Inhibition of protein phosphatases by microcystis and n hepatotoxicity

Journal of Cancer Research and Clinical Oncology

116, 609-614

DOI: 10.1007/bf01637082

Citation Report

#	Article	IF	Citations
1	Microcystins from Anabaena flos-aquae NRC 525-17. Chemical Research in Toxicology, 1991, 4, 535-540.	1.7	117
2	Vimentin is hyperphosphorylated in primary human fibroblasts treated with okadaic acid. Biochemical and Biophysical Research Communications, 1991, 177, 1165-1170.	1.0	65
3	Rapid purification of protein phosphatase 2A from mouse brain by microcystin-affinity chromatography. FEBS Letters, 1991, 279, 115-118.	1.3	26
4	Binding competition of okadaic acid derivatives to anti-okadaic acid antibody. Toxicon, 1991, 29, 1409-1412.	0.8	3
5	Effects of okadaic acid on agonist-stimulated PGI2 production by rat liver cells (the C-9 cell line). Prostaglandins, 1991, 41, 615-624.	1.2	3
6	Structure-Function Relationships of Microcystins, Liver Tumor Promoters, in Interaction with Protein Phosphatase. Japanese Journal of Cancer Research, 1991, 82, 993-996.	1.7	119
7	An alternative theory of tissue specificity by tumor promotion of okadaic acid in glandular stomach of SD rats. Carcinogenesis, 1992, 13, 1841-1845.	1.3	61
8	Structures of three new homotyrosine-containing microcystins and a new homophenylalanine variant from Anabaena sp. strain 66. Chemical Research in Toxicology, 1992, 5, 661-666.	1.7	62
9	A Method for Micro-Determination of Total Microcystin Content in Waterblooms of Cyanobacteria (Blue-Green Algae). International Journal of Environmental Analytical Chemistry, 1992, 49, 163-170.	1.8	97
10	Protein phosphatases modulate the apparent agonist affinity of the light-regulated ion channel in retinal rods. Neuron, 1992, 9, 739-748.	3.8	177
11	Three new microcystins, cyclic heptapeptide hepatotoxins, from Nostoc sp. strain 152. Chemical Research in Toxicology, 1992, 5, 464-469.	1.7	128
12	Structurally different members of the okadaic acid class selectively inhibit protein serine/threonine but not tyrosine phosphatase activity. Toxicon, 1992, 30, 873-878.	0.8	101
13	Separation and identification of microcystins in cyanobacteria by frit-fast atom bombardment liquid chromatography/mass spectrometry. Toxicon, 1992, 30, 227-237.	0.8	61
14	The role of arginine in interactions of microcystins with protein phosphatases 1 and 2a. Bioorganic and Medicinal Chemistry Letters, 1992, 2, 673-676.	1.0	8
15	An alternative computer model of the 3-dimensional structural of microcystin-LR and nodularin rationalising their interactions with protein phosphatases 1 and 2A. Bioorganic and Medicinal Chemistry Letters, 1992, 2, 299-302.	1.0	16
16	Microcystin-la from a blue-green alga belonging to the stigonematales. Phytochemistry, 1992, 31, 1247-1248.	1.4	55
17	Cytoskeletal changes in hepatocytes induced by Microcystis toxins and their relation to hyperphosphorylation of cell proteins. Chemico-Biological Interactions, 1992, 81, 181-196.	1.7	204
18	Liver tumor promotion by the cyanobacterial cyclic peptide toxin microcystin-LR. Journal of Cancer Research and Clinical Oncology, 1992, 118, 420-424.	1.2	766

#	Article	IF	Citations
19	FATE OF THE TOXIC CYCLIC HEPTAPEPTIDES, THE MICROCYSTINS, FROM BLOOMS OF MICROCYSTIS (CYANOBACTERIA) IN A HYPERTROPHIC LAKE1. Journal of Phycology, 1992, 28, 761-767.	1.0	120
20	Cyanobacteria secondary metabolitesâ€"the cyanotoxins. Journal of Applied Bacteriology, 1992, 72, 445-459.	1.1	1,229
21	Is the inhibition of protein phosphatase 1 and 2A activities a general mechanism of tumor promotion in human cancer development?. Molecular Carcinogenesis, 1992, 5, 91-94.	1.3	50
22	Hepatotoxin (microcystin) and neurotoxin (anatoxin-a) contained in natural blooms and strains of cyanobacteria from Japanese freshwaters. Natural Toxins, 1993, 1, 353-360.	1.0	120
23	Isolation of linear peptides related to the hepatotoxins nodularin and microcystins. Tetrahedron Letters, 1993, 34, 7881-7884.	0.7	52
24	Analysis of microcystins from cyanobacteria by liquid chromatography with mass spectrometry using atmospheric-pressure ionization. Rapid Communications in Mass Spectrometry, 1993, 7, 714-721.	0.7	62
25	The conserved acid binding domain model of inhibitors of protein phosphatases 1 and 2A: Molecular modelling aspects.. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 1029-1034.	1.0	38
26	A unified bioscreen for the detection of diarrhetic shellfish toxins and microcystins in marine and freshwater environments. Toxicon, 1993, 31, 1393-1405.	0.8	50
27	Identification of protein phosphatase inhibitors of the microcystin class in the marine environment. Toxicon, 1993, 31, 1407-1414.	0.8	69
28	Identification and characterization of hydrophobic microcystins in Canadian freshwater cyanobacteria. Toxicon, 1993, 31, 1541-1549.	0.8	75
29	Quantification of diarrhetic shellfish toxins and identification of novel protein phosphatase inhibitors in marine phytoplankton and mussels. Toxicon, 1993, 31, 75-83.	0.8	47
30	Identification and characterisation of a type-1 protein phosphatase from the okadaic acid-producing marine dinoflagellateProrocentrum lima. FEBS Letters, 1993, 334, 13-17.	1.3	23
31	Chemical characterization and toxicity of dihydro derivatives of nodularin and microcystin-LR, potent cyanobacterial cyclic peptide hepatotoxins. Chemical Research in Toxicology, 1993, 6, 151-158.	1.7	46
32	Inhibitors of protein phosphatase-1 and -2A; two of the major serine/threonine protein phosphatases involved in cellular regulation. Current Opinion in Structural Biology, 1993, 3, 934-943.	2.6	63
33	Tumor Promotion by Inhibitors of ProteinZ Phosphatases 1 and 2A: The Okadaic Acid Class of Compounds. Advances in Cancer Research, 1993, 61, 143-194.	1.9	270
34	Toxic Water Bloom of Blue-green Algae: Biological and Chemical Charactereristics.. Japanese Journal of Limnology, 1993, 54, 225-243.	0.1	6
35	Measurement of Toxins from Blue-green Algae in Water and Foodstuffs. , 1993, , 165-175.		39
36	Mechanism of Toxicity of Cyclic Peptide Toxins from Blue-green Algae. , 1993, , 177-186.		30

#	Article	IF	Citations
37	Microcystin class of toxins: health effects and safety of drinking water supplies. Environmental Reviews, 1994, 2, 167-186.	2.1	53
38	Structure and biosynthesis of toxins from blue-green algae (cyanobacteria). Journal of Applied Phycology, 1994, 6, 159-176.	1.5	461
39	Toxin extraction from an Anabaenopsis milleri â€" dominated bloom. Science of the Total Environment, 1994, 142, 163-169.	3.9	26
40	Two significant aspects of microcystin-LR: specific binding and liver specificity. Cancer Letters, 1994, 83, 283-289.	3.2	74
41	Biodegradability and adsorption on lake sediments of cyanobacterial hepatotoxins and anatoxin-a. Letters in Applied Microbiology, 1994, 19, 423-428.	1.0	149
42	Identification of protein phosphatase 2A as the primary target for microcystin-LR in rat liver homogenates. FEBS Letters, 1994, 344, 175-180.	1.3	78
43	Molecular structure of the cyanobacterial tumor-promoting microcystins. FEBS Letters, 1994, 349, 319-323.	1.3	52
44	Inhibitory effects of Microcystis aeruginosa toxin on ion pumps of the gill of freshwater fish. Toxicon, 1994, 32, 121-127.	0.8	53
45	In vitro neutralization of the inhibitory effect of microcystin-LR to protein phosphatase 2A by antibody against the toxin. Toxicon, 1994, 32, 605-613.	0.8	15
46	Use of a colorimetric protein phosphatase inhibition assay and enzyme linked immunosorbent assay for the study of microcystins and nodularins. Toxicon, 1994, 32, 1495-1507.	0.8	430
47	Release and degradation of microcystin following algicide treatment of a Microcystis aeruginosa bloom in a recreational lake, as determined by HPLC and protein phosphatase inhibition assay. Water Research, 1994, 28, 871-876.	5.3	424
48	Toxicity of Microcystis aeruginosa peptide toxin to yearling rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology, 1994, 30, 215-224.	1.9	170
49	A toxic bloom of Nodularia spumigena Mertens in Orielton Lagoon, Tasmania. Marine and Freshwater Research, 1994, 45, 787.	0.7	57
50	Stability of microcystins from cyanobacteria: effect of light on decomposition and isomerization. Environmental Science & Technology, 1994, 28, 173-177.	4.6	236
51	Kinetics of Distribution of Microcystin LR in Serum and Liver Cytosol of Mice: An Immunochemical Analysis. Journal of Agricultural and Food Chemistry, 1994, 42, 1035-1040.	2.4	30
52	Crossâ€Reactivity and Neutralizing Ability of Monoclonal Antibodies against Microcystins. Microbiology and Immunology, 1994, 38, 389-392.	0.7	11
55	Characterization of toxin-producing cyanobacteria by using an oligonucleotide probe containing a tandemly repeated heptamer. Journal of Bacteriology, 1995, 177, 6021-6026.	1.0	82
56	Cryopreservation of a water-bloom forming cyanobacterium, Microcystis aeruginosa f. aeruginosa. Phycological Research, 1995, 43, 111-116.	0.8	10

#	Article	IF	Citations
57	Structure of two microcystins: Refinement with nuclear overhauser effects and ensemble calculations. Biopolymers, 1995, 36, 811-828.	1.2	14
58	Reliable and sensitive method for determination of microcystins in complicated matrices by frit-fast atom bombardment liquid chromatography/mass spectrometry. Natural Toxins, 1995, 3, 41-49.	1.0	43
59	Novel monoclonal antibodies against microcystin and their protective activity for hepatotoxicity. Natural Toxins, 1995, 3, 78-86.	1.0	136
60	Comparative pathology of microcystin-lr in cultured hepatocytes, fibroblasts, and renal epithelial cells. Natural Toxins, 1995, 3, 119-128.	1.0	45
61	Induction of apoptosis by T-2 toxin and other natural toxins in HL-60 human promyelotic leukemia cells. Natural Toxins, 1995, 3, 129-137.	1.0	138
62	Pores formed in lipid bilayers and in native membranes by nodularin, a cyanobacterial toxin. European Biophysics Journal, 1995, 24, 69-76.	1.2	16
63	Persistence of cyclic peptide toxins in driedMicrocystis aeruginosa crusts from lake Mokoan, Australia. Environmental Toxicology and Water Quality, 1995, 10, 19-24.	0.7	49
64	Comparison of the solution structures of microcystin-LR and motuporin. Nature Structural and Molecular Biology, 1995, 2, 114-116.	3.6	49
65	High-performance liquid chromatography with chemiluminescence detection of derivatized microcystins. Journal of Chromatography A, 1995, 693, 263-270.	1.8	38
66	Suppression by carotenoids of microtenoids of microcystin-induced morphological changes in mouse hepatocytes. Lipids, 1995, 30, 1029-1034.	0.7	74
67	Alterations in Microtubules, Intermediate Filaments, and Microfilaments Induced by Microcystin-LR in Cultured Cells. Toxicologic Pathology, 1995, 23, 326-337.	0.9	111
68	Stability of microcystins from cyanobacteriaâ€"II. Effect of UV light on decomposition and isomerization. Toxicon, 1995, 33, 1619-1631.	0.8	180
69	Behavior of microcystins and its decomposition product in water treatment process. Chemosphere, 1995, 31, 3635-3641.	4.2	18
70	The cyanobacterial toxin microcystin binds covalently to cysteine-273 on protein phosphatase 1. FEBS Letters, 1995, 371, 236-240.	1.3	253
71	Anti-idiotype and Anti-anti-idiotype Antibodies Generated from Polyclonal Antibodies against Microcystin-LR. Journal of Agricultural and Food Chemistry, 1996, 44, 4037-4042.	2.4	17
72	Tyrosine-272 Is Involved in the Inhibition of Protein Phosphatase-1 by Multiple Toxins. Biochemistry, 1996, 35, 1606-1611.	1.2	70
73	Ferintoic Acids A and B, New Cyclic Hexapeptides from the Freshwater CyanobacteriumMicrocystisaeruginosa. Journal of Natural Products, 1996, 59, 570-575.	1.5	55
74	Effects of microcystin-lr on the partial reactions of the Na+î—¸K+ pump of the gill of carp (Cyprinus) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	45

