Luis M. Botana

List of Publications by Year
in descending order

388 papers	16,468 citations	41258 49 h-index	24915 109 g-index
418 all docs	418 docs citations	418 times ranked	21237 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	4.3	1,430
3	KIT mutation in mast cells and other bone marrow hematopoietic cell lineages in systemic mast cell disorders: a prospective study of the Spanish Network on Mastocytosis (REMA) in a series of 113 patients. Blood, 2006, 108, 2366-2372.	0.6	447
4	First Toxicity Report of Tetrodotoxin and 5,6,11-TrideoxyTTX in the Trumpet Shell Charonia lampas lampas in Europe. Analytical Chemistry, 2008, 80, 5622-5629.	3.2	141
5	From Marine Origin to Therapeutics: The Antitumor Potential of Marine Algae-Derived Compounds. Frontiers in Pharmacology, 2018, 9, 777.	1.6	138
6	First Detection of Tetrodotoxin in Greek Shellfish by UPLC-MS/MS Potentially Linked to the Presence of the Dinoflagellate Prorocentrum minimum. Toxins, 2015, 7, 1779-1807.	1.5	131
7	First Toxin Profile of Ciguateric Fish in Madeira Arquipelago (Europe). Analytical Chemistry, 2010, 82, 6032-6039.	3.2	121
8	An overview of the effective combination therapies for the treatment of breast cancer. Biomaterials, 2016, 97, 34-50.	5.7	117
9	Modulation of cytosolic calcium levels of human lymphocytes by yessotoxin, a novel marine phycotoxinâ˜†. Biochemical Pharmacology, 2001, 61, 827-833.	2.0	109
10	Yessotoxin, a novel phycotoxin, activates phosphodiesterase activity. Biochemical Pharmacology, 2003, 65, 193-208.	2.0	109
11	Human Poisoning from Marine Toxins: Unknowns for Optimal Consumer Protection. Toxins, 2018, 10, 324.	1.5	104
12	Paralytic Shellfish Poisoning Detection by Surface Plasmon Resonance-Based Biosensors in Shellfish Matrixes. Analytical Chemistry, 2007, 79, 6303-6311.	3.2	98
13	A Fluorescent Microplate Assay for Diarrheic Shellfish Toxins. Analytical Biochemistry, 1997, 248, 258-264.	1.1	97
14	Sustainable production of biologically active molecules of marine based origin. New Biotechnology, 2013, 30, 839-850.	2.4	92
15	New Gastropod Vectors and Tetrodotoxin Potential Expansion in Temperate Waters of the Atlantic Ocean. Marine Drugs, 2012, 10, 712-726.	2.2	90
16	First evidence of spirolides in Spanish shellfish. Toxicon, 2006, 48, 1068-1074.	0.8	81
17	Modified mass action law-based model to correlate the solubility of solids and liquids in entrained supercritical carbon dioxide. Journal of Chromatography A, 2001, 910, 119-125.	1.8	80
18	Development of a novel immunobiosensor method for the rapid detection of okadaic acid contamination in shellfish extracts. Analytical and Bioanalytical Chemistry, 2007, 389, 581-587.	1.9	77

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19	Characterization of distinct apoptotic changes induced by okadaic acid and yessotoxin in the BE(2)-M17 neuroblastoma cell line. Toxicology in Vitro, 2002, 16, 23-31.	1.1	75
20	Actin cytoskeleton of rabbit intestinal cells is a target for potent marine phycotoxins. Journal of Experimental Biology, 2005, 208, 4345-4354.	0.8	75
21	Liquid chromatographyâ€“mass spectrometry method to detect Tetrodotoxin and Its analogues in the puffer fish Lagocephalus sceleratus (Gmelin, 1789) from European waters. Food Chemistry, 2012, 132, 1103-1111.	4.2	75
22	Characterization of F-actin depolymerization as a major toxic event induced by pectenotoxin-6 in neuroblastoma cells. Biochemical Pharmacology, 2002, 63, 1979-1988.	2.0	74
23	Marine toxins and the cytoskeleton: okadaic acid and dinophysistoxins. FEBS Journal, 2008, 275, 6060-6066.	2.2	74
24	Azaspiracid-1, a potent, nonapoptotic new phycotoxin with several cell targets. Cellular Signalling, 2002, 14, 703-716.	1.7	72
25	Yessotoxin induces ER-stress followed by autophagic cell death in glioma cells mediated by mTOR and BNIP3. Cellular Signalling, 2014, 26, 419-432.	1.7	72
