206-213.	1.5	80
39	Selective protection of hydroxyl groups in deoxynucleosides using alkylsilyl reagents.. Tetrahedron Letters, 1974, 15, 2865-2868.	1.4	79
40	Sterically crowded trialkylsilyl derivatives for chromatography and mass spectrometry of biologically-important compounds. Analytical Chemistry, 1978, 50, 59-68.	6.5	76
41	CONFIRMATION OF DOMOIC ACID PRODUCTION BY PSEUDO-NITZSCHIA AUSTRALIS (BACILLARIOPHYCEAE) ISOLATED FROM IRISH WATERS1. Journal of Phycology, 2002, 38, 1106-1112.	2.3	76
42	Liquid chromatographic determination of domoic acid in shellfish products using the paralytic shellfish poison extraction procedure of the association of official analytical chemists. Journal of Chromatography A, 1989, 462, 349-356.	3.7	75
43	Detection and confirmation of saxitoxin analogues in freshwater benthic Lyngbya wollei algae collected in the St. Lawrence River (Canada) by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2012, 1219, 93-103.	3.7	73
44	Determination of sulfonamides by liquid chromatography, ultraviolet diode array detection and ion-spray tandem mass spectrometry with application to cultured salmon flesh. Journal of Chromatography A, 1991, 558, 155-173.	3.7	72
45	Detection of paralytic shellfish poisoning (PSP) toxins in shellfish tissue using MIST Alertâ„¢, a new rapid test, in parallel with the regulatory AOACÂ® mouse bioassay. Toxicon, 2002, 40, 1407-1425.	1.6	72
46	Solid-phase extraction and liquid chromatographyâ€“mass spectrometry for the determination of free fatty acids in shellfish. Journal of Chromatography A, 2007, 1145, 51-57.	3.7	71
47	Liquid chromatographyâ€“mass spectrometry of spiroketal stereoisomers of pectenotoxins and the analysis of novel pectenotoxin isomers in the toxic dinoflagellate Dinophysis acuta from New Zealand. Journal of Chromatography A, 2003, 992, 141-150.	3.7	69
48	Investigations into the Toxicology of Spirolides, a Group of Marine Phycotoxins. Toxins, 2012, 4, 1-14.	3.4	69
49	Discovery of okadaic acid esters in the toxic dinoflagellateDinophysis acuta from New Zealand using liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 1131-1138.	1.5	66
50	Discovery of fatty acid ester metabolites of spirolide toxins in mussels from Norway using liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 1531-1537.	1.5	66
51	First report of the cyanobacterial toxin cylindrospermopsin in New Zealand. Toxicon, 2001, 39, 1219-1222.	1.6	65
52	Analysis of domoic acid isomers in seafood by capillary electrophoresis. Electrophoresis, 1997, 18, 268-276.	2.4	63
53	Study of possible combined toxic effects of azaspiracid-1 and okadaic acid in mice via the oral route. Toxicon, 2012, 60, 895-906.	1.6	63
54	Diversity and toxicity of the diatom Pseudo-nitzschia Peragallo in the Gulf of Maine, Northwestern Atlantic Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 103, 139-162.	1.4	63

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55	Hydrophilic interaction liquid chromatography/mass spectrometry for determination of domoic acid in Adriatic shellfish. Rapid Communications in Mass Spectrometry, 2005, 19, 2030-2038.	1.5	62
56	Identification of Pinnatoxins and Discovery of Their Fatty Acid Ester Metabolites in Mussels (Mytilus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.2	62
57	Multispecies mass mortality of marine fauna linked to a toxic dinoflagellate bloom. PLoS ONE, 2017, 12, e0176299.	2.5	62
58	Determination and Confirmation of the Amnesic Shellfish Poisoning Toxin, Domoic Acid, in Shellfish from Scotland by Liquid Chromatography and Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2001, 84, 1657-1667.	1.5	59
59	Comparison of AOAC 2005.06 LC official method with other methodologies for the quantitation of paralytic shellfish poisoning toxins in UK shellfish species. Analytical and Bioanalytical Chemistry, 2011, 399, 1257-1270.	3.7	56
60	Comparison of liquid chromatography/mass spectrometry interfaces for the analysis of polycyclic aromatic compounds. Analytical Chemistry, 1995, 67, 4145-4154.	6.5	55
61	Identification of Pectenotoxin-11 as 34S-Hydroxypectenotoxin-2, a New Pectenotoxin Analogue in the Toxic DinoflagellateDinophysis acutafrom New Zealand. Chemical Research in Toxicology, 2006, 19, 310-318.	3.3	55