#	Article	IF	Citations
75	Mass spectrometric screening method for microcystins in cyanobacteria. Toxicon, 1996, 34, 701-710.	0.8	85
76	Bistratene A Causes Phosphorylation of Talin and Redistribution of Actin Microfilaments in Fibroblasts: Possible Role for PKC-Î´. Experimental Cell Research, 1996, 229, 327-335.	1.2	33
77	Fate of toxic cyclic heptapeptides, microcystins, in toxic cyanobacteria upon grazing by the mixotrophic flagellate Poterioochromonas malhamensis (Ochromonadales, Chrysophyceae). Phycologia, 1996, 35, 203-206.	0.6	14
78	Ability of okadaic acid and other protein phosphatase inhibitors to mimic the stimulatory effects of 12-O-tetradecanoylphorbol-13-acetate on hydroperoxide production in mouse epidermis in vivo. Cancer Letters, 1996, 98, 241-251.	3.2	9
79	Effect of salinity on growth and toxin production in cultures of the bloom-forming cyanobacterium Nodularia spumigena from Australian waters. Phycologia, 1996, 35, 511-522.	0.6	42
80	Detection and Identification of Metabolites of Microcystins Formedin Vivoin Mouse and Rat Livers. Chemical Research in Toxicology, 1996, 9, 1355-1359.	1.7	164
81	Synthesis towards microcystins and related toxins. Chemical Communications, 1996, , 1683.	2.2	11
82	Molecular mechanisms underlying the interaction of motuporin and microcystins with type-1 and type-2A protein phosphatases. Biochemistry and Cell Biology, 1996, 74, 569-578.	0.9	147
83	Choosing analytical strategy for microcystins. Phycologia, 1996, 35, 125-132.	0.6	14
84	Regulation of natural killer cell-mediated cytotoxicity by serine/threonine phosphatases: identification of a calyculin A-sensitive serine/threonine kinase. Biochemical Journal, 1996, 320, 153-159.	1.7	7
85	Cyclic peptides and depsipeptides from cyanobacteria: A review. Journal of Industrial Microbiology, 1996, 16, 134-143.	0.9	216
86	Bioactive compounds produced by cyanobacteria. Journal of Industrial Microbiology, 1996, 17, 373-384.	0.9	241
87	EVIDENCE THAT MICROCYSTIN IS A THIO-TEMPLATE PRODUCT1. Journal of Phycology, 1996, 32, 591-597.	1.0	66
88	Microviridins D-F, serine protease inhibitors from the cyanobacterium Oscillatoria agardhii (NIES-204). Tetrahedron, 1996, 52, 8159-8168.	1.0	76
89	Kawaguchipeptin A, a novel cyclic undecapeptide from cyanobacterium Microcystis aeruginosa (NIES-88). Tetrahedron, 1996, 52, 9025-9030.	1.0	43
90	Biliary excretion of biochemically active cyanobacteria (blue-green algae) hepatotoxins in fish. Toxicology, 1996, 106, 123-130.	2.0	78
91	Tumour promotion by cyanobacterial toxins. Phycologia, 1996, 35, 74-79.	0.6	137
92	A Molecular Basis for Different Interactions of Marine Toxins with Protein Phosphatase-1. Journal of Biological Chemistry, 1997, 272, 5087-5097.	1.6	133

#	Article	IF	Citations
93	Microcystins and nodularins hepatotoxic cyclic peptides of cyanobacterial origin. Studies in Natural Products Chemistry, 1997, 20, 887-920.	0.8	0
94	Tumor promotion and TNFâ€Î± gene expression by the okadaic acid class tumor promoters. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 1997, 15, 1-40.	2.9	15
95	Evidence for a Covalently Bound Form of Microcystin-LR in Salmon Liver and Dungeness Crab Larvae. Chemical Research in Toxicology, 1997, 10, 463-469.	1.7	111
96	A Targeted Library of Small-Molecule, Tyrosine, and Dual-Specificity Phosphatase Inhibitors Derived from a Rational Core Design and Random Side Chain Variationâ€. Biochemistry, 1997, 36, 15965-15974.	1.2	76
97	Total Synthesis of the Serine/Threonine-Specific Protein Phosphatase Inhibitor Tautomycin1. Journal of Organic Chemistry, 1997, 62, 387-398.	1.7	49
98	The Cyanotoxins. Advances in Botanical Research, 1997, , 211-256.	0.5	296
99	14C-labelled microcystin-LR administered to Atlantic salmon via intraperitoneal injection provides in vivo evidence for covalent binding of microcystin-LR in salmon livers. Toxicon, 1997, 35, 985-989.	0.8	83
100	Stability of Microcystins from cyanobacteriaâ€”iv. effect of chlorination on decomposition. Toxicon, 1997, 35, 1033-1041.	0.8	123
101	Bioaccumulation and clearance of microcystins from salt water mussels, mytilus edulis, and in vivo evidence for covalently bound microcystins in mussel tissues. Toxicon, 1997, 35, 1617-1625.	0.8	134
102	Microcystin LR degradation by Pseudomonas aeruginosa alkaline protease. Chemosphere, 1997, 34, 749-757.	4.2	103
103	Enzyme Immunoassay for Direct Determination of Microcystins in Environmental Water. Journal of AOAC INTERNATIONAL, 1997, 80, 408-417.	0.7	79
104	Expression of the tumor necrosis factor? gene and early response genes by nodularin, a liver tumor promoter, in primary cultured rat hepatocytes. Journal of Cancer Research and Clinical Oncology, 1997, 123, 413-419.	1.2	64
105	Combinatorial synthesis and biological evaluation of Library of small-molecule Ser/Thr-protein phosphatase inhibitors. Bioorganic and Medicinal Chemistry, 1997, 5, 165-177.	1.4	50
106	Inhibition of the ser-thr phosphatases PP1 and PP2A by naturally occurring toxins. Bioorganic and Medicinal Chemistry, 1997, 5, 1739-1750.	1.4	145
107	Microginins 299-A and -B, leucine aminopeptidase inhibitors from the cyanobacterium Microcystis aeruginosa (NIES-299). Tetrahedron, 1997, 53, 10281-10288.	1.0	39
108	First identification of microcystins in Irish lakes aided by a new derivatisation procedure for electrospray mass spectrometric analysis. Natural Toxins, 1997, 5, 247-254.	1.0	21
109	Nodularin concentrations in Lakes Alexandrina and Albert, South Australia, during a bloom of the cyanobacterium (blue-green alga)Nodularia spumigena and degradation of the toxin. Environmental Toxicology and Water Quality, 1997, 12, 273-282.	0.7	56
110	Chromatography of microcystins. Analytica Chimica Acta, 1997, 352, 277-298.	2.6	159

#	Article	IF	Citations
111	Inhibition of Protein Phosphatase Activity and Changes in Protein Phosphorylation Following Acetaminophen Exposure in Cultured Mouse Hepatocytes. Toxicology and Applied Pharmacology, 1998, 153, 119-132.	1.3	15
112	First Report on the Identification of Microcystin in a Water Bloom Collected in Belgium. Systematic and Applied Microbiology, 1998, 21, 23-27.	1.2	24
113	Temporal variabilities of the concentrations of intra- and extracellular microcystin and toxicMicrocystis species in a hypertrophic lake, Lake Suwa, Japan (1991-1994). Environmental Toxicology and Water Quality, 1998, 13, 61-72.	0.7	170
114	Hepatotoxic microcystins and neurotoxic anatoxin-a in cyanobacterial blooms from Korean lakes. Environmental Toxicology and Water Quality, 1998, 13, 225-234.	0.7	72
115	the toxicology of microcystins. Toxicon, 1998, 36, 953-962.	0.8	760
116	Anti-idiotype monoclonal antibodies against anti-microcystin antibody and their use in enzyme immunoassay. Toxicon, 1998, 36, 235-245.	0.8	29
117	Microcystin uptake inhibits growth and protein phosphatase activity in mustard (Sinapis alba L.) seedlings. Toxicon, 1998, 36, 1921-1926.	0.8	82
118	Formation of 3- amino-2, 6, 8-trimethyl-10-phenyldeca-4E 6E-dienoic acid from microcystin LR by the treatment with various proteases, and its detection in mouce liver. Chemosphere, 1998, 36, 2277-2282.	4.2	3
119	Persistence and Decomposition of Hepatotoxic Microcystins Produced by Cyanobacteria in Natural Environment. Toxin Reviews, 1998, 17, 385-403.	1.5	54
120	Modulation of Ceramide-Activated Protein Phosphatase 2A Activity by Low Molecular Weight Aromatic Compounds. Biochemical Pharmacology, 1998, 55, 1105-1111.	2.0	12
121	Cyanobacterial toxins and human health. Journal of Applied Microbiology, 1998, 84, 35S-40S.	1.4	49
122	Protein Phosphatase Inhibition Assay for Detection of Microcystins in Lake Water and Microcystis Cultures.. Microbes and Environments, 1998, 13, 149-157.	0.7	1
123	Role of PP2A in intracellular signal transduction pathways. Frontiers in Bioscience - Landmark, 1998, 3, d1262-1273.	3.0	107
124	Molecular mechanisms underlying inhibition of protein phosphatases by marine toxins. Frontiers in Bioscience - Landmark, 1999, 4, d646.	3.0	66
125	The Potential Role of Natural Tumor Promoters in Marine Turtle Fibropapillomatosis. Journal of Aquatic Animal Health, 1999, 11, 199-210.	0.6	76
126	GENETIC, MORPHOLOGICAL, AND TOXICOLOGICAL VARIATION AMONG GLOBALLY DISTRIBUTED STRAINS OF NODULARIA (CYANOBACTERIA). Journal of Phycology, 1999, 35, 339-355.	1.0	88
127	On-line trace enrichment for the simultaneous determination of microcystins in aqueous samples using high-performance liquid chromatography with diode-array detection. Journal of Chromatography A, 1999, 848, 179-184.	1.8	41
128	Development of a Capillary Zone Electrophoretic Method for the Rapid Separation and Detection of Hepatotoxic Microcystins. Marine Pollution Bulletin, 1999, 39, 250-254.	2.3	27