26	Role of Temperature and Pressure on the Multisensitive Multiferroic Dicyanamide Framework [TPrA][Mn(dca)₃] with Perovskite-like Structure. Inorganic Chemistry, 2015, 54, 11680-11687.	1.9	70
27	Detection of Gymnodimine-A and 13-Desmethyl C Spirolide Phycotoxins by Fluorescence Polarization. Analytical Chemistry, 2009, 81, 2708-2714.	3.2	68
28	In Vitro and in Vivo Evaluation of Paralytic Shellfish Poisoning Toxin Potency and the Influence of the pH of Extraction. Analytical Chemistry, 2008, 80, 1770-1776.	3.2	67
29	Single Laboratory Validation of a Surface Plasmon Resonance Biosensor Screening method for Paralytic Shellfish Poisoning Toxins. Analytical Chemistry, 2010, 82, 2977-2988.	3.2	67
30	Functional compartments in rat mast cells for cAMP and calcium on histamine release. Cellular Signalling, 2000, 12, 343-350.	1.7	64
31	Risks for public health related to the presence of tetrodotoxin (TTX) and TTX analogues in marine bivalves and gastropods. EFSA Journal, 2017, 15, e04752.	0.9	64
32	A European perspective on progress in moving away from the mouse bioassay for marine-toxin analysis. TrAC - Trends in Analytical Chemistry, 2011, 30, 239-253.	5.8	63
33	Design and Synthesis of Skeletal Analogues of Gambierol: Attenuation of Amyloid-Î² and Tau Pathology with Voltage-Gated Potassium Channel and N-Methyl-<scp>d</scp>-aspartate Receptor Implications. Journal of the American Chemical Society, 2012, 134, 7467-7479.	6.6	62
34	Redefining dilute and shoot: The evolution of the technique and its application in the analysis of foods and biological matrices by liquid chromatography mass spectrometry. TrAC - Trends in Analytical Chemistry, 2021, 141, 116284.	5.8	61
35	Gambierone, a Ladder-Shaped Polyether from the Dinoflagellate Gambierdiscus belizeanus. Organic Letters, 2015, 17, 2392-2395.	2.4	60
36	Solid-Phase Radioreceptor Assay for Paralytic Shellfish Toxins. Analytical Biochemistry, 1993, 211, 87-93.	1.1	59

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37	Effects of Azaspiracid-1, A Potent Cytotoxic Agent, on Primary Neuronal Cultures. A Structureâ"Activity Relationship Study. Journal of Medicinal Chemistry, 2007, 50, 356-363.	2.9	58
38	Toxicological Perspective on Climate Change: Aquatic Toxins. Chemical Research in Toxicology, 2016, 29, 619-625.	1.7	58
39	Marine invasive macroalgae: Turning a real threat into a major opportunity - the biotechnological potential of Sargassum muticum and Asparagopsis armata. Algal Research, 2018, 34, 217-234.	2.4	58
40	A QuEChERS based extraction procedure coupled to UPLC-MS/MS detection for mycotoxins analysis in beer. Food Chemistry, 2019, 275, 703-710.	4.2	58
41	Cell Growth Inhibition and Actin Cytoskeleton Disorganization Induced by Azaspiracid-1 Structureâ"Activity Studies. Chemical Research in Toxicology, 2006, 19, 1459-1466.	1.7	57
42	Cytoskeletal disruption is the key factor that triggers apoptosis in okadaic acid-treated neuroblastoma cells. Archives of Toxicology, 2004, 78, 74-85.	1.9	56
43	Azaspiracid-4 inhibits Ca2+ entry by stored operated channels in human T lymphocytes. Biochemical Pharmacology, 2005, 69, 1627-1636.	2.0	55
44	Gracilins: Spongionella-derived promising compounds for Alzheimer disease. Neuropharmacology, 2015, 93, 285-293.	2.0	54
45	A Fluorescent Microplate Assay for Microcystin-LR. Analytical Biochemistry, 1999, 269, 289-296.	1.1	53
46	13-Desmethyl spirolide-C is neuroprotective and reduces intracellular AÎ² and hyperphosphorylated tau in vitro. Neurochemistry International, 2011, 59, 1056-1065.	1.9	52
47	Protein Synthesis Inhibition and Oxidative Stress Induced by Cylindrospermopsin Elicit Apoptosis in Primary Rat Hepatocytes. Chemical Research in Toxicology, 2013, 26, 203-212.	1.7	52