62	Characterization of a Dispiroketal Spirolide Subclass from Alexandrium ostenfeldii. Journal of Natural Products, 2009, 72, 1237-1240.	3.0	54
63	High affinity for the rat brain sodium channel of newly discovered hydroxybenzoate saxitoxin analogues from the dinoflagellate Gymnodinium catenatum. Toxicon, 2004, 43, 101-104.	1.6	53
64	Enzymatic hydrolysis of esterified diarrhetic shellfish poisoning toxins and pectenotoxins. Analytical and Bioanalytical Chemistry, 2007, 389, 335-342.	3.7	53
65	Characterization of the oxidation products of paralytic shellfish poisoning toxins by liquid chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 1993, 7, 482-487.	1.5	51
66	Ionspray mass spectrometry of marine toxins. IV. Determination of diarrhetic shellfish poisoning toxins in mussel tissue by liquid chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 1992, 6, 121-127.	1.5	50
67	C60 and C70 fullerene isomers generated in flames. Detection and verification by liquid chromatography/mass spectrometry analyses. Rapid Communications in Mass Spectrometry, 1992, 6, 214-220.	1.5	50
68	Bacterial degradation of paralytic shellfish toxins. Toxicon, 2008, 52, 91-100.	1.6	50
69	Metabolism of 1,8-dinitropyrene by Salmonella typhimurium. Chemico-Biological Interactions, 1984, 49, 351-368.	4.0	48
70	Elucidation of matrix effects and performance of solid-phase extraction for LC-MS/MS analysis of Î²-N-methylamino-l-alanine (BMAA) and 2,4-diaminobutyric acid (DAB) neurotoxins in cyanobacteria. Analyst, The, 2012, 137, 1210.	3.5	47
71	Analysis of polycyclic aromatic compounds by supercritical fluid charomatography/mass spectrometry using atmospheric-pressure chemical ionization. Rapid Communications in Mass Spectrometry, 1991, 5, 149-155.	1.5	45
72	Determination of erythromycin A in salmon tissue by liquid chromatography with ionspray mass spectrometry. Biological Mass Spectrometry, 1992, 21, 675-687.	0.5	45

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73	Analysis of trace levels of domoic acid in seawater and plankton by liquid chromatography without derivatization, using UV or mass spectrometry detection. Journal of Chromatography A, 2009, 1216, 6003-6011.	3.7	45
74	Improved Isolation Procedure for Azaspiracids from Shellfish, Structural Elucidation of Azaspiracid-6, and Stability Studies. Journal of Agricultural and Food Chemistry, 2012, 60, 2447-2455.	5.2	45
75	An idiotypic-anti-idiotypic competitive immunoassay for quantitation of okadaic acid. Toxicon, 1992, 30, 1441-1448.	1.6	44
76	Liquid chromatography/mass spectrometry investigation of the reversed-phase separation of fullerenes and their derivatives. Analytical Chemistry, 1993, 65, 2236-2242.	6.5	44
77	Simultaneous occurrence of diarrhetic and paralytic shellfish poisoning toxins in Spanish mussels in 1993. Natural Toxins, 1996, 4, 72-79.	1.0	44
78	A nonâ€toxigenic but morphologically and phylogenetically distinct new species of Pseudoâ€nitzschia, P.Âsabit sp. nov. (Bacillariophyceae). Journal of Phycology, 2015, 51, 706-725.	2.3	44
79	Toxin Profile of Gymnodinium catenatum (Dinophyceae) from the Portuguese Coast, as Determined by Liquid Chromatography Tandem Mass Spectrometry. Marine Drugs, 2015, 13, 2046-2062.	4.6	44
80	Selective quantitation of the neurotoxin BMAA by use of hydrophilic-interaction liquid chromatographyâ€“differential mobility spectrometryâ€“tandem mass spectrometry (HILICâ€“DMSâ€“MS/MS). Analytical and Bioanalytical Chemistry, 2015, 407, 8397-8409.	3.7	44
81	Identification of the DNA adduct formed by metabolism of 1,8-dinitropyrene in Salmonella typhimurium. Carcinogenesis, 1986, 7, 105-110.	2.8	43
82	Isolation and identification of (44-R,S)-44,55-dihydroxyyessotoxin from Protoceratium reticulatum, and its occurrence in extracts of shellfish from New Zealand, Norway and Canada. Toxicon, 2005, 46, 160-170.	1.6	42
83	Grazing on toxic Alexandrium fundyense resting cysts and vegetative cells by the eastern oyster (Crassostrea virginica). Harmful Algae, 2006, 5, 678-684.	4.8	42