#	Article	IF	Citations
129	Microcystin in Cyanobacterial Blooms in a Chilean Lake. Systematic and Applied Microbiology, 1999, 22, 169-173.	1.2	15
130	A Fluorescent Microplate Assay for Microcystin-LR. Analytical Biochemistry, 1999, 269, 289-296.	1.1	53
131	Using an enzyme linked immunosorbent assay (ELISA) and a protein phosphatase inhibition assay (PPIA) for the detection of microcystins and nodularins. Natural Toxins, 1999, 7, 377-385.	1.0	155
132	Management of toxic blue-green algae (cyanobacteria) in Australia. Environmental Toxicology, 1999, 14, 183-195.	2.1	35
133	Microcystin-LR and liver tumor promotion: effects on cytokinesis, ploidy, and apoptosis in cultured hepatocytes. Environmental Toxicology, 1999, 14, 61-75.	2.1	98
134	Genotoxicity of microcystic cyanobacteria extract of a water source in China. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1999, 442, 69-77.	0.9	109
135	Toxins Affecting Cell Signalling and Alteration of Cytoskeletal Structure. Toxicology in Vitro, 1999, 13, 521-530.	1.1	71
136	Effects of microcystins on phosphorylase-a binding to phosphatase-2A: kinetic analysis by surface plasmon resonance biosensor. Biochimica Et Biophysica Acta - General Subjects, 1999, 1427, 62-73.	1.1	12
137	Marine Natural Products and Marine Chemical Ecology. , 1999, , 415-649.		27
138	Total Synthesis of Motuporin and 5-[l-Ala]-Motuporin. Journal of Organic Chemistry, 1999, 64, 2711-2728.	1.7	29
139	SMG-2 Is a Phosphorylated Protein Required for mRNA Surveillance in Caenorhabditis elegans and Related to Upf1p of Yeast. Molecular and Cellular Biology, 1999, 19, 5943-5951.	1.1	203
140	Insecticidal compounds against mosquito larvae fromOscillatoria agardhii strain 27. Environmental Toxicology, 2000, 15, 114-119.	2.1	39
141	Electrochemical and conformational studies of microcystinâ€“LR. Analytica Chimica Acta, 2000, 409, 247-255.	2.6	34
142	Genes encoding synthetases of cyclic depsipeptides, anabaenopeptilides, in Anabaena strain 90. Molecular Microbiology, 2000, 37, 156-167.	1.2	162
143	Cyanobacterial toxins: removal during drinking water treatment, and human risk assessment.. Environmental Health Perspectives, 2000, 108, 113-122.	2.8	300
144	Chapter 11B Toxins of freshwater cyanobacteria (blue-green algae). Handbook of Analytical Separations, 2000, , 359-390.	0.8	2
146	The first observation of okadaic acid in flounder in the Baltic Sea. Sarsia, 2000, 85, 471-475.	0.5	17
147	Mutation of the Toxin Binding Site of PP-1c: Comparison with PP-2B. Biochemical and Biophysical Research Communications, 2000, 270, 543-549.	1.0	6

#	Article	IF	Citations
148	Isolation and characterization of microcystins from a River Nile strain of Oscillatoria tenuis Agardh ex Gomont. Toxicon, 2000, 38, 1759-1771.	0.8	69
149	The adsorption of microcystin-LR by natural clay particles. Toxicon, 2000, 38, 303-308.	0.8	130
150	Monitoring of microcystin-protein phosphatase adduct formation with immunochemical methods. Toxicon, 2000, 38, 619-632.	0.8	20
151	Visual detection of cyanobacterial hepatotoxins by thin-layer chromatography and application to water analysis. Water Research, 2000, 34, 2643-2652.	5.3	36
152	Development and Application of Highly Sensitive Anti-immune Complex ELISAs for Microcystins in Tap Water. Food and Agricultural Immunology, 2000, 12, 231-241.	0.7	18
153	MICROCYSTINS (CYANOBACTERIAL TOXINS) IN DRINKING WATER ENHANCE THE GROWTH OF ABERRANT CRYPT FOCI IN THE MOUSE COLON. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2000, 61, 155-165.	1.1	121
154	Cyanobacterial Toxins: Removal during Drinking Water Treatment, and Human Risk Assessment. Environmental Health Perspectives, 2000, 108, 113.	2.8	130
155	Suppression of IL-2 and IL-4 gene expression by nodularin through the reduced NF-AT binding activity. Toxicology Letters, 2000, 114, 215-224.	0.4	11
156	Toxicology and Risk Assessment of Freshwater Cyanobacterial (Blue-Green Algal) Toxins in Water. Reviews of Environmental Contamination and Toxicology, 2000, 163, 113-185.	0.7	146
157	Isolation of New Protein Phosphatase Inhibitors from Two Cyanobacteria Species,Planktothrixspp.. Journal of Natural Products, 2001, 64, 1052-1055.	1.5	82
158	Microcystin-induced down-regulation of lymphocyte functions through reduced IL-2 mRNA stability. Toxicology Letters, 2001, 122, 21-31.	0.4	28
159	Nodularin analyses and toxicity of a Nodularia spumigena (Nostocales, Cyanobacteria) water-bloom in the western Gulf of Finland, Baltic Sea, in August 1999. Phycologia, 2001, 40, 268-274.	0.6	67
160	[d-Leu1] microcystin-LR, a new microcystin isolated from waterbloom in a Canadian prairie lake. Toxicon, 2001, 39, 855-862.	0.8	70
161	The adsorption of cyanobacterial hepatotoxins from water onto soil during batch experiments. Water Research, 2001, 35, 1461-1468.	5.3	93
162	BEHAVIOR OF CYANOBACTERIA AND ITS CONSTITUENT TOXIN MICROCYSTIN IN THE LAKE BIWA CANAL. Doboku Gakkai Ronbunshu, 2001, 2001, 69-77.	0.2	0
163	Analysis of Cyanobacterial Toxins by Physicochemical and Biochemical Methods. Journal of AOAC INTERNATIONAL, 2001, 84, 1626-1635.	0.7	36
164	Cytological alterations in isolated hepatocytes from common carp (Cyprinus carpio L.) exposed to microcystin-LR. Environmental Toxicology, 2001, 16, 517-522.	2.1	55
165	Detection of nodularin in flounders and cod from the Baltic Sea. Environmental Toxicology, 2001, 16, 121-126.	2.1	73

#	Article	IF	Citations
166	A colorimetric protein phosphatase inhibition assay for the determination of cyanobacterial peptide hepatotoxins based on the dephosphorylation of phosvitin by recombinant protein phosphatase 1. Environmental Toxicology, 2001, 16, 242-252.	2.1	34
167	Time-dependent accumulation of cyanobacterial hepatotoxins in flounders (Platichthys flesus) and Mussels (Mytilus edulis) from the Northern Baltic Sea. Environmental Toxicology, 2001, 16, 330-336.	2.1	98
168	Selective left-lobe atrophy by nodularin treatment accompanied by reduced protein phosphatase 1/2a and increased peroxisome proliferation in rat liver. International Journal of Cancer, 2001, 91, 32-40.	2.3	9
169	A study of the binding requirements of calyculin A and dephosphonocalyculin A with PP1, development of a molecular recognition model for the binding interactions of the okadaic acid class of compounds with PP1. European Journal of Pharmaceutical Sciences, 2001, 12, 181-194.	1.9	10
170	ENVIRONMENTAL CONDITIONS ASSOCIATING MICROCYSTINS PRODUCTION TOMICROCYSTIS AERUGINOSAIN A RESERVOIR OF THAILAND. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 1181-1207.	0.9	17
171	The chemistry of lithistid sponge: A spectacular source of new metabolites. Studies in Natural Products Chemistry, 2002, 26, 1175-1258.	0.8	7
172	Bioaccumulation and Detoxication of Nodularin in Tissues of Flounder (Platichthys flesus), Mussels (Mytilus edulis, Dreissena polymorpha), and Clams (Macoma balthica) from the Northern Baltic Sea. Ecotoxicology and Environmental Safety, 2002, 53, 305-311.	2.9	79
173	PHOTOCATALYTIC DETOXIFICATION OF MICROCYSTINS COMBINED WITH FERRATE PRETREATMENT. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 641-649.	0.9	11
174	Screening for cyanobacterial hepatotoxins in herring and salmon from the Baltic Sea. Aquatic Ecosystem Health and Management, 2002, 5, 451-456.	0.3	27
175	Investigation of the distribution and excretion of okadaic acid in mice using immunostaining method. Toxicon, 2002, 40, 159-165.	0.8	63
176	Toxicity and uptake mechanism of cylindrospermopsin and lophyrotomin in primary rat hepatocytes. Toxicon, 2002, 40, 205-211.	0.8	86
177	Comparison of protein phosphatase inhibitory activity and apparent toxicity of microcystins and related compounds. Toxicon, 2002, 40, 1017-1025.	0.8	135
178	Acute effects and bioaccumulation of nodularin in sea trout (Salmo trutta m. trutta L.) exposed orally to Nodularia spumigena under laboratory conditions. Aquatic Toxicology, 2002, 61, 155-168.	1.9	70
179	Crystal Structure of the Complex between Calyculin A and the Catalytic Subunit of Protein Phosphatase 1. Structure, 2002, 10, 715-724.	1.6	99
180	Chromatographic and spectral behaviour and detection of hepatotoxic nodularin in fish, clam, mussel and mouse tissues using HPLC analysis. Chromatographia, 2002, 55, 157-162.	0.7	19
181	[ADMAdda5]-microcystins inPlanktothrix agardhii strain PH-123 (cyanobacteria)? importance for monitoring of microcystins in the environment. Environmental Toxicology, 2002, 17, 351-357.	2.1	25
182	Mechanism and prediction for contamination of freshwater bivalves (Unionidae) with the cyanobacterial toxin microcystin in hypereutrophic Lake Suwa, Japan. Environmental Toxicology, 2002, 17, 424-433.	2.1	66
183	Aeruginoguanidines 98-Aâ€“98-C: cytotoxic unusual peptides from the cyanobacterium Microcystis aeruginosa. Tetrahedron, 2002, 58, 7645-7652.	1.0	25

#	Article	IF	Citations
184	Chemical and Enzymatic Synthesis of Fluorinated-Dehydroalanine-Containing Peptides. ChemBioChem, 2003, 4, 1206-1215.	1.3	8
185	Screening for cyanobacterial hepatotoxins, microcystins and nodularin in environmental water samples by reversed-phase liquid chromatographyâ€“electrospray ionisation mass spectrometry. Journal of Chromatography A, 2003, 1020, 105-119.	1.8	194
186	Role of oxidative stress and mitochondrial changes in cyanobacteria-induced apoptosis and hepatotoxicity. FEMS Microbiology Letters, 2003, 220, 1-7.	0.7	233
187	Mass spectrometric detection of nodularin and desmethylnodularin in mussels and flounders. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 784, 243-253.	1.2	53
188	Uptake and accumulation of dissolved, radiolabeled nodularin in Baltic Sea zooplankton. Environmental Toxicology, 2003, 18, 52-60.	2.1	42
189	Depuration kinetics and persistence of the cyanobacterial toxin microcystin-LR in the freshwater bivalveUnio douglasiae. Environmental Toxicology, 2003, 18, 61-67.	2.1	74
190	Estimation of microcystins in the freshwater fishOreochromis niloticus in an Egyptian fish farm containing aMicrocystis bloom. Environmental Toxicology, 2003, 18, 137-141.	2.1	181
191	Mass spectrometric detection and quantification of nodularin-R in flounder livers. Environmental Toxicology, 2003, 18, 284-288.	2.1	18
192	A Cyanobacterial Circadian Timing Mechanism. Annual Review of Genetics, 2003, 37, 513-543.	3.2	114
193	Effects of cyanobacteria bloom extract on some parameters of immune function in mice. Toxicology Letters, 2003, 143, 27-36.	0.4	64
195	Microcystin-LR induces oxidative DNA damage in human hepatoma cell line HepG2. Toxicon, 2003, 41, 41-48.	0.8	197
196	Synthesis and organotropism of 3H-dihydro derivatives of the cyanobacterial peptide hepatotoxin nodularin. Toxicon, 2003, 41, 153-162.	0.8	12
197	Responses of antioxidant systems in the hepatocytes of common carp (Cyprinus carpio L.) to the toxicity of microcystin-LR. Toxicon, 2003, 42, 85-89.	0.8	216
198	Microcystin-LR alters the growth, anthocyanin content and single-stranded DNase enzyme activities in Sinapis alba L. seedlings. Aquatic Toxicology, 2003, 62, 1-9.	1.9	60
199	Parallel purification of three catalytic subunits of the protein serine/threonine phosphatase 2A family (PP2AC, PP4C, and PP6C) and analysis of the interaction of PP2AC with alpha4 protein. Protein Expression and Purification, 2003, 31, 19-33.	0.6	63
200	Quantitative Detection of Toxic Strains of the Cyanobacterial Genus Microcystis by Competitive PCR. Microbes and Environments, 2003, 18, 16-23.	0.7	33
201	FATE OF CYANOBACTERIAL TOXIN, MICROCYSTIN IN LAKE BIWA AND EXAMINATION OF THE TOXIN ANALYSIS USING ELISA METHOD. Doboku Gakkai Ronbunshu, 2003, 2003, 33-42.	0.2	0
202	Microcystis aeruginosa: source of toxic microcystins in drinking water. African Journal of Biotechnology, 2004, 3, 159-168.	0.3	93