48	â€œFluorescent glycogenâ€•formation with sensibility for in vivo and in vitro detection. Glycoconjugate Journal, 2008, 25, 503-510.	1.4	51
49	First Report of Ciguatoxins in Two Starfish Species: Ophidiaster ophidianus and Marthasterias glacialis. Toxins, 2015, 7, 3740-3757.	1.5	51
50	Development of a F actin-based live-cell fluorimetric microplate assay for diarrhetic shellfish toxins. Analytical Biochemistry, 2003, 317, 129-135.	1.1	50
51	Derivation of toxicity equivalency factors for marine biotoxins associated with Bivalve Molluscs. Trends in Food Science and Technology, 2017, 59, 15-24.	7.8	50
52	Study of cytoskeletal changes induced by okadaic acid in BE(2)-M17 cells by means of a quantitative fluorimetric microplate assay. Toxicology in Vitro, 2001, 15, 277-282.	1.1	49
53	A Fluorimetric Method Based on Changes in Membrane Potential for Screening Paralytic Shellfish Toxins in Mussels. Analytical Biochemistry, 2001, 289, 246-250.	1.1	49
54	Specific and dynamic detection of palytoxins by in vitro microplate assay with human neuroblastoma cells. Bioscience Reports, 2009, 29, 13-23.	1.1	49

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55	A Fluorimetric Microplate Assay for Detection and Quantitation of Toxins Causing Paralytic Shellfish Poisoning. Chemical Research in Toxicology, 2003, 16, 433-438.	1.7	48
56	Detection of Sodium Channel Activators by a Rapid Fluorimetric Microplate Assay. Chemical Research in Toxicology, 2004, 17, 572-578.	1.7	48
57	Maitotoxin-induced calcium entry in human lymphocytes. Cellular Signalling, 2001, 13, 711-716.	1.7	47
58	Biological methods for marine toxin detection. Analytical and Bioanalytical Chemistry, 2010, 397, 1673-1681.	1.9	47
59	Additional bioactive guanidine alkaloids from the Mediterranean sponge Crambe crambe. RSC Advances, 2012, 2, 2828.	1.7	47
60	Multidetection of Paralytic, Diarrheic, and Amnesic Shellfish Toxins by an Inhibition Immunoassay Using a Microsphere-Flow Cytometry System. Analytical Chemistry, 2013, 85, 7794-7802.	3.2	47
61	Effects of Azaspiracids 2 and 3 on Intracellular cAMP, [Ca2+], and pH. Chemical Research in Toxicology, 2004, 17, 1338-1349.	1.7	46
62	Surface Plasmon Resonance Biosensor Screening Method for Paralytic Shellfish Poisoning Toxins: A Pilot Interlaboratory Study. Analytical Chemistry, 2011, 83, 4206-4213.	3.2	46
63	Benefit of 13-desmethyl Spirolide C Treatment in Triple Transgenic Mouse Model of Alzheimer Disease: Beta-Amyloid and Neuronal Markers Improvement. Current Alzheimer Research, 2013, 10, 279-289.	0.7	46
64	Resonant mirror biosensor detection method based on yessotoxinâ€“phosphodiesterase interactions. Analytical Biochemistry, 2004, 335, 112-118.	1.1	45
65	The Sodium Channel of Human Excitable Cells is a Target for Gambierol. Cellular Physiology and Biochemistry, 2006, 17, 257-268.	1.1	45
66	The Cholinergic Antagonist Gymnodimine Improves AÎ² and Tau Neuropathology in an <i>in Vitro</i> Model of Alzheimer Disease. Cellular Physiology and Biochemistry, 2011, 27, 783-794.	1.1	45
67	Simplified immunosuppressive and neuroprotective agents based on gracilin A. Nature Chemistry, 2019, 11, 342-350.	6.6	45
68	Lipophilic toxin profile in Galicia (Spain): 2005 toxic episode. Toxicon, 2007, 49, 1129-1134.	0.8	44
69	Influence of the sample toxic profile on the suitability of a high performance liquid chromatography method for official paralytic shellfish toxins control. Journal of Chromatography A, 2007, 1140, 78-87.	1.8	44
70	Improving zebrafish embryo xenotransplantation conditions by increasing incubation temperature and establishing a proliferation index with ZFtool. BMC Cancer, 2018, 18, 3.	1.1	44
71	Acute Oral Toxicity of Tetrodotoxin in Mice: Determination of Lethal Dose 50 (LD50) and No Observed Adverse Effect Level (NOAEL). Toxins, 2017, 9, 75.	1.5	43
