Kaarina Sivonen

List of Publications by Year
in descending order

192 papers	16,743 citations	14614 66 h-index	17055 122 g-index
208 all docs	208 docs citations	208 times ranked	11067 citing authors

#	Article	IF	Citations
1	Discovery of varlaxins, new aeruginosin-type inhibitors of human trypsins. Organic and Biomolecular Chemistry, 2022, 20, 2681-2692.	1.5	8
2	Fatty Acid Substitutions Modulate the Cytotoxicity of Puwainaphycins/Minutissamides Isolated from the Baltic Sea Cyanobacterium <i>Nodularia harveyana</i> UHCC-0300. ACS Omega, 2022, 7, 11818-11828.	1.6	2
3	<scp>NordAqua</scp>, a Nordic Center of Excellence to develop an algaeâ€based photosynthetic production platform. Physiologia Plantarum, 2021, 173, 507-513.	2.6	7
4	CyanoMetDB, a comprehensive public database of secondary metabolites from cyanobacteria. Water Research, 2021, 196, 117017.	5.3	142
5	Genome Reduction and Secondary Metabolism of the Marine Sponge-Associated Cyanobacterium Leptothoe. Marine Drugs, 2021, 19, 298.	2.2	4
6	Chemical diversity and cellular effects of antifungal cyclic lipopeptides from cyanobacteria. Physiologia Plantarum, 2021, 173, 639-650.	2.6	16
7	Occurrence of cylindrospermopsin, anatoxin-a and their homologs in the southern Czech Republic â€" Taxonomical, analytical, and molecular approaches. Harmful Algae, 2021, 108, 102101.	2.2	8
8	The structure and biosynthesis of heinamides A1â€"A3 and B1â€"B5, antifungal members of the laxaphycin lipopeptide family. Organic and Biomolecular Chemistry, 2021, 19, 5577-5588.	1.5	5
9	Potent Inhibitor of Human Trypsins from the Aeruginosin Family of Natural Products. ACS Chemical Biology, 2021, 16, 2537-2546.	1.6	11
10	Mining of Cyanobacterial Genomes Indicates Natural Product Biosynthetic Gene Clusters Located in Conjugative Plasmids. Frontiers in Microbiology, 2021, 12, 684565.	1.5	12
11	Dereplication of Natural Products with Antimicrobial and Anticancer Activity from Brazilian Cyanobacteria. Toxins, 2020, 12, 12.	1.5	27
12	Shared PKS Module in Biosynthesis of Synergistic Laxaphycins. Frontiers in Microbiology, 2020, 11, 578878.	1.5	14
13	Genomic and Metabolomic Analyses of Natural Products in Nodularia spumigena Isolated from a Shrimp Culture Pond. Toxins, 2020, 12, 141.	1.5	8
14	Phylogenomic Analysis of Secondary Metabolism in the Toxic Cyanobacterial Genera Anabaena, Dolichospermum and Aphanizomenon. Toxins, 2020, 12, 248.	1.5	34
15	Using Microcystin Gene Copies to Determine Potentially-Toxic Blooms, Example from a Shallow Eutrophic Lake Peipsi. Toxins, 2020, 12, 211.	1.5	7
16	Evaluating Eucalyptus leaf colonization by Brasilonema octagenarum (Cyanobacteria,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (Scy	0.9	2
17	Effects of allochthonous dissolved organic matter input on microbial composition and nitrogen-cycling genes at two contrasting estuarine sites. FEMS Microbiology Ecology, 2019, 95, .	1.3	3
18	Biosynthesis of the Bis-Prenylated Alkaloids Muscoride A and B. ACS Chemical Biology, 2019, 14, 2683-2690.	1.6	32