84	Comparative toxicity of the diarrhetic shellfish poisons, okadaic acid, okadaic acid diol-ester and dinophysistoxin-4, to the diatom Thalassiosira weissflogii. Toxicon, 1997, 35, 1591-1603.	1.6	41
85	Liquid Chromatography/Mass Spectrometry of Domoic Acid and Lipophilic Shellfish Toxins with Selected Reaction Monitoring and Optional Confirmation by Library Searching of Product Ion Spectra. Journal of AOAC INTERNATIONAL, 2014, 97, 316-324.	1.5	41
86	The preparation of certified calibration solutions for azaspiracid-1, -2, and -3, potent marine biotoxins found in shellfish. Analytical and Bioanalytical Chemistry, 2010, 398, 2243-2252.	3.7	40
87	A mussel tissue certified reference material for multiple phycotoxins. Part 2: liquid chromatographyâ€“mass spectrometry, sample extraction and quantitation procedures. Analytical and Bioanalytical Chemistry, 2011, 400, 835-846.	3.7	40
88	Dinitropyrene-resistant Salmonella typhimurium are deficient in an acetyl-CoA acetyltransferase. Chemico-Biological Interactions, 1985, 54, 281-288.	4.0	39
89	Phytoplankton composition of the Kandalaksha Gulf, Russian White Sea: Dinophysis and lipophilic toxins in the blue mussel (Mytilus edulis). Harmful Algae, 2006, 5, 558-564.	4.8	39
90	Committee on Natural Toxins: Phycotoxins. Journal of AOAC INTERNATIONAL, 1999, 82, 773-781.	1.5	37

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91	Liquid chromatography post-column oxidation (PCOX) method for the determination of paralytic shellfish toxins in mussels, clams, oysters, and scallops: collaborative study. Journal of AOAC INTERNATIONAL, 2011, 94, 1154-76.	1.5	37
92	Headspace vapors from cereal grains. Journal of Agricultural and Food Chemistry, 1971, 19, 182-183.	5.2	36
93	Analysis of tetramine in sea snails by capillary electrophoresis-tandem mass spectrometry. Journal of Chromatography A, 1997, 781, 555-564.	3.7	36
94	Analysis of domoic acid in shellfish by thin-layer chromatography. Natural Toxins, 1998, 6, 147-152.	1.0	36
95	Epimers of Azaspiracids: Isolation, Structural Elucidation, Relative LC-MS Response, and in Vitro Toxicity of 37-epi-Azaspiracid-1. Chemical Research in Toxicology, 2014, 27, 587-600.	3.3	36
96	Pseudoalteromonas Bacteria Are Capable of Degrading Paralytic Shellfish Toxins. Applied and Environmental Microbiology, 2009, 75, 6919-6923.	3.1	35
97	Seasonality of Dinophysis spp. and Prorocentrum lima in Black Sea phytoplankton and associated shellfish toxicity. Harmful Algae, 2009, 8, 629-636.	4.8	35
98	Pharmacokinetics and metabolism of diltiazem in healthy males and females following a single oral dose. European Journal of Drug Metabolism and Pharmacokinetics, 1993, 18, 199-206.	1.6	34
99	Investigation of derivatization reagents for the analysis of diarrhetic shellfish poisoning toxins by liquid chromatography with fluorescence detection. Natural Toxins, 1994, 2, 302-311.	1.0	33
100	Isolation of 41a-Homoyessotoxin and the Identification of 9-Methyl-41a-homoyessotoxin and Nor-ring A-yessotoxin from Protoceratium reticulatum. Chemical Research in Toxicology, 2004, 17, 1414-1422.	3.3	32
101	Quantitative determination of the neurotoxin Î²-N-methylamino-l-alanine (BMAA) by capillary electrophoresisâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2017, 409, 1481-1491.	3.7	32
102	A roadmap for hazard monitoring and risk assessment of marine biotoxins on the basis of chemical and biological test systems. ALTEX: Alternatives To Animal Experimentation, 2013, 30, 487-545.	1.5	31
103	High performance liquid chromatographic-mass spectrometric detection of giant fullerenes. Journal of High Resolution Chromatography, 1993, 16, 85-89.	1.4	30
104	Ph2AsCH2CH2PPh2 (arphos) and Ph2PCH2CH2PPh2 (diphos) complexes of Co2(CO)6MCCO2CHMe2 [M = Co(CO)3, (C5Me5)Mo(CO)2]: x-ray crystal structure and NMR fluxionality. Organometallics, 1987, 6, 439-447.	2.3	29
105	Analysis of Î²-N-methylamino-L-alanine (BMAA) in spirulina-containing supplements by liquid chromatography-tandem mass spectrometry. Aquatic Biosystems, 2014, 10, 5.	1.8	29
106	Fit-for-purpose shellfish reference materials for internal and external quality control in the analysis of phycotoxins. Analytical and Bioanalytical Chemistry, 2007, 387, 2463-2474.	3.7	28