72	Fluorescent microplate cell assay to measure uptake and metabolism of glucose in normal human lung fibroblasts. Toxicology in Vitro, 2002, 16, 267-273.	1.1	42

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73	The problem of toxicity equivalent factors in developing alternative methods to animal bioassays for marine-toxin detection. TrAC - Trends in Analytical Chemistry, 2010, 29, 1316-1325.	5.8	42
74	The methyl ester of okadaic acid is more potent than okadaic acid in disrupting the actin cytoskeleton and metabolism of primary cultured hepatocytes. British Journal of Pharmacology, 2010, 159, 337-344.	2.7	42
75	Human Muscarinic Acetylcholine Receptors Are a Target of the Marine Toxin 13-Desmethyl C Spirolide. Chemical Research in Toxicology, 2010, 23, 1753-1761.	1.7	42
76	Pharmacokinetic and toxicological data of spirolides after oral and intraperitoneal administration. Food and Chemical Toxicology, 2012, 50, 232-237.	1.8	42
77	The association of bacterial C9-based TTX-like compounds with Prorocentrum minimum opens new uncertainties about shellfish seafood safety. Scientific Reports, 2017, 7, 40880.	1.6	42
78	Lactone Ring of Pectenotoxins: a Key Factor for their Activity on Cytoskeletal Dynamics. Cellular Physiology and Biochemistry, 2007, 19, 283-292.	1.1	41
79	A single run UPLC-MS/MS method for detection of all EU-regulated marine toxins. Talanta, 2018, 189, 622-628.	2.9	41
80	Multianalyte method for the determination of regulated, emerging and modified mycotoxins in milk: QuEChERS extraction followed by UHPLCâ€“MS/MS analysis. Food Chemistry, 2021, 356, 129647.	4.2	40
81	Quantification of yessotoxin using the fluorescence polarization technique and study of the adequate extraction procedure. Analytical Biochemistry, 2005, 344, 266-274.	1.1	39
82	Kinetic Analysis of the Interaction between Yessotoxin and Analogues and Immobilized Phosphodiesterases Using a Resonant Mirror Optical Biosensor. Chemical Research in Toxicology, 2005, 18, 1155-1160.	1.7	39
83	Use of Biosensors as Alternatives to Current Regulatory Methods for Marine Biotoxins. Sensors, 2009, 9, 9414-9443.	2.1	39
84	Feasibility of gymnodimine and 13-desmethyl C spirolide detection by fluorescence polarization using a receptor-based assay in shellfish matrixes. Analytica Chimica Acta, 2010, 657, 75-82.	2.6	39
85	Decrease of marine toxin content in bivalves by industrial processes. Toxicon, 2010, 55, 235-243.	0.8	39
86	Innovative detection methods for aquatic algal toxins and their presence in the food chain. Analytical and Bioanalytical Chemistry, 2013, 405, 7719-7732.	1.9	39
87	Structure Elucidation and Biological Evaluation of Maitotoxin-3, a Homologue of Gambierone, from Gambierdiscus belizeanus. Toxins, 2019, 11, 79.	1.5	39
88	Irreversible cytoskeletal disarrangement is independent of caspase activation during in vitro azaspiracid toxicity in human neuroblastoma cells. Biochemical Pharmacology, 2007, 74, 327-335.	2.0	38
89	Functional assays for marine toxins as an alternative, high-throughput-screening solution to animal tests. TrAC - Trends in Analytical Chemistry, 2009, 28, 603-611.	5.8	38
90	Differential Effects of Crambescins and Crambescidin 816 in Voltage-Gated Sodium, Potassium and Calcium Channels in Neurons. Chemical Research in Toxicology, 2013, 26, 169-178.	1.7	38

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91	Calcium-pH crosstalks in rat mast cells: cytosolic alkalinization, but not intracellular calcium release, is a sufficient signal for degranulation. British Journal of Pharmacology, 2000, 130, 1809-1816.	2.7	37
92	Effects of environmental regimens on the toxin profile of Alexandrium ostenfeldii. Environmental Toxicology and Chemistry, 2010, 29, 301-310.	2.2	37