#	Article	IF	Citations
203	Enzymeâ€Linked Immunosorbent Assay Detection of Microcystins Using New Monoclonal Antibodies. Journal of Immunoassay and Immunochemistry, 2004, 25, 227-239.	0.5	2
204	Effects of Phosphate and Light on Growth of and Bioactive Peptide Production by the Cyanobacterium Anabaena Strain 90 and Its Anabaenopeptilide Mutant. Applied and Environmental Microbiology, 2004, 70, 4551-4560.	1.4	69
205	Toxic Cyanobacteria in Greek Freshwaters, 1987â€”2000: Occurrence, Toxicity, and Impacts in the Mediterranean Region. Clean - Soil, Air, Water, 2004, 32, 107-124.	0.8	80
206	Analysis of immunomodulating nitric oxide, iNOS and cytokines mRNA in mouse macrophages induced by microcystin-LR. Toxicology, 2004, 197, 67-77.	2.0	50
207	The role of reactive oxygen species in microcystin-LR-induced DNA damage. Toxicology, 2004, 200, 59-68.	2.0	146
208	Cloud-point extraction of nodularin-R from natural waters. Analytica Chimica Acta, 2004, 509, 63-70.	2.6	29
209	Novel fluorescent biosensor for pathogenic toxins using cyclic polypeptide conjugatesElectronic supplementary information (ESI) available: synthetic approach for microcystin conjugates. See http://www.rsc.org/suppdata/cc/b3/b316057b/. Chemical Communications, 2004, , 1136.	2.2	17
210	Oxidation of the Cyanobacterial Hepatotoxin Microcystin-LR by Chlorine Dioxide:Â Reaction Kinetics, Characterization, and Toxicity of Reaction Products. Environmental Science & Technology, 2004, 38, 6025-6031.	4.6	89
211	Comparison of Fluorescence Immunochromatography and HPLC for the Trace Analysis of Algal Toxins. Journal of Liquid Chromatography and Related Technologies, 2004, 27, 3189-3202.	0.5	5
212	Microcystin-LR and nodularin induce intracellular glutathione alteration, reactive oxygen species production and lipid peroxidation in primary cultured rat hepatocytes. Toxicology Letters, 2004, 148, 53-63.	0.4	140
213	The role of microcystin-LR in the induction of apoptosis and oxidative stress in CaCo2 cells. Toxicon, 2004, 43, 85-92.	0.8	100
214	Effects of microcystins on the growth and the activity of superoxide dismutase and peroxidase of rape (Brassica napus L.) and rice (Oryza sativa L.). Toxicon, 2004, 43, 393-400.	0.8	165
215	Proteomics approach on microcystin binding proteins in mouse liver for investigation of microcystin toxicity. Toxicon, 2004, 43, 651-659.	0.8	59
216	Subchronic oral toxicity of microcystin in common carp (Cyprinus carpio L.) exposed to Microcystis under laboratory conditions. Toxicon, 2004, 44, 821-827.	0.8	132
217	Genotoxicity of microcystin-LR in human lymphoblastoid TK6 cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 557, 1-6.	0.9	74
218	Microcystin-LR and okadaic acid-induced cellular effects: a dualistic response. FEBS Letters, 2004, 557, 1-8.	1.3	244
219	Coordination of DNA replication and cell division in CyanobacteriaMicrocystis aeruginosa. FEMS Microbiology Letters, 2005, 251, 149-154.	0.7	33
220	Liquid chromatographyâ€“tandem mass spectrometry and accurate m/z measurements of cyclic peptide cyanobacteria toxins. TrAC - Trends in Analytical Chemistry, 2005, 24, 622-634.	5.8	63

#	Article	IF	Citations
221	The photocatalytic destruction of the cyanotoxin, nodularin using TiO2. Applied Catalysis B: Environmental, 2005, 60, 245-252.	10.8	33
222	Is there a Human Health Hazard from Microcystins in the Drinking Water Supply?. Clean - Soil, Air, Water, 2005, 33, 64-71.	0.8	63
223	Towards the protein phosphatase-based biosensor for microcystin detection. Biosensors and Bioelectronics, 2005, 20, 1520-1530.	5.3	61
224	Effects of microcystin-LR on patterns of iNOS and cytokine mRNA expression in macrophagesin vitro. Environmental Toxicology, 2005, 20, 85-91.	2.1	18
225	Trophic transfer of cyanobacterial toxins from zooplankton to planktivores: Consequences for pike larvae and mysid shrimps. Environmental Toxicology, 2005, 20, 354-362.	2.1	46
226	Quantitative LC-ESI-MS analyses of microcystins and nodularin-R in animal tissueâ€"Matrix effects and method validation. Environmental Toxicology, 2005, 20, 381-389.	2.1	61
227	The adsorption of cyanobacterial hepatoxins as a function of soil properties. Journal of Water and Health, 2005, 3, 339-347.	1.1	29
228	The Microcystin Composition of the Cyanobacterium Planktothrix agardhii Changes toward a More Toxic Variant with Increasing Light Intensity. Applied and Environmental Microbiology, 2005, 71, 5177-5181.	1.4	165
230	Proteomic Analysis of Cellular Response to Microcystin in Human Amnion FL Cells. Journal of Proteome Research, 2005, 4, 2207-2215.	1.8	31
231	Simple Assay for Analyzing Five Microcystins and Nodularin in Fish Muscle Tissue:Â Hot Water Extraction Followed by Liquid Chromatographyâ^'Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2005, 53, 6586-6592.	2.4	52
232	Oral exposure to Microcystis increases activity-augmented antioxidant enzymes in the liver of loach (Misgurnus mizolepis) and has no effect on lipid peroxidation. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2005, 141, 292-296.	1.3	34
233	Heterogeneity of nodularin bioaccumulation in northern Baltic Sea flounders in 2002. Chemosphere, 2005, 59, 1091-1097.	4.2	32
234	Comparison of the structure of key variants of microcystin to vasopressin. Environmental Toxicology and Pharmacology, 2005, 19, 297-303.	2.0	10
235	Kinetics of reactions between chlorine and the cyanobacterial toxins microcystins. Water Research, 2005, 39, 1628-1638.	5.3	144
236	Altered expression of p53, Bcl-2 and Bax induced by microcystin-LR in vivo and in vitro. Toxicon, 2005, 46, 171-177.	0.8	88
237	Microcystin-RR-induced accumulation of reactive oxygen species and alteration of antioxidant systems in tobacco BY-2 cells. Toxicon, 2005, 46, 507-512.	0.8	72
238	Estimating nodularin content of cyanobacterial blooms from abundance of Nodularia spumigena and its characteristic pigmentsâ€"a case study from the Baltic entrance area. Harmful Algae, 2005, 4, 167-178.	2.2	34
239	Hepatotoxic Cyanobacteria: A Review of the Biological Importance of Microcystins in Freshwater Environments. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2005, 8, 1-37.	2.9	469

#	Article	IF	Citations
240	Monitoring Algal Toxins in Lake Water by Liquid Chromatography Tandem Mass Spectrometry. Environmental Science & Technology, 2006, 40, 2917-2923.	4.6	82
241	Carcinogenicity of nitrate, nitrite, and cyanobacterial peptide toxins. Lancet Oncology, The, 2006, 7, 628-629.	5.1	256
242	A Circadian Timing Mechanism in the Cyanobacteria. Advances in Microbial Physiology, 2006, 52, 229-296.	1.0	25
243	Nodularin-induced genotoxicity following oxidative DNA damage and aneuploidy in HepG2 cells. Toxicology Letters, 2006, 164, 239-248.	0.4	34
244	Oxidation of the Cyanobacterial Hepatotoxin Microcystin-LR by Chlorine Dioxide:Â Influence of Natural Organic Matter. Environmental Science & Technology, 2006, 40, 1504-1510.	4.6	56
245	The acute effects of microcystin LR on the transcription of nine glutathione S-transferase genes in common carp Cyprinus carpio L.. Aquatic Toxicology, 2006, 80, 261-266.	1.9	68
246	Depuration of microcystins in tilapia fish exposed to natural populations of toxic cyanobacteria: A laboratory study. Ecotoxicology and Environmental Safety, 2006, 63, 424-429.	2.9	43
247	Isolation and Characterization of a Cyanophage Infecting the Toxic Cyanobacterium Microcystis aeruginosa. Applied and Environmental Microbiology, 2006, 72, 1239-1247.	1.4	126
248	Crystal Structures of Protein Phosphatase-1 Bound to Motuporin and Dihydromicrocystin-LA: Elucidation of the Mechanism of Enzyme Inhibition by Cyanobacterial Toxins. Journal of Molecular Biology, 2006, 356, 111-120.	2.0	77
249	Alteration of intracellular GSH levels and its role in microcystin-LR-induced DNA damage in human hepatoma HepG2 cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 611, 25-33.	0.9	83
250	LC/ESI/MS method development for the analysis of hepatotoxic cyclic peptide microcystins in animal tissues. Toxicon, 2006, 47, 734-741.	0.8	55
251	Toxic effects of Microcystis cell extracts on the reproductive system of male mice. Toxicon, 2006, 48, 973-979.	0.8	101
252	Sequential ultrastructural and biochemical changes induced by microcystin-LR in isolated perfused rat livers. Natural Toxins, 1996, 4, 195-205.	1.0	17
253	Characterization of nodularin variants inNodularia spumigena from the Baltic Sea using liquid chromatography/mass spectrometry/mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 2023-2032.	0.7	63
254	Analysis of paralytic shellfish toxins inAphanizomenon DC-1 from Lake Dianchi, China. Environmental Toxicology, 2006, 21, 289-295.	2.1	34
255	Identification of human liver mitochondrial aldehyde dehydrogenase as a potential target for microcystin-LR. Toxicology, 2006, 220, 71-80.	2.0	57
256	Determination of Microcystins in Water Using Integrated Solid-Phase Microextraction with Microbore High-Performance Liquid Chromatography--Electrospray Quadruple Time-of-Flight Mass Spectrometry. Journal of Chromatographic Science, 2006, 44, 359-365.	0.7	21
257	2,3-Butanedione Monoxime Affects Cystic Fibrosis Transmembrane Conductance Regulator Channel Function through Phosphorylation-Dependent and Phosphorylation-Independent Mechanisms: The Role of Bilayer Material Properties. Molecular Pharmacology, 2006, 70, 2015-2026.	1.0	29