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19	Characterization of the interaction of the antifungal and cytotoxic cyclic glycolipopeptide hassallidin with sterol-containing lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1510-1521.	1.4	25
20	The Biosynthesis of Rare Homo-Amino Acid Containing Variants of Microcystin by a Benthic Cyanobacterium. Marine Drugs, 2019, 17, 271.	2.2	20
21	Insight into the genome and brackish water adaptation strategies of toxic and bloom-forming Baltic Sea Dolichospermum sp. UHCC 0315. Scientific Reports, 2019, 9, 4888.	1.6	14
22	Antitumor astins originate from the fungal endophyte <i>Cyanodermella asteris</i> living within the medicinal plant <i>Aster tataricus</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26909-26917.	3.3	39
23	Frequency of virusâ€resistant hosts determines experimental community dynamics. Ecology, 2019, 100, e02554.	1.5	1
24	Alternative Biosynthetic Starter Units Enhance the Structural Diversity of Cyanobacterial Lipopeptides. Applied and Environmental Microbiology, 2019, 85, .	1.4	24
25	Strains of the toxic and bloom-forming <i>Nodularia spumigena</i> (cyanobacteria) can degrade methylphosphonate and release methane. ISME Journal, 2018, 12, 1619-1630.	4.4	75
26	Post-Translational Tyrosine Geranylation in Cyanobactin Biosynthesis. Journal of the American Chemical Society, 2018, 140, 6044-6048.	6.6	31
27	Discovery of a Pederin Family Compound in a Nonsymbiotic Bloom-Forming Cyanobacterium. ACS Chemical Biology, 2018, 13, 1123-1129.	1.6	27
28	The Swinholide Biosynthesis Gene Cluster from a Terrestrial Cyanobacterium, Nostoc sp. Strain UHCC 0450. Applied and Environmental Microbiology, 2018, 84, .	1.4	21
29	Sphaerocyclamide, a prenylated cyanobactin from the cyanobacterium Sphaerospermopsis sp. LEGE 00249. Scientific Reports, 2018, 8, 14537.	1.6	27
30	N-Prenylation of Tryptophan by an Aromatic Prenyltransferase from the Cyanobactin Biosynthetic Pathway. Biochemistry, 2018, 57, 6860-6867.	1.2	26
31	Coupling biogeochemical process rates and metagenomic blueprints of coastal bacterial assemblages in the context of environmental change. Environmental Microbiology, 2018, 20, 3083-3099.	1.8	11
32	Comparative Genomics of the Baltic Sea Toxic Cyanobacteria Nodularia spumigena UHCC 0039 and Its Response to Varying Salinity. Frontiers in Microbiology, 2018, 9, 356.	1.5	15
33	Biosynthesis of microcystin hepatotoxins in the cyanobacterial genus Fischerella. Toxicon, 2018, 141, 43-50.	0.8	15
34	Genetic Organization of Anabaenopeptin and Spumigin Biosynthetic Gene Clusters in the Cyanobacterium <i>Sphaerospermopsis torques-reginae</i> ITEP-024. ACS Chemical Biology, 2017, 12, 769-778.	1.6	25
35	Rearranged Biosynthetic Gene Cluster and Synthesis of Hassallidin E in <i>Planktothrix serta</i> PCC 8927. ACS Chemical Biology, 2017, 12, 1796-1804.	1.6	25
36	Cyclic peptide production using a macrocyclase with enhanced substrate promiscuity and relaxed recognition determinants. Chemical Communications, 2017, 53, 10656-10659.	2.2	19