93	Anion controlled structural and magnetic diversity in unusual mixed-bridged polynuclear Ni^{II} complexes with a versatile bis(2-methoxy phenol)diamine hexadentate ligand. An experimental and theoretical magneto-structural study. Dalton Transactions, 2014, 43, 13509-13524.	1.6	37
94	Evaluation of toxicity equivalent factors of paralytic shellfish poisoning toxins in seven human sodium channels types by an automated high throughput electrophysiology system. Archives of Toxicology, 2016, 90, 479-488.	1.9	37
95	Apoptotic events induced by the phosphatase inhibitor okadaic acid in normal human lung fibroblasts. Toxicology in Vitro, 2001, 15, 199-208.	1.1	36
96	Azaspiracids modulate intracellular pH levels in human lymphocytes. Biochemical and Biophysical Research Communications, 2006, 346, 1091-1099.	1.0	36
97	Modulation of calcium entry and glutamate release in cultured cerebellar granule cells by palytoxin. Journal of Neuroscience Research, 2006, 83, 1393-1406.	1.3	36
98	Profile for Amyloid-Î² and Tau Expression in Primary Cortical Cultures from 3xTg-AD Mice. Cellular and Molecular Neurobiology, 2010, 30, 577-590.	1.7	36
99	Effect of Uncontrolled Factors in a Validated Liquid Chromatographyâ€“Tandem Mass Spectrometry Method Question Its Use As a Reference Method for Marine Toxins: Major Causes for Concern. Analytical Chemistry, 2011, 83, 5903-5911.	3.2	36
100	Palytoxins and cytoskeleton: An overview. Toxicon, 2011, 57, 460-469.	0.8	36
101	Development of a Solid-Phase Receptor-Based Assay for the Detection of Cyclic Imines Using a Microsphere-Flow Cytometry System. Analytical Chemistry, 2013, 85, 2340-2347.	3.2	36
102	Spongionella Secondary Metabolites Protect Mitochondrial Function in Cortical Neurons against Oxidative Stress. Marine Drugs, 2014, 12, 700-718.	2.2	36
103	Yessotoxin, a Promising Therapeutic Tool. Marine Drugs, 2016, 14, 30.	2.2	36
104	Effect of ion composition on the changes in membrane potential induced with several stimuli in rat mast cells. Journal of Cellular Physiology, 1994, 158, 309-316.	2.0	35
105	Detection of Paralytic Shellfish Toxins by a Solid-Phase Inhibition Immunoassay Using a Microsphere-Flow Cytometry System. Analytical Chemistry, 2012, 84, 4350-4356.	3.2	35
106	Diarrhetic effect of okadaic acid could be related with its neuronal action: Changes in neuropeptide Y. Toxicology Letters, 2015, 237, 151-160.	0.4	35
107	Coupling the Torpedo Microplate-Receptor Binding Assay with Mass Spectrometry to Detect Cyclic Imine Neurotoxins. Analytical Chemistry, 2012, 84, 10445-10453.	3.2	34
108	Marine guanidine alkaloids crambescidins inhibit tumor growth and activate intrinsic apoptotic signaling inducing tumor regression in a colorectal carcinoma zebrafish xenograft model. Oncotarget, 2016, 7, 83071-83087.	0.8	34

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109	Study of the Interaction between Different Phosphodiesterases and Yessotoxin Using a Resonant Mirror Biosensor. Chemical Research in Toxicology, 2006, 19, 794-800.	1.7	33
110	Comparative analysis of pre- and post-column oxidation methods for detection of paralytic shellfish toxins. Toxicon, 2010, 56, 448-457.	0.8	33
111	Oral Toxicity of Okadaic Acid in Mice: Study of Lethality, Organ Damage, Distribution and Effects on Detoxifying Gene Expression. Toxins, 2013, 5, 2093-2108.	1.5	33
112	Emergent Toxins in North Atlantic Temperate Waters: A Challenge for Monitoring Programs and Legislation. Toxins, 2015, 7, 859-885.	1.5	33
113	(â€")-Epigallocatechin-3-gallate interferes with mast cell adhesiveness, migration and its potential to recruit monocytes. Cellular and Molecular Life Sciences, 2007, 64, 2690-2701.	2.4	32
114	Feasibility of using a surface plasmon resonance-based biosensor to detect and quantify yessotoxin. Analytica Chimica Acta, 2008, 617, 167-170.	2.6	32