#	Article	IF	Citations
258	Allelopathy of Baltic Sea cyanobacteria: no evidence for the role of nodularin. Journal of Plankton Research, 2006, 28, 543-550.	0.8	49
259	Chapter 16 Amperometric enzyme sensors for the detection of cyanobacterial toxins in environmental samples. Comprehensive Analytical Chemistry, 2007, , 331-355.	0.7	5
260	Hepatic Gene Expression Changes in Mice Associated with Prolonged Sublethal Microcystin Exposure. Toxicologic Pathology, 2007, 35, 594-605.	0.9	57
261	Development and Application of Quantitative Detection of Cyanophages Phylogenetically Related to Cyanophage Ma-LMM01 Infecting Microcystis aeruginosa in Fresh Water. Microbes and Environments, 2007, 22, 207-213.	0.7	36
262	Enzyme inhibition-based biosensor for the electrochemical detection of microcystins in natural blooms of cyanobacteria. Talanta, 2007, 72, 179-186.	2.9	48
263	Ecosystem Consequences of Cyanobacteria in the Northern Baltic Sea. Ambio, 2007, 36, 195-202.	2.8	103
264	Liquid Chromatographyâ"Tandem Mass Spectrometry Application, for the Determination of Extracellular Hepatotoxins in Irish Lake and Drinking Waters. Analytical Chemistry, 2007, 79, 3436-3447.	3.2	58
267	In vivo exposure to microcystins induces DNA damage in the haemocytes of the zebra mussel,Dreissena polymorpha, as measured with the comet assay. Environmental and Molecular Mutagenesis, 2007, 48, 22-29.	0.9	28
268	Highly sensitive amperometric immunosensors for microcystin detection in algae. Biosensors and Bioelectronics, 2007, 22, 1034-1040.	5.3	87
269	Accumulation of nodularin in sediments, mussels, and fish from the Gulf of GdaÅ„sk, southern Baltic Sea. Environmental Toxicology, 2007, 22, 101-111.	2.1	48
270	Phosphoprotein analysis for investigation of in vivo relationship between protein phosphatase inhibitory activities and acute hepatotoxicity of microcystinâ€LR. Environmental Toxicology, 2007, 22, 620-629.	2.1	15
271	Dynamics of microcystin-producing and non-microcystin-producingMicrocystispopulations is correlated with nitrate concentration in a Japanese lake. FEMS Microbiology Letters, 2007, 266, 49-53.	0.7	139
272	Natural Products with Maleic Anhydride Structure:Â Nonadrides, Tautomycin, Chaetomellic Anhydride, and Other Compounds. Chemical Reviews, 2007, 107, 1777-1830.	23.0	98
273	Alteration of proteins expression in apoptotic FL cells induced by MCLR. Environmental Toxicology, 2008, 23, 451-458.	2.1	29
274	Oral administration of cyanobacterial bloom extract induced the altered expression of the PP2A, Bax, and Bclâ€2 in mice. Environmental Toxicology, 2008, 23, 688-693.	2.1	9
275	Use of mechanistic data in IARC evaluations. Environmental and Molecular Mutagenesis, 2008, 49, 100-109.	0.9	37
276	Mechanisms and factors influencing the removal of microcystin-LR by ultrafiltration membranes. Journal of Membrane Science, 2008, 320, 240-247.	4.1	62
277	In vivo studies on the toxic effects of microcystins on mitochondrial electron transport chain and ion regulation in liver and heart of rabbit. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 148, 204-210.	1.3	33

#	Article	IF	Citations
278	Three novel metabolites from a bloom of the cyanobacterium Microcystis sp.. Tetrahedron, 2008, 64, 6628-6634.	1.0	29
279	Physiological effects in juvenile threeâ€spined sticklebacks feeding on toxic cyanobacterium Nodularia spumigenaâ€exposed zooplankton. Journal of Fish Biology, 2008, 72, 485-499.	0.7	21
280	Oxidation of MC-LR and -RR with chlorine and potassium permanganate: Toxicity of the reaction products. Water Research, 2008, 42, 1744-1752.	5.3	77
281	Toxic response indicators of microcystin-LR in F344 rats following a single-dose treatment. Toxicon, 2008, 51, 1068-1080.	0.8	29
282	Gene expression profiles in liver of zebrafish treated with microcystin-LR. Environmental Toxicology and Pharmacology, 2008, 26, 6-12.	2.0	40
283	First reported case of turtle deaths during a toxic Microcystis spp. bloom in Lake Oubeira, Algeria. Ecotoxicology and Environmental Safety, 2008, 71, 535-544.	2.9	83
284	Human Health Risk Assessment Related to Cyanotoxins Exposure. Critical Reviews in Toxicology, 2008, 38, 97-125.	1.9	382
285	Ma-LMM01 Infecting Toxic Microcystis aeruginosa Illuminates Diverse Cyanophage Genome Strategies. Journal of Bacteriology, 2008, 190, 1762-1772.	1.0	124
286	Comparative PCR analysis of toxicNodularia spumigenaand non-toxicNodularia harveyana(Nostocales,) Tj ETQq0 0 0 rgBT /Overlock 10 T Phycology, 2009, 44, 291-295.	0.9	4
287	Changes in the GST activity of the mussel Mytilus galloprovincialis during exposure and depuration of microcystins. Journal of Experimental Zoology, 2009, 311A, 226-230.	1.2	26
288	Detection of PlanktothrixÂrubescens (Cyanobacteria) associated with microcystin production in a freshwater reservoir. Hydrobiologia, 2009, 621, 207-211.	1.0	18
289	Accumulation and Effects of Nodularin from a Single and Repeated Oral Doses of Cyanobacterium Nodularia spumigena on Flounder (Platichthys flesus L.). Archives of Environmental Contamination and Toxicology, 2009, 57, 164-173.	2.1	25
290	In vivo genotoxic potential of microcystinâ€LR: A cyanobacterial toxin, investigated both by the unscheduled DNA synthesis (UDS) and the comet assays after intravenous administration. Environmental Toxicology, 2009, 24, 200-209.	2.1	17
291	Identification of Temporal Differentially Expressed Protein Responses to Microcystin in Human Amniotic Epithelial Cells. Chemical Research in Toxicology, 2009, 22, 41-51.	1.7	30
292	Oxidative stress response after prolonged exposure of domestic rabbit to a lower dosage of extracted microcystins. Environmental Toxicology and Pharmacology, 2009, 27, 195-199.	2.0	22
293	Comparative study of the cytotoxic effect of microcistin-LR and purified extracts from Microcystis aeruginosa on a kidney cell line. Toxicon, 2009, 53, 487-495.	0.8	44
294	Involvement of Fas/FasL system in apoptotic signaling in testicular germ cells of male Wistar rats injected i.v. with microcystins. Toxicon, 2009, 54, 1-7.	0.8	44
295	Marine Toxins as Research Tools. Progress in Molecular and Subcellular Biology, 2009, , .	0.9	13

#	Article	IF	Citations
296	Direct Coupling of High-Performance Thin-Layer Chromatography with UV Spectroscopy and IR-MALDI Orthogonal TOF MS for the Analysis of Cyanobacterial Toxins. Analytical Chemistry, 2009, 81, 3858-3866.	3.2	47
297	Liver Toxicity of Chemical Warfare Agents. , 2009, , 549-560.		1
298	Carcinogenic Aspects of Protein Phosphatase 1 and 2A Inhibitors. Progress in Molecular and Subcellular Biology, 2009, 46, 221-254.	0.9	47
299	Freshwater Cyanobacterial Blooms and Primary Liver Cancer Epidemiological Studies in Serbia. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2009, 27, 36-55.	2.9	123
300	Use of an armored RNA standard to measure microcystin synthetase E gene expression in toxic Microcystis sp. by reverseâ€transcription QPCR. Limnology and Oceanography: Methods, 2009, 7, 509-520.	1.0	23
301	Nucleosomal response, immediate-early gene expression and cell transformation. Advances in Enzyme Regulation, 2010, 50, 135-145.	2.9	9
302	Cyanobacterial Cyclopeptides as Lead Compounds to Novel Targeted Cancer Drugs. Marine Drugs, 2010, 8, 629-657.	2.2	68
303	Novel thiazole and oxazole containing cyclic hexapeptides from a waterbloom of the cyanobacterium Microcystis sp.. Tetrahedron, 2010, 66, 2705-2712.	1.0	31
304	Micropeptins from Microcystis aeruginosa collected in Dalton reservoir, Israel. Tetrahedron, 2010, 66, 7429-7436.	1.0	14
305	First evidence of estrogenic potential of the cyanobacterial heptotoxins the nodularin-R and the microcystin-LR in cultured mammalian cells. Journal of Hazardous Materials, 2010, 174, 610-615.	6.5	50
306	The role of organic anion transporting polypeptides (OATPs/SLCOs) in the toxicity of different microcystin congeners in vitro: A comparison of primary human hepatocytes and OATP-transfected HEK293 cells. Toxicology and Applied Pharmacology, 2010, 245, 9-20.	1.3	169
307	Detection and quantification of toxins in cultures of microcystis aeruginosa (pcc 7820) by hplc and protein phosphatase inhibition assayffect of blending various collectors at bulk. African Journal of Science and Technology, 2010, 6, .	0.2	1
308	Molecular Mechanisms of Microcystin Toxicity in Animal Cells. International Journal of Molecular Sciences, 2010, 11, 268-287.	1.8	440
309	On the Chemistry, Toxicology and Genetics of the Cyanobacterial Toxins, Microcystin, Nodularin, Saxitoxin and Cylindrospermopsin. Marine Drugs, 2010, 8, 1650-1680.	2.2	474
310	Differential oxidative stress responses to pure Microcystin-LR and Microcystin-containing and non-containing cyanobacterial crude extracts on Caco-2 cells. Toxicon, 2010, 55, 514-522.	0.8	60
311	Effect of different microcystin profiles on toxin bioaccumulation in common carp (Cyprinus carpio) larvae via Artemia nauplii. Ecotoxicology and Environmental Safety, 2010, 73, 762-770.	2.9	32
312	Microcystin-LR activates the ERK1/2 kinases and stimulates the proliferation of the monkey kidney-derived cell line Vero-E6. Toxicology in Vitro, 2010, 24, 1689-1695.	1.1	44
313	Abrogation of microcystin cytotoxicity by MAP kinase inhibitors and N-acetyl cysteine is confounded by OATPIB1 uptake activity inhibition. Toxicon, 2010, 55, 827-837.	0.8	12

#	Article	IF	Citations
314	Histopathology and microcystin distribution in Lymnaea stagnalis (Gastropoda) following toxic cyanobacterial or dissolved microcystin-LR exposure. Aquatic Toxicology, 2010, 98, 211-220.	1.9	39
315	Marine natural product drug discovery: Leads for treatment of inflammation, cancer, infections, and neurological disorders. Immunopharmacology and Immunotoxicology, 2010, 32, 228-237.	1.1	125
316	Carbon Nanohorn Sensitized Electrochemical Immunosensor for Rapid Detection of Microcystin-LR. Analytical Chemistry, 2010, 82, 1117-1122.	3.2	204
317	Nonprotein l-Amino Acids. , 2010, , 5-70.		2
318	The Use of Proteomics in the Study of Molecular Responses and Toxicity Pathways in Biological Systems. Advances in Molecular Toxicology, 2011, 5, 45-109.	0.4	4
319	Construction and analysis of liver suppression subtractive hybridization library of silver carp (Hypophthalmichthys molitrix) intraperitoneally injected with microcystin-LR. Aquatic Toxicology, 2011, 105, 151-156.	1.9	8
320	Deposit-feeders accumulate the cyanobacterial toxin nodularin. Harmful Algae, 2011, 12, 77-81.	2.2	14
321	A Cyanobacterial Toxin, Microcystin-LR, Induces Apoptosis of Sertoli Cells by Changing the Expression Levels of Apoptosis-Related Proteins. Tohoku Journal of Experimental Medicine, 2011, 224, 235-242.	0.5	28
322	Induction of Fas receptor and Fas ligand by nodularin is mediated by NF-ÎºB in HepG2 cells. Toxicology and Applied Pharmacology, 2011, 251, 245-252.	1.3	9
323	Genotoxicity and potential carcinogenicity of cyanobacterial toxins â€“ a review. Mutation Research - Reviews in Mutation Research, 2011, 727, 16-41.	2.4	259
324	Cyanobacteria-/cyanotoxin-contaminations and eutrophication status before Wuxi Drinking Water Crisis in Lake Taihu, China. Journal of Environmental Sciences, 2011, 23, 575-581.	3.2	93
325	Effect of microcystin-LR on protein phosphatase 2A and its function in human amniotic epithelial cells. Journal of Zhejiang University: Science B, 2011, 12, 951-960.	1.3	32
326	The apoptotic effect of oral administration of microcystinâ€RR on mice liver. Environmental Toxicology, 2011, 26, 443-452.	2.1	13
327	Redox Mechanisms of Nodularin and Chemically Degraded Nodularin. Electroanalysis, 2011, 23, 2310-2319.	1.5	5
328	Adsorption of microcystin-Lr onto iron oxide nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 373, 94-100.	2.3	47
329	Tumor Promoters - Microcystin-LR, Nodularin and TNF-α and Human Cancer Development. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 4-18.	0.9	75
330	Advances in Application of Natural Clay and Its Composites in Removal of Biological, Organic, and Inorganic Contaminants from Drinking Water. Advances in Materials Science and Engineering, 2011, 2011, 1-17.	1.0	207
331	The Regulation of Microcystin Biosynthesis Pathways and Genetic Mechanisms. Turk Hijiyen Ve Deneysel Biyoloji Dergisi Turkish Bulletin of Hygiene and Experimental Biology, 2012, 69, 169-178.	0.1	0