107	A mussel tissue certified reference material for multiple phycotoxins. Part 3: homogeneity and stability. Analytical and Bioanalytical Chemistry, 2011, 400, 847-858.	3.7	28
108	Analysis of domoic acid and related compounds by mass spectrometry and gas chromatography/mass spectrometry asN-trifluoroacetyl-O-silyl derivatives. Biological Mass Spectrometry, 1990, 19, 420-427.	0.5	27

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109	Analysis of paralytic shellfish poisoning toxins by automated pre-column oxidation and microcolumn liquid chromatography with fluorescence detection. Journal of Chromatography A, 1993, 644, 321-331.	3.7	27
110	A mussel (Mytilus edulis) tissue certified reference material for the marine biotoxins azaspiracids. Analytical and Bioanalytical Chemistry, 2015, 407, 2985-2996.	3.7	27
111	A comparison of chromatographic and chromatographic/mass spectrometric techniques for the determination of polycyclic aromatic hydrocarbons in marine sediments. Biomedical & Environmental Mass Spectrometry, 1987, 14, 375-381.	1.6	26
112	Charge-transfer ionspray liquid chromatography/mass spectrometry analyses of fullerenes and related compounds from flame-generated materials. Rapid Communications in Mass Spectrometry, 1993, 7, 229-234.	1.5	26
113	Analysis of pyrene metabolites in marine snails by liquid chromatography using fluorescence and mass spectrometry detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2142-2152.	2.3	26
114	Discovery of gymnodimine fatty acid ester metabolites in shellfish using liquid chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2013, 27, 643-653.	1.5	26
115	Hydrophilic interaction liquid chromatography-tandem mass spectrometry for quantitation of paralytic shellfish toxins: validation and application to reference materials. Analytical and Bioanalytical Chemistry, 2017, 409, 5675-5687.	3.7	26
116	Rapid postcolumn methodology for determination of paralytic shellfish toxins in shellfish tissue. Journal of AOAC INTERNATIONAL, 2008, 91, 589-97.	1.5	26
117	Synthesis, characterization, and Ca2+ antagonistic activity of diltiazem metabolites. Journal of Medicinal Chemistry, 1992, 35, 3246-3253.	6.4	25
118	Bioaccumulation and biotransformation of pyrene and 1â€hydroxypyrene by the marine whelk Buccinum undatum. Environmental Toxicology and Chemistry, 2010, 29, 779-788.	4.3	24
119	Determination of erythromycin A by liquid chromatography and electrochemical detection, with application to salmon tissue. Biomedical Applications, 1993, 619, 63-69.	1.7	23
120	Preparation and certification of solutions of perdeuterated polycyclic aromatic compounds intended for use as surrogate internal standards. Fresenius' Journal of Analytical Chemistry, 1994, 350, 109-118.	1.5	23
121	Identification of yessotoxin in mussels from the Caucasian Black Sea Coast of the Russian Federation. Toxicon, 2007, 50, 581-584.	1.6	23
122	Laboratory desalination experiments with some algal toxins. Desalination, 2012, 293, 1-6.	8.2	23
123	A mussel tissue certified reference material for multiple phycotoxins. Part 1: design and preparation. Analytical and Bioanalytical Chemistry, 2011, 400, 821-833.	3.7	22
124	Feasibility study on production of a matrix reference material for cyanobacterial toxins. Analytical and Bioanalytical Chemistry, 2015, 407, 5353-5363.	3.7	22
125	Mass spectrometry of domoic acid, a marine neurotoxin. Biomedical & Environmental Mass Spectrometry, 1989, 18, 373-386.	1.6	21
126	Differential Mobility-Mass Spectrometry Double Spike Isotope Dilution Study of Release of Î²-Methylaminoalanine and Proteinogenic Amino Acids during Biological Sample Hydrolysis. Scientific Reports, 2018, 8, 117.	3.3	21

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127	Improved method for preparation and use of 9-anthryldiazomethane for derivatization of hydroxycarboxylic acids. Journal of Chromatography A, 1998, 807, 229-239.	3.7	20
128	Measurement of paralytic shellfish toxins in molluscan extracts: comparison of the microtitre plate saxiphilin and sodium channel radioreceptor assays with mouse bioassay, HPLC analysis and a commercially available cell culture assay. Food Additives and Contaminants, 2001, 18, 970-980.	2.0	20