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37	Simultaneous Production of Anabaenopeptins and Namalides by the Cyanobacterium <i>Nostoc</i> sp. CENA543. ACS Chemical Biology, 2017, 12, 2746-2755.	1.6	35
38	Monitoring of Toxigenic Cyanobacteria Using Next-Generation Sequencing Techniques. , 2017, , 277-299.		0
39	Nucleic Acid Extraction. , 2017, , 135-161.		0
40	DNA (Diagnostic) and cDNA Microarray. , 2017, , 241-261.		0
41	Competition between a toxic and a non-toxic Microcystis strain under constant and pulsed nitrogen and phosphorus supply. Aquatic Ecology, 2017, 51, 117-130.	0.7	22
42	Newly isolated <i>Nodularia</i> phage influences cyanobacterial community dynamics. Environmental Microbiology, 2017, 19, 273-286.	1.8	83
43	Production of High Amounts of Hepatotoxin Nodularin and New Protease Inhibitors Pseudospumigins by the Brazilian Benthic Nostoc sp. CENA543. Frontiers in Microbiology, 2017, 8, 1963.	1.5	35
44	Lipid biomarker signatures as tracers for harmful cyanobacterial blooms in the Baltic Sea. PLoS ONE, 2017, 12, e0186360.	1.1	26
45	<i>Cyanodermella asteris</i> sp. nov. (<i>Ostropales</i>) from the inflorescence axis of <i> Aster tataricus</i>. Mycotaxon, 2017, 132, 107-123.	0.1	16
46	The cyclochlorotine mycotoxin is produced by the nonribosomal peptide synthetase CctN in <i>Talaromyces islandicus</i> (â€˜<i>Penicillium islandicum</i>â€™). Environmental Microbiology, 2016, 18, 3728-3741.	1.8	15
47	Evolving interactions between diazotrophic cyanobacterium and phage mediate nitrogen release and host competitive ability. Royal Society Open Science, 2016, 3, 160839.	1.1	31
48	A Unique Tryptophan Câ€Prenyltransferase from the Kawaguchipeptin Biosynthetic Pathway. Angewandte Chemie - International Edition, 2016, 55, 3596-3599.	7.2	49
49	A Unique Tryptophan Câ€Prenyltransferase from the Kawaguchipeptin Biosynthetic Pathway. Angewandte Chemie, 2016, 128, 3660-3663.	1.6	6
50	A liquid chromatographyâ€“mass spectrometric method for the detection of cyclic Î²-amino fatty acid lipopeptides. Journal of Chromatography A, 2016, 1438, 76-83.	1.8	13
51	Cyanobacterial Toxic and Bioactive Peptides in Freshwater Bodies of Greece: Concentrations, Occurrence Patterns, and Implications for Human Health. Marine Drugs, 2015, 13, 6319-6335.	2.2	53
52	Screening native isolates of cyanobacteria and a green alga for integrated wastewater treatment, biomass accumulation and neutral lipid production. Algal Research, 2015, 11, 411-420.	2.4	49
53	Draft Genome Sequence of Calothrix Strain 336/3, a Novel H ₂ -Producing Cyanobacterium Isolated from a Finnish Lake. Genome Announcements, 2015, 3, .	0.8	10
54	Transcriptomic and Proteomic Profiling of Anabaena sp. Strain 90 under Inorganic Phosphorus Stress. Applied and Environmental Microbiology, 2015, 81, 5212-5222.	1.4	49

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55	Antifungal Compounds from Cyanobacteria. Marine Drugs, 2015, 13, 2124-2140.	2.2	83
56	Natural Product Biosynthetic Diversity and Comparative Genomics of the Cyanobacteria. Trends in Microbiology, 2015, 23, 642-652.	3.5	266
57	Antifungal activity improved by coproduction of cyclodextrins and anabaenolysins in Cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13669-13674.	3.3	27
58	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	3.9	715
59	Draft genome sequence of Talaromyces islandicus (â€œPenicillium islandicumâ€) WF-38-12, a neglected mold with significant biotechnological potential. Journal of Biotechnology, 2015, 211, 101-102.	1.9	17
60	Genomic insights into the distribution, genetic diversity and evolution of polyketide synthases and nonribosomal peptide synthetases. Current Opinion in Genetics and Development, 2015, 35, 79-85.	1.5	33
61	Anatoxin-a producing Tychonema (Cyanobacteria) in European waterbodies. Water Research, 2015, 69, 68-79.	5.3	77
62	Pseudoaeruginosins, Nonribosomal Peptides inNodularia spumigena. ACS Chemical Biology, 2015, 10, 725-733.	1.6	22
63	Cyanobacteria as a Source for Novel