#	Article	IF	Citations
332	Comparative Cellular Toxicity of Hydrophilic and Hydrophobic Microcystins on Caco-2 Cells. Toxins, 2012, 4, 1008-1023.	1.5	80
333	Palytoxin and Other Microalgal Toxins Belonging to Different Chemical Classes Induce Cytotoxic Effects Involving a Common Set of Stress Response Proteins. Cryptogamie, Algologie, 2012, 33, 99-103.	0.3	1
334	Protein phosphatases and their regulation in the control of mitosis. EMBO Reports, 2012, 13, 197-203.	2.0	91
335	Cyanophage Infection in the Bloom-Forming Cyanobacteria <i>Microcystis aeruginosa</i> in Surface Freshwater. Microbes and Environments, 2012, 27, 350-355.	0.7	50
336	CHAPTER CIRCADIAN RHYTHMS. , 2012, , 313-345.		0
337	Highly sensitive detection and discrimination of LR and YR microcystins based on protein phosphatases and an artificial neural network. Analytical and Bioanalytical Chemistry, 2012, 404, 711-720.	1.9	14
338	Metabolic Response to Oral Microcystin-LR Exposure in the Rat by NMR-Based Metabonomic Study. Journal of Proteome Research, 2012, 11, 5934-5946.	1.8	41
339	Destruction of microcystins by conventional and advanced oxidation processes: A review. Separation and Purification Technology, 2012, 91, 3-17.	3.9	180
340	Bioactive Natural Products from Papua New Guinea Marine Sponges. Chemistry and Biodiversity, 2012, 9, 2077-2095.	1.0	20
341	Detection and quantification of major toxigenic Microcystis genotypes in Moo-Tan reservoir and associated water treatment plant. Journal of Environmental Monitoring, 2012, 14, 687.	2.1	18
342	Recent trends in development of biosensors for detection of microcystin. Toxicon, 2012, 60, 878-894.	0.8	79
343	The Cyanobacterial Cyclic Lipopeptides Puwainaphycins F/G Are Inducing Necrosis via Cell Membrane Permeabilization and Subsequent Unusual Actin Relocalization. Chemical Research in Toxicology, 2012, 25, 1203-1211.	1.7	30
344	Investigation of aMicrocystis aeruginosacyanobacterial freshwater harmful algal bloom associated with acute microcystin toxicosis in a dog. Journal of Veterinary Diagnostic Investigation, 2012, 24, 679-687.	0.5	45
345	Quantitatively evaluating detoxification of the hepatotoxic microcystins through the glutathione and cysteine pathway in the cyanobacteria-eating bighead carp. Aquatic Toxicology, 2012, 116-117, 61-68.	1.9	31
346	Bioaccumulation, oxidative stress and HSP70 expression in Cyprinus carpio L. exposed to microcystin-LR under laboratory conditions. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 483-490.	1.3	31
347	A liquid chromatographyâ€“tandem mass spectrometry method for the determination of nodularin-R in human plasma and its preliminary clinical application. Clinica Chimica Acta, 2012, 413, 894-900.	0.5	6
348	Informatic strategies for the discovery of polyketides and nonribosomal peptides. MedChemComm, 2012, 3, 932-937.	3.5	8
349	First Report of a Toxic Nodularia spumigena (Nostocales/ Cyanobacteria) Bloom in Sub-Tropical Australia. I. Phycological and Public Health Investigations. International Journal of Environmental Research and Public Health, 2012, 9, 2396-2411.	1.2	30

#	Article	IF	Citations
350	A protein binding to an upstream sequence of ftsZ involved in coordination of DNA replication and cell division in Microcystis aeruginosa. Fisheries Science, 2012, 78, 375-379.	0.7	1
351	Biomonitoring genotoxicity and cytotoxicity of Microcystis aeruginosa (Chroococcales,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	3.9	53
352	Human and rat hepatocyte toxicity and protein phosphatase 1 and 2A inhibitory activity of naturally occurring desmethyl-microcystins and nodularins. Toxicology, 2012, 293, 59-67.	2.0	80
353	Use of chlorophyll a fluorescence to detect the effect of microcystins on photosynthesis and photosystem II energy fluxes of green algae. Toxicon, 2012, 59, 567-577.	0.8	36
354	DNA â€“ Cyanobacterial Hepatotoxins Microcystinâ€LR and Nodularin Interaction: Electrochemical Evaluation. Electroanalysis, 2012, 24, 547-553.	1.5	38
355	Protein Ser/â€ŠThr phosphatases â€“ the ugly ducklings of cell signalling. FEBS Journal, 2013, 280, 324-325.	2.2	194
356	Toxicological evaluation of microcystins in aquatic fish species: Current knowledge and future directions. Aquatic Toxicology, 2013, 142-143, 1-16.	1.9	67
357	Determination of microcystins and nodularin (cyanobacterial toxins) in water by LCâ€“MS/MS. Monitoring of Lake Marathonas, a water reservoir of Athens, Greece. Journal of Hazardous Materials, 2013, 263, 105-115.	6.5	71
358	Cyanotoxins: Characteristics, production and degradation routes in drinking water treatment with reference to the situation in Serbia. Chemosphere, 2013, 91, 421-441.	4.2	84
359	Why mammals more susceptible to the hepatotoxic microcystins than fish: evidences from plasma and albumin protein binding through equilibrium dialysis. Ecotoxicology, 2013, 22, 1012-1019.	1.1	19
360	Microcystin (-LR) induced testicular cell apoptosis via up-regulating apoptosis-related genes in vivo. Food and Chemical Toxicology, 2013, 60, 309-317.	1.8	34
361	Methods and Approaches Used for Detection of Cyanotoxins in Environmental Samples: A Review. Critical Reviews in Environmental Science and Technology, 2013, 43, 1349-1383.	6.6	75
362	Epidemiology of Primary Liver Cancer in Serbia and Possible Connection With Cyanobacterial Blooms. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2013, 31, 181-200.	2.9	58
363	Accumulation and detoxification dynamic of cyanotoxins in the freshwater shrimp Palaemonetes argentinus. Harmful Algae, 2013, 27, 88-97.	2.2	41
364	In vitro and in vivo toxicity evaluation of the freshwater cyanobacterium Heteroleiblenia kuetzingii. Open Life Sciences, 2013, 8, 1216-1229.	0.6	1
365	Biomarkers of prolonged exposure to microcystin-LR in mice. Toxicon, 2013, 68, 9-17.	0.8	31
366	Nodularins in poisoning. Clinica Chimica Acta, 2013, 425, 18-29.	0.5	53
367	Tumor promoters: from chemicals to inflammatory proteins. Journal of Cancer Research and Clinical Oncology, 2013, 139, 1603-1614.	1.2	51

#	Article	IF	Citations
368	Hepatotoxicity of Herbals and Dietary Supplements. , 2013, , 631-657.		12
369	Determination of microcystin-LR in water by a label-free aptamer based electrochemical impedance biosensor. Talanta, 2013, 103, 371-374.	2.9	78
370	Management of a Toxic Cyanobacterium Bloom (Planktothrix rubescens) Affecting an Italian Drinking Water Basin: A Case Study. Environmental Science & Technology, 2013, 47, 574-583.	4.6	37
371	PCR primers for selective detection of intra-species variations in the bloom-forming cyanobacterium, Microcystis. Harmful Algae, 2013, 23, 46-54.	2.2	14
372	Magnetic Particle-Based Enzyme Assays and Immunoassays for Microcystins: From Colorimetric to Electrochemical Detection.. Environmental Science & Technology, 2013, 47, 471-478.	4.6	40
373	Integrated Histopathological and Urinary Metabonomic Investigation of the Pathogenesis of Microcystin-LR Toxicosis. Veterinary Pathology, 2013, 50, 159-171.	0.8	16
374	Viewing serine/threonine protein phosphatases through the eyes of drug designers. FEBS Journal, 2013, 280, 4739-4760.	2.2	62
375	Identification of Dynamic Changes in Proteins Associated with the Cellular Cytoskeleton after Exposure to Okadaic Acid. Marine Drugs, 2013, 11, 1763-1782.	2.2	28
376	The Kidney Vero-E6 Cell Line: A Suitable Model to Study the Toxicity of Microcystins. , 0, , .		10
377	Microcystin-LR Induced Reactive Oxygen Species Mediate Cytoskeletal Disruption and Apoptosis of Hepatocytes in Cyprinus carpio L.. PLoS ONE, 2013, 8, e84768.	1.1	33
378	Genotoxicity of Microcystin-LR inIn VitroandIn VivoExperimental Models. BioMed Research International, 2014, 2014, 1-9.	0.9	25
379	Freshwater cyanotoxins. , 2014, , 539-548.		4
380	Epidemiology of Cancers in Serbia and Possible Connection with Cyanobacterial Blooms. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2014, 32, 319-337.	2.9	44
381	Low inÂvitro permeability of the cyanotoxin microcystin-LR across a Caco-2 monolayer: With identification of the limiting factors using modelling. Toxicon, 2014, 91, 5-14.	0.8	11
382	Cumulative effects of exposure to cyanobacteria bloom extracts and benzo[a]pyrene on antioxidant defence biomarkers in Gammarus oceanicus (Crustacea: Amphipoda). Toxicon, 2014, 78, 68-77.	0.8	17
383	Ser/thr phosphatases tonically attenuate the ERK-dependent pressor effect of ethanol in the rostral ventrolateral medulla in normotensive rats. Brain Research, 2014, 1577, 21-28.	1.1	4
384	Contamination of water resources by pathogenic bacteria. AMB Express, 2014, 4, 51.	1.4	467
385	Micropeptins from Microcystis sp. collected in Kabul Reservoir, Israel. Tetrahedron, 2014, 70, 936-943.	1.0	11

#	Article	IF	Citations
386	Inhibition equivalency factors for microcystin variants in recombinant and wild-type protein phosphatase 1 and 2A assays. Environmental Science and Pollution Research, 2014, 21, 10652-10660.	2.7	18
387	Taxonomic assessment of a toxic cyanobacteria shift in hypereutrophic Grand Lake St. Marys (Ohio,) Tj ETQq1 1 0.784314 rgBT /Over	2.2	26
388	Glutathione Transferases Responses Induced by Microcystin-LR in the Gills and Hepatopancreas of the Clam Venerupis philippinarum. Toxins, 2015, 7, 2096-2120.	1.5	22
389	Bloom Dynamics of Cyanobacteria and Their Toxins: Environmental Health Impacts and Mitigation Strategies. Frontiers in Microbiology, 2015, 6, 1254.	1.5	203
390	Cyanobacterial (Blue-Green Algae) Toxins. , 2015, , 421-429.		19
391	Liver Toxicity of Chemical Warfare Agents. , 2015, , 615-626.		0
392	Feasibility study on production of a matrix reference material for cyanobacterial toxins. Analytical and Bioanalytical Chemistry, 2015, 407, 5353-5363.	1.9	22
393	Microcystin-LR produced by bacterial algae: Optical detection and purification of contaminated substances. Sensors and Actuators B: Chemical, 2015, 209, 1070-1076.	4.0	8
394	Toxicopathology Induced by Microcystins and Nodularin: AÂHistopathological Review. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2015, 33, 125-167.	2.9	30
395	The Effect of Cyanobacterial Biomass Enrichment by Centrifugation and GF/C Filtration on Subsequent Microcystin Measurement. Toxins, 2015, 7, 821-834.	1.5	10
396	Oxidative stress and histopathological alterations in liver of Cyprinus carpio L. induced by intraperitoneal injection of microcystin-LR. Ecotoxicology, 2015, 24, 511-519.	1.1	22
397	Development of a real-time PCR assay for the quantification of Ma-LMM01-type Microcystis cyanophages in a natural pond. Letters in Applied Microbiology, 2015, 60, 400-408.	1.0	8
398	Hepatic and intestine alterations in mice after prolonged exposure to low oral doses of Microcystin-LR. Toxicon, 2015, 104, 26-33.	0.8	49
399	Microcystin-LR-induced cytotoxicity and apoptosis in human embryonic kidney and human kidney adenocarcinoma cell lines. Microbiology (United Kingdom), 2015, 161, 819-828.	0.7	35
400	A sensitive electrochemical DNA biosensor for Microcystis spp. sequence detection based on an Ag@Au NP composite film. Analytical Methods, 2015, 7, 2993-2999.	1.3	7
401	Effect of the Microcystin-Producing Cyanobacterium,Microcystis aeruginosa, on Immune Functions of the Zebra MusselDreissena polymorpha. Journal of Shellfish Research, 2015, 34, 433-442.	0.3	13
402	Microcystin-LR impairs zebrafish reproduction by affecting oogenesis and endocrine system. Chemosphere, 2015, 120, 115-122.	4.2	66
403	Identification of the Toxic Pentapeptide Nodularin in a Cyanobacterial Bloom in a Shrimp Farm in South American Atlantic Coast. Pharmaceutica Analytica Acta, 2016, 07, .	0.2	0