129	Paralytic shellfish toxins, including deoxydecarbamoyl-STX, in wild-caught Tasmanian abalone (Haliotis rubra). Toxicon, 2014, 90, 213-225.	1.6	19
130	Injector port reactions in gas chromatography. Journal of Chromatography A, 1975, 105, 297-307.	3.7	18
131	Use of the photoionisation detector in packed-column supercritical fluid chromatography. Journal of Chromatography A, 1988, 445, 239-243.	3.7	18
132	Determination of Polycyclic Aromatic Compounds by High-Performance Liquid Chromatography with Simultaneous Mass Spectrometry and Ultraviolet Diode Array Detection. Journal of Chromatographic Science, 1988, 26, 160-167.	1.4	18
133	Derivatization of azaspiracid biotoxins for analysis by liquid chromatography with fluorescence detection. Journal of Chromatography A, 2011, 1218, 8089-8096.	3.7	18
134	Mass spectra of sterically crowded trialkylsilyl derivatives of nucleosides. Organic Mass Spectrometry, 1980, 15, 207-219.	1.3	17
135	An unusual reaction of A Ï€-complexed lithio-arene: the characterization and structure of Î¼-(2,2'-difluoro-5,5'-dimethylbenzophenone)bis(tricarbonylchromium(0)). Journal of Organometallic Chemistry, 1982, 224, 267-283.	1.8	17
136	A mussel tissue certified reference material for multiple phycotoxins. Part 4: certification. Analytical and Bioanalytical Chemistry, 2017, 409, 95-106.	3.7	17
137	Identification of the photolysis products of nitrofurazone irradiated with laboratory illumination. Canadian Journal of Chemistry, 1987, 65, 1128-1132.	1.1	16
138	Reference materials for domoic acid, a marine neurotoxin. Fresenius' Journal of Analytical Chemistry, 1990, 338, 520-525.	1.5	16
139	Further Studies on the Analysis of DSP Toxin Profiles in Galician Mussels. Journal of Agricultural and Food Chemistry, 1999, 47, 618-621.	5.2	15
140	Sensitive determination of domoic acid in mussel tissue using dansyl chloride derivatization and liquid chromatography-mass spectrometry. Analytical Methods, 2015, 7, 1000-1007.	2.7	15
141	Development of Certified Reference Materials for Diarrhetic Shellfish Poisoning Toxins, Part 1: Calibration Solutions. Journal of AOAC INTERNATIONAL, 2016, 99, 1151-1162.	1.5	15
142	Tert-Butyldiphenylsilyl Derivatization for Liquid Chromatography and Mass Spectrometry. Journal of Liquid Chromatography and Related Technologies, 1985, 8, 449-461.	1.0	14
143	The structures of three metabolites of the algal hepatotoxin okadaic acid produced by oxidation with human cytochrome P450. Bioorganic and Medicinal Chemistry, 2012, 20, 3742-3745.	3.0	13
144	Application of activated carbon to accelerate detoxification of paralytic shellfish toxins from mussels Mytilus galloprovincialis and scallops Chlamys farreri. Ecotoxicology and Environmental Safety, 2018, 148, 402-409.	6.0	13

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145	Fluoride ion catalyzed alkylation of purines, pyrimidines, nucleosides and nucleotides using alkyl halides. Nucleic Acids Research, 1979, 6, 1695-1708.	14.5	12
146	Development of Certified Reference Materials for Diarrhetic Shellfish Poisoning Toxins, Part 2: Shellfish Matrix Materials. Journal of AOAC INTERNATIONAL, 2016, 99, 1163-1172.	1.5	12
147	Isolation and Characterization of [D-Leu1]microcystin-LY from Microcystis aeruginosa CPCC-464. Toxins, 2020, 12, 77.	3.4	12
148	Chapter 10. Liquid Chromatography-Mass Spectrometry of Seafood Toxins. Journal of Chromatography Library, 1996, 59, 415-444.	0.1	11
149	Phycotoxins. Journal of AOAC INTERNATIONAL, 1998, 81, 142-151.	1.5	11
150	Paralytic shellfish toxins â€“ Call for uniform reporting units. Toxicon, 2020, 178, 59-60.	1.6	11
151	LCâ€“ESI-Q-TOF-MS for faster and accurate determination of microcystins and nodularins in serum. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2433-2441.	2.3	10
152	Analysis of Natural Toxins by Liquid Chromatography-Chemiluminescence Nitrogen Detection and Application to the Preparation of Certified Reference Materials. Journal of AOAC INTERNATIONAL, 2016, 99, 1173-1184.	1.5	10
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