115	Influence of the anions on the structure and magnetic properties of a series of bis(Î¼-diphenoxo)-bridged linear trinuclear copper(II) complexes: an experimental and theoretical study. Dalton Transactions, 2011, 40, 12462.	1.6	32
116	First direct fluorescence polarization assay for the detection and quantification of spirolides in mussel samples. Analytica Chimica Acta, 2011, 701, 200-208.	2.6	32
117	Experimental Basis for the High Oral Toxicity of Dinophysistoxin 1: A Comparative Study of DSP. Toxins, 2014, 6, 211-228.	1.5	32
118	Liquid Chromatography with a Fluorimetric Detection Method for Analysis of Paralytic Shellfish Toxins and Tetrodotoxin Based on a Porous Graphitic Carbon Column. Toxins, 2016, 8, 196.	1.5	32
119	Detoxification agents based on magnetic nanostructured particles as a novel strategy for mycotoxin mitigation in food. Food Chemistry, 2019, 294, 60-66.	4.2	32
120	Determination of Toxicity Equivalent Factors for Paralytic Shellfish Toxins by Electrophysiological Measurements in Cultured Neurons. Chemical Research in Toxicology, 2011, 24, 1153-1157.	1.7	31
121	A Comparative Study of the Effect of Ciguatoxins on Voltage-Dependent Na⁺ and K⁺ Channels in Cerebellar Neurons. Chemical Research in Toxicology, 2011, 24, 587-596.	1.7	31
122	New Invertebrate Vectors for PST, Spirolides and Okadaic Acid in the North Atlantic. Marine Drugs, 2013, 11, 1936-1960.	2.2	31
123	Mitigation of ROS Insults by Streptomyces Secondary Metabolites in Primary Cortical Neurons. ACS Chemical Neuroscience, 2014, 5, 71-80.	1.7	31
124	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.	0.9	31
125	Effect of Okadaic Acid on Glucose Regulation. Mini-Reviews in Medicinal Chemistry, 2005, 5, 207-215.	1.1	31
126	A rapid microplate fluorescence method to detect yessotoxins based on their capacity to activate phosphodiesterases. Analytical Biochemistry, 2004, 326, 93-99.	1.1	30

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127	The c-Jun-N-Terminal Kinase is Involved in the Neurotoxic Effect of Azaspiracid-1. Cellular Physiology and Biochemistry, 2007, 20, 957-966.	1.1	30
128	Detection of 13,19-didesmethyl C spirolide by fluorescence polarization using Torpedo electrocyte membranes. Analytical Biochemistry, 2010, 403, 102-107.	1.1	30
129	Cell Volume Decrease as a Link between Azaspiracid-Induced Cytotoxicity and c-Jun-N-Terminal Kinase Activation in Cultured Neurons. Toxicological Sciences, 2010, 113, 158-168.	1.4	30
130	Toxic Action Reevaluation of Okadaic Acid, Dinophysistoxin-1 and Dinophysistoxin-2: Toxicity Equivalency Factors Based on the Oral Toxicity Study. Cellular Physiology and Biochemistry, 2018, 49, 743-757.	1.1	30
131	Mechanism of cytotoxic action of crambescidinâ€816 on human liverâ€derived tumour cells. British Journal of Pharmacology, 2014, 171, 1655-1667.	2.7	29
132	Differential Effects of Ciguatoxin and Maitotoxin in Primary Cultures of Cortical Neurons. Chemical Research in Toxicology, 2014, 27, 1387-1400.	1.7	29
133	Acute Cardiotoxicity Evaluation of the Marine Biotoxins OA, DTX-1 and YTX. Toxins, 2015, 7, 1030-1047.	1.5	29
134	Inter-laboratory validation of the fluorescent protein phosphatase inhibition assay to determine diarrhetic shellfish toxins: intercomparison with liquid chromatography and mouse bioassay. Analytica Chimica Acta, 2002, 466, 233-246.	2.6	28
135	Effects of the marine phycotoxin palytoxin on neuronal pH in primary cultures of cerebellar granule cells. Journal of Neuroscience Research, 2007, 85, 90-98.	1.3	28
136	Evaluation of Various pH and Temperature Conditions on the Stability of Azaspiracids and Their Importance in Preparative Isolation and Toxicological Studies. Analytical Chemistry, 2008, 80, 9672-9680.	3.2	28