#	Article	IF	Citations
404	Draft Genome Assembly of the Bloom-Forming Cyanobacterium Nodularia spumigena Strain CENA596 in Shrimp Production Ponds. Genome Announcements, 2016, 4, .	0.8	24
405	Chemical proteomic analysis of the potential toxicological mechanisms of microcystin-RR in zebrafish (Danio rerio) liver. Environmental Toxicology, 2016, 31, 1206-1216.	2.1	8
406	Review and analysis of occurrence, exposure and toxicity of cyanobacteria toxins in food. EFSA Supporting Publications, 2016, 13, .	0.3	60
407	Microcystin-LR induces dysfunction of insulin secretion in rat insulinoma (INS-1) cells: Implications for diabetes mellitus. Journal of Hazardous Materials, 2016, 314, 11-21.	6.5	21
408	Disposable poly (o-aminophenol)-carbon nanotubes modified screen print electrode-based enzyme sensor for electrochemical detection of marine toxin okadaic acid. Sensors and Actuators B: Chemical, 2016, 235, 170-178.	4.0	30
409	Nodularin induces tumor necrosis factor-alpha and mitogen-activated protein kinases (MAPK) and leads to induction of endoplasmic reticulum stress. Toxicology and Applied Pharmacology, 2016, 300, 25-33.	1.3	12
410	Microcystin-LR causes sexual hormone disturbance in male rat by targeting gonadotropin-releasing hormone neurons. Toxicon, 2016, 123, 45-55.	0.8	18
412	Influence of captopril on the cellular uptake and toxic potential of microcystin-LR in non-hepatic adhesive cell lines. Toxicon, 2016, 111, 50-57.	0.8	12
413	A molybdenum disulfide/gold nanorod composite-based electrochemical immunosensor for sensitive and quantitative detection of microcystin-LR in environmental samples. Sensors and Actuators B: Chemical, 2017, 244, 606-615.	4.0	58
414	Toxicological Assessment of Microcystinâ€LR to Zebrafish (Danio rerio) Using Metabolomics. Bulletin of the Korean Chemical Society, 2017, 38, 459-465.	1.0	7
415	Water metabolism dysfunction via renin-angiotensin system activation caused by liver damage in mice treated with microcystin-RR. Toxicology Letters, 2017, 273, 86-96.	0.4	7
416	Quantitative analysis of glutathione and cysteine S-conjugates of microcystin-LR in the liver, kidney and muscle of common carp (Cyprinus carpio) in Lake Taihu. Journal of Water and Health, 2017, 15, 300-307.	1.1	6
417	Iningainema pulvinus gen nov., sp nov. (Cyanobacteria, Scytonemataceae) a new nodularin producer from Edgbaston Reserve, north-eastern Australia. Harmful Algae, 2017, 62, 10-19.	2.2	40
418	Mechanisms underlying degradation pathways of microcystin-LR with doped TiO2 photocatalysis. Chemical Engineering Journal, 2017, 330, 355-371.	6.6	66
419	Analysis of microcystin-LR and nodularin using triple quad liquid chromatography-tandem mass spectrometry and histopathology in experimental fish. Toxicon, 2017, 138, 82-88.	0.8	12
420	Cyanobacterial Toxins of the Laurentian Great Lakes, Their Toxicological Effects, and Numerical Limits in Drinking Water. Marine Drugs, 2017, 15, 160.	2.2	62
421	Rapid and Highly Sensitive Non-Competitive Immunoassay for Specific Detection of Nodularin. Microorganisms, 2017, 5, 58.	1.6	11
422	Variable Cyanobacterial Toxin and Metabolite Profiles across Six Eutrophic Lakes of Differing Physiochemical Characteristics. Toxins, 2017, 9, 62.	1.5	71

#	Article	IF	Citations
423	PAHs would alter cyanobacterial blooms by affecting the microcystin production and physiological characteristics of Microcystis aeruginosa. Ecotoxicology and Environmental Safety, 2018, 157, 134-142.	2.9	29
424	Microcystin-LR degradation utilizing a novel effective indigenous bacterial community YFMCD1 from Lake Taihu. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 184-193.	1.1	38
425	Mode of Action and Toxicity of Major Cyanobacterial Toxins and Corresponding Chemical Variants. Toxinology, 2018, , 441-464.	0.2	2
426	Developmental neurotoxicity of Microcystis aeruginosa in the early life stages of zebrafish. Ecotoxicology and Environmental Safety, 2018, 151, 35-41.	2.9	39
427	Bio- and Nanosorbents from Natural Resources. Springer Series on Polymer and Composite Materials, 2018, , .	0.5	0
428	The effects of extracellular polymeric substances on magnetic iron oxide nanoparticles stability and the removal of microcystin-LR in aqueous environments. Ecotoxicology and Environmental Safety, 2018, 148, 89-96.	2.9	14
429	Mechanisms and Effects Posed by Neurotoxic Products of Cyanobacteria/Microbial Eukaryotes/Dinoflagellates in Algae Blooms: a Review. Neurotoxicity Research, 2018, 33, 153-167.	1.3	38
430	Marine natural product peptides with therapeutic potential: Chemistry, biosynthesis, and pharmacology. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 81-196.	1.1	111
431	Application of Biomaterials for Elimination of Damaging Contaminants from Aqueous Media. Springer Series on Polymer and Composite Materials, 2018, , 145-160.	0.5	0
432	2.Protein Phosphatases: Classification And Domain Architecture. , 2018, , 35-88.		0
433	The concept of the okadaic acid class of tumor promoters is revived in endogenous protein inhibitors of protein phosphatase 2A, SET and CIP2A, in human cancers. Journal of Cancer Research and Clinical Oncology, 2018, 144, 2339-2349.	1.2	31
434	Oxidation of Microcystins by Permanganate: pH and Temperature-Dependent Kinetics, Effect of DOM Characteristics, and Oxidation Mechanism Revisited. Environmental Science & Technology, 2018, 52, 7054-7063.	4.6	39
435	LexA Binds to Transcription Regulatory Site of Cell Division Gene ftsZ in Toxic Cyanobacterium Microcystis aeruginosa. Marine Biotechnology, 2018, 20, 549-556.	1.1	1
436	Cyanobacterial blooms. Nature Reviews Microbiology, 2018, 16, 471-483.	13.6	1,671
437	Liver Transcriptome and miRNA Analysis of Silver Carp (Hypophthalmichthys molitrix) Intraperitoneally Injected With Microcystin-LR. Frontiers in Physiology, 2018, 9, 381.	1.3	17
438	Electrochemical Biosensing of Algal Toxins in Water: The Current State-of-the-Art. ACS Sensors, 2018, 3, 1233-1245.	4.0	40
439	Role of Alcohol Oxidative Metabolism in Its Cardiovascular and Autonomic Effects. Advances in Experimental Medicine and Biology, 2019, 1193, 1-33.	0.8	18
440	Global geographical and historical overview of cyanotoxin distribution and cyanobacterial poisonings. Archives of Toxicology, 2019, 93, 2429-2481.	1.9	230

#	Article	IF	Citations
441	Tartrate-resistant phosphatase type 5 inÂTrypanosoma cruziÂis important for resistance to oxidative stress promoted by hydrogen peroxide. Experimental Parasitology, 2019, 205, 107748.	0.5	7
442	Chronic Low Dose Oral Exposure to Microcystin-LR Exacerbates Hepatic Injury in a Murine Model of Non-Alcoholic Fatty Liver Disease. Toxins, 2019, 11, 486.	1.5	30
443	Cooccurrence of Broad- and Narrow-Host-Range Viruses Infecting the Bloom-Forming Toxic Cyanobacterium Microcystis aeruginosa. Applied and Environmental Microbiology, 2019, 85, .	1.4	15
444	Heterologous expression and biochemical characterisation of cyanotoxin biosynthesis pathways. Natural Product Reports, 2019, 36, 1117-1136.	5.2	16
445	Molecular effects of Microcystin-LA in tilapia (Oreochromis niloticus). Toxicon, 2019, 166, 76-82.	0.8	2
446	An aptamer based fluorometric microcystin-LR assay using DNA strand-based competitive displacement. Mikrochimica Acta, 2019, 186, 435.	2.5	22
447	Point-of-need detection of microcystin-LR using a smartphone-controlled electrochemical analyzer. Sensors and Actuators B: Chemical, 2019, 294, 132-140.	4.0	40
448	Automated Subdaily Sampling of Cyanobacterial Toxins on a Buoy Reveals New Temporal Patterns in Toxin Dynamics. Environmental Science & Technology, 2019, 53, 5661-5670.	4.6	18
449	Neurotoxicity induced by microcystins and cylindrospermopsin: A review. Science of the Total Environment, 2019, 668, 547-565.	3.9	82
450	Novel Microcystins from Planktothrix prolifica NIVA-CYA 544 Identified by LC-MS/MS, Functional Group Derivatization and 15N-labeling. Marine Drugs, 2019, 17, 643.	2.2	16
451	Structural Diversity, Characterization and Toxicology of Microcystins. Toxins, 2019, 11, 714.	1.5	245
452	Genotoxic effects of the cyanobacterial pentapeptide nodularin in HepG2 cells. Food and Chemical Toxicology, 2019, 124, 349-358.	1.8	9
453	Î¼Evaluation of microcystin-LR absorption using an in vivo intestine model and its effect on zebrafish intestine. Aquatic Toxicology, 2019, 206, 186-194.	1.9	26
454	Cytotoxic and morphological effects of microcystinâ€LR, cylindrospermopsin, and their combinations on the human hepatic cell line HepG2. Environmental Toxicology, 2019, 34, 240-251.	2.1	21
455	Cyanobacteria: Applications in Biotechnology. , 2019, , 327-346.		26
456	Higher intestinal and circulatory lactate associated NOX2 activation leads to an ectopic fibrotic pathology following microcystin co-exposure in murine fatty liver disease. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 238, 108854.	1.3	8
457	Recent developments in the methods of quantitative analysis of microcystins. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22582.	1.4	23
458	Toxicity of chlorinated algal-impacted waters: Formation of disinfection byproducts vs. reduction of cyanotoxins. Water Research, 2020, 184, 116145.	5.3	33

#	Article	IF	Citations
459	Global transcriptomic profiling of microcystin-LR or -RR treated hepatocytes (HepaRG). Toxicon: X, 2020, 8, 100060.	1.2	6
460	Aptasensor Based on MoS₂ Quantum Dots with Upconversion Fluorescence for Microcystin-LR Detection via the Inner Filter Effect. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	9
461	A prospective longitudinal study on the microbiota composition in amyotrophic lateral sclerosis. BMC Medicine, 2020, 18, 153.	2.3	78
462	Comparative genomics analysis of c-di-GMP metabolism and regulation in Microcystis aeruginosa. BMC Genomics, 2020, 21, 217.	1.2	4
463	Liver toxicity of chemical warfare agents. , 2020, , 659-671.		0
464	The effects of shortâ€term treatment of microcystinâ€LR on the insulin pathway in both the HL7702 cell line and livers of mice. Environmental Toxicology, 2020, 35, 727-737.	2.1	4
465	Genomic and Metabolomic Analyses of Natural Products in Nodularia spumigena Isolated from a Shrimp Culture Pond. Toxins, 2020, 12, 141.	1.5	8
466	Development and Application of Extraction Methods for LC-MS Quantification of Microcystins in Liver Tissue. Toxins, 2020, 12, 263.	1.5	13
467	Investigation of In Vitro Endocrine Activities of Microcystis and Planktothrix Cyanobacterial Strains. Toxins, 2020, 12, 228.	1.5	14
468	Microcystinase â€“ a review of the natural occurrence, heterologous expression, and biotechnological application of MlrA. Water Research, 2021, 189, 116646.	5.3	18
469	Neurotoxic Cyanobacterial Toxins. , 2021, , 1-28.		0
470	De Novo Profiling of Long Non-Coding RNAs Involved in MC-LR-Induced Liver Injury in Whitefish: Discovery and Perspectives. International Journal of Molecular Sciences, 2021, 22, 941.	1.8	2
471	Permeability of the Cyanotoxin Microcystin-RR across a Caco-2 Cells Monolayer. Toxins, 2021, 13, 178.	1.5	6
473	Rapid Changes in the Phytoplankton Community of a Subtropical, Shallow, Hypereutrophic Lake During the Rainy Season. Frontiers in Microbiology, 2021, 12, 617151.	1.5	22
474	Seasonal Dynamics Are the Major Driver of Microbial Diversity and Composition in Intensive Freshwater Aquaculture. Frontiers in Microbiology, 2021, 12, 679743.	1.5	11
475	Light-driven breakdown of microcystin-LR in water: A critical review. Chemical Engineering Journal, 2021, 417, 129244.	6.6	31
476	Cytotoxic and Antibiotic Properties of Cyanobacterial Extracts. , 2022, , 23-34.		2
477	Electrochemical Biosensing of Algal Toxins. Environmental and Microbial Biotechnology, 2021, , 227-252.	0.4	1

#	Article	IF	Citations
479	Algal Toxins and Human Health. Handbook of Environmental Chemistry, 1998, , 53-82.	0.2	42
480	Regulation of signal transduction pathways by peptide toxins. , 1994, , 577-579.		3
481	A mutant of protein phosphatase-1 that exhibits altered toxin sensitivity.. Journal of Biological Chemistry, 1994, 269, 16997-17000.	1.6	63
482	Characterization of microcystin-LR, a potent inhibitor of type 1 and type 2A protein phosphatases.. Journal of Biological Chemistry, 1990, 265, 19401-19404.	1.6	515
483	Identification, purification, and characterization of a novel serine/threonine protein phosphatase from bovine brain.. Journal of Biological Chemistry, 1991, 266, 6614-6619.	1.6	86
484	Structure of Hierridin C, Synthesis of Hierridins B and C, and Evidence for Prevalent Alkylresorcinol Biosynthesis in Picocyanobacteria. Journal of Natural Products, 2019, 82, 393-402.	1.5	17
486	Toxicity and toxins of natural blooms and isolated strains of Microcystis spp. (Cyanobacteria) and improved procedure for purification of cultures. Applied and Environmental Microbiology, 1991, 57, 1241-1245.	1.4	67
487	Isolation and characterization of a variety of microcystins from seven strains of the cyanobacterial genus Anabaena. Applied and Environmental Microbiology, 1992, 58, 2495-2500.	1.4	140
488	Isolation and identification of eight microcystins from thirteen Oscillatoria agardhii strains and structure of a new microcystin. Applied and Environmental Microbiology, 1993, 59, 2204-2209.	1.4	116
489	Enzymatic pathway for the bacterial degradation of the cyanobacterial cyclic peptide toxin microcystin LR. Applied and Environmental Microbiology, 1996, 62, 4086-4094.	1.4	347
490	Evidence for paralytic shellfish poisons in the freshwater cyanobacterium Lyngbya wollei (Farlow ex) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	208
491	Detection and Analysis of Cylindrospermopsins and Microcystins. , 2004, , 185-211.		1
493	Mechanism and Reaction Pathways for Microcystin-LR Degradation through UV/H2O2 Treatment. PLoS ONE, 2016, 11, e0156236.	1.1	13
494	Microcystins and Microcystis aeruginosa PCC7806 extracts modulate steroidogenesis differentially in the human H295R adrenal model. PLoS ONE, 2020, 15, e0244000.	1.1	6
495	Examination of microcystin neurotoxicity using central and peripheral human neurons. ALTEX: Alternatives To Animal Experimentation, 2021, 38, 73-81.	0.9	4
496	The Toxins of Cyanobacteria. Acta Medica (Hradec Kralove), 2001, 44, 69-75.	0.2	10
497	Testing of Toxicity in Cyanobacteria by Cellular Assays. , 1994, , 75-84.		6
498	A Sensitive Bioscreen for Detection of Cyclic Peptide Toxins of the Microcystin Class. , 1994, , 85-89.		1

#	Article	IF	Citations
499	A review on the studies related to the effects of microcystins on human health. Hupo Kexue/Journal of Lake Sciences, 2009, 21, 603-613.	0.3	1
500	Modeling total microcystin production by Microcystis aeruginosa using multiple regression. Journal of Water Supply: Research and Technology - AQUA, 2020, 69, 415-426.	0.6	4
501	An Overview of the Mechanisms of Microcystin-LR Genotoxicity and Potential Carcinogenicity. Mini-Reviews in Medicinal Chemistry, 2016, 16, 1042-1062.	1.1	60
502	Biochemical Characteristics of Microcystin LR Degradation by Typical Protease. Japanese Journal of Water Treatment Biology, 2006, 42, 27-35.	0.2	13
503	Effect of Microcystin Produced from Blue-green Algae Microcystis aeruginosa on Animal-plant in Agricultural Area and Its Countermeasures during Irrigation. Japanese Journal of Water Treatment Biology, 2014, 50, 43-51.	0.2	1
504	Phosphorylase phosphatase: new horizons for an old enzyme. Frontiers in Bioscience - Landmark, 1999, 4, d270.	3.0	28
505	Transfer of nodularin to the copepod Eurytemora affinis through the microbial food web. Aquatic Microbial Ecology, 2009, 55, 115-130.	0.9	22
506	Hepatitis B virus x gene and cyanobacterial toxins promote aflatoxin B₁-induced hepatotumorigenesis in mice. World Journal of Gastroenterology, 2006, 12, 3065.	1.4	34
507	Microcystin Levels in Selected Cyanobacteria Exposed to Varying Salinity. Journal of Water Resource and Protection, 2019, 11, 395-403.	0.3	5
508	EFEITO DE DIFERENTES CONCENTRAÃ‡Ã•ES DE CARBONO ORGÃ‚NICO DISSOLVIDO E BACTÃ‰RIAS NA DEGRADAÃ‡ÃƒO DE MICROCISTINAS (CIANOTOXINA). Oecologia Australis, 2009, 13, 402-412.	0.1	3
509	Production and Characterization of Monoclonal Antibodies against Microcystin LR. Bulletin of the Korean Chemical Society, 2003, 24, 126-128.	1.0	5
510	Microcystin Detection Characteristics of Fluorescence Immunochromatography and High Performance Liquid Chromatography. Bulletin of the Korean Chemical Society, 2005, 26, 268-272.	1.0	8
511	Quantitative Analysis of Microcystins, Cyanobacterial Toxins in Soyang Lake. Journal of the Korean Chemical Society, 2002, 46, 535-540.	0.2	11
512	Do toxic cyanobacteria blooms pose a threat to the Baltic ecosystem?. Oceanologia, 2009, 51, 293-319.	1.1	34
513	New Insights into Toxicity and Drug Testing. , 2013, , .		6
514	Chemistry and Toxicology of Microcystins as Blue-Green Algal Toxins.. Journal of Environmental Chemistry, 1992, 2, 457-477.	0.1	7
515	Cyanobacterial Toxicity and Human Exposure. , 2001, , 178-238.		0
516	Cyanobacteria. , 2004, , 61-70.		0

#	Article	IF	Citations
517	A Study on the Degradation of Cyanobacterial Toxin, Microcystin LR Using Chemical Oxidants. Journal of the Korean Chemical Society, 2004, 48, 467-472.	0.2	0
518	Detection and Analysis of Cylindrospermopsins and Microcystins. , 2004, , 199-225.		0
519	Microcystin Toxicity. , 2004, , 109-139.		0
520	TOXIC EFFECTS OF <I>MICROCYSTIS</I> CELL EXTRACTS CONTAINING MICROCYSTIN-LR ON THE BLOOD OF MICE. Acta Hydrobiologica Sinica, 2009, 32, 811-817.	0.1	0
521	Protein phosphatases and their regulation in the control of mitosis. EMBO Reports, 0, , .	2.0	1
522	2012-3 Vol: 69 Full Printed Journal. Turk Hijiyen Ve Deneysel Biyoloji Dergisi Turkish Bulletin of Hygiene and Experimental Biology, 2012, 69, 0-0.	0.1	0
523	Nodularin. , 2014, , 1-4.		0
525	HUMAN HEALTH ASPECTS. , 1999, , 133-174.		47
526	Effects of Cyanotoxins: Sea and Freshwater Toxins. , 2015, , 1-16.		0
527	Effects of Cyanotoxins: Sea and Freshwater Toxins. , 2016, , 239-258.		0
528	Electrochemical Process for Phosphorus Recovery from Water Treatment Plants. , 2016, , 113-128.		0
529	Mode of Action and Toxicity of Major Cyanobacterial Toxins and Corresponding Chemical Variants. , 2016, , 1-24.		0
530	Nodularin. , 2017, , 3113-3116.		0
531	Toxicological Studies on Microcystin Produced by Microcystis aeruginosa : Assessment and Management. Egyptian Journal of Botany, 2019, .	0.1	2
532	Examination of microcystin neurotoxicity using central and peripheral human neurons_suppl2. ALTEX: Alternatives To Animal Experimentation, 0, , .	0.9	0
534	Examination of microcystin neurotoxicity using central and peripheral human neurons_suppl. ALTEX: Alternatives To Animal Experimentation, 0, , .	0.9	0
535	Microcystin-Induced Immunotoxicity in Fishes: A Scoping Review. Toxins, 2021, 13, 765.	1.5	15
536	Speculation and Hoopla: Is Diversity Expected in Cyanobacterial Circadian Timing Systems?. , 2009, , 19-37.		0

#	Article	IF	Citations
542	N-acetylcysteine protects Chinese Hamster ovary cells from oxidative injury and apoptosis induced by microcystin-LR. International Journal of Clinical and Experimental Medicine, 2015, 8, 4911-21.	1.3	10
545	The detoxification activities and mechanisms of microcystinase towards MC-LR. Ecotoxicology and Environmental Safety, 2022, 236, 113436.	2.9	15
547	Antioxidant Therapy Significantly Attenuates Hepatotoxicity following Low Dose Exposure to Microcystin-LR in a Murine Model of Diet-Induced Non-Alcoholic Fatty Liver Disease. Antioxidants, 2022, 11, 1625.	2.2	6
548	Algicidal activity of Morganella morganii against axenic and environmental strains of Microcystis aeruginosa: Compound combination effects. Chemosphere, 2022, 309, 136609.	4.2	5
549	Neurotoxic Cyanobacterial Toxins. , 2022, , 1007-1034.		0
550	Reconstitution and expression of mcy gene cluster in the model cyanobacterium Synechococcus 7942 reveals a role of <scp>MCâ€LR</scp> in cell division. New Phytologist, 2023, 238, 1101-1114.	3.5	5
551	Determination of Microcystins in Fish Tissue by ELISA and MALDI-TOF MS Using a Highly Specific Single Domain Antibody. Toxins, 2023, 15, 84.	1.5	1
552	Ecological Dynamics of Broad- and Narrow-Host-Range Viruses Infecting the Bloom-Forming Toxic Cyanobacterium Microcystis aeruginosa. Applied and Environmental Microbiology, 0, , .	1.4	0
553	Plants and Small Molecules: An Up-and-Coming Synergy. Plants, 2023, 12, 1729.	1.6	3