137	Crambescidin-816 Acts as a Fungicidal with More Potency than Crambescidin-800 and -830, Inducing Cell Cycle Arrest, Increased Cell Size and Apoptosis in Saccharomyces cerevisiae. Marine Drugs, 2013, 11, 4419-4434.	2.2	28
138	The Streptomyces metabolite anhydroexfoliamycin ameliorates hallmarks of Alzheimerâ€™s disease in vitro and in vivo. Neuroscience, 2015, 305, 26-35.	1.1	28
139	LCâ€“MS/MS Analysis of the Emerging Toxin Pinnatoxin-G and High Levels of Esterified OA Group Toxins in Galician Commercial Mussels. Toxins, 2019, 11, 394.	1.5	28
140	Caniferolide A, a Macrolide from Streptomyces caniferus, Attenuates Neuroinflammation, Oxidative Stress, Amyloid-Beta, and Tau Pathology in Vitro. Molecular Pharmaceutics, 2019, 16, 1456-1466.	2.3	28
141	Cytoskeletal toxicity of pectenotoxins in hepatic cells. British Journal of Pharmacology, 2008, 155, 934-944.	2.7	27
142	Ligand-binding assays for cyanobacterial neurotoxins targeting cholinergic receptors. Analytical and Bioanalytical Chemistry, 2010, 397, 1695-1704.	1.9	27
143	Translocation of PKC by Yessotoxin in an in Vitro Model of Alzheimerâ€™s Disease with Improvement of Tau and Î²-Amyloid Pathology. ACS Chemical Neuroscience, 2013, 4, 1062-1070.	1.7	27
144	Detection of Anatoxin-a and Three Analogs in Anabaena spp. Cultures: New Fluorescence Polarization Assay and Toxin Profile by LC-MS/MS. Toxins, 2014, 6, 402-415.	1.5	27

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145	Structures and Activities of Tiahuramides Aâ€“C, Cyclic Depsipeptides from a Tahitian Collection of the Marine Cyanobacterium Lyngbya majuscula. Journal of Natural Products, 2018, 81, 1301-1310.	1.5	27
146	The cytoskeleton, a structure that is susceptible to the toxic mechanism activated by palytoxins in human excitable cells. FEBS Journal, 2007, 274, 1991-2004.	2.2	26
147	Effect of Gambierol and Its Tetracyclic and Heptacyclic Analogues in Cultured Cerebellar Neurons: A Structureâ€“Activity Relationships Study. Chemical Research in Toxicology, 2012, 25, 1929-1937.	1.7	26
148	Hapalindoles from the Cyanobacterium Fischerella: Potential Sodium Channel Modulators. Chemical Research in Toxicology, 2014, 27, 1696-1706.	1.7	26
149	Rapid analysis of paralytic shellfish toxins and tetrodotoxins by liquid chromatography-tandem mass spectrometry using a porous graphitic carbon column. Food Chemistry, 2018, 269, 166-172.	4.2	26
150	Effect of okadaic acid on immunologic and non-immunologic histamine release in rat mast cells. Biochemical Pharmacology, 1994, 47, 591-593.	2.0	25
151	Cytotoxic effect of palytoxin on mussel. Toxicon, 2010, 56, 842-847.	0.8	25
152	In vivo arrhythmogenicity of the marine biotoxin azaspiracid-2 in rats. Archives of Toxicology, 2014, 88, 425-434.	1.9	25
153	Multi-detection method for five common microalgal toxins based on the use of microspheres coupled to a flow-cytometry system. Analytica Chimica Acta, 2014, 850, 57-64.	2.6	25
154	Analytical challenges for regulated marine toxins. Detection methods. Current Opinion in Food Science, 2017, 18, 29-36.	4.1	25
155	Purification of five azaspiracids from mussel samples contaminated with DSP toxins and azaspiracids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 865, 133-140.	1.2	24
156	Solid-Phase Receptor-Based Assay for the Detection of Cyclic Imines by Chemiluminescence, Fluorescence, or Colorimetry. Analytical Chemistry, 2011, 83, 5857-5863.	3.2	24
157	Influence of protein kinase C, cAMP and phosphatase activity on histamine release produced by compound 48/80 and sodium fluoride on rat mast cells. Agents and Actions, 1992, 37, 1-7.	0.7	23
158	Studies of the intracellular Ca2+ levels in human adult skin mast cells activated by the ligand for the human c-kit receptor and anti-IgE. Biochemical Pharmacology, 1994, 47, 2137-2145.	2.0	23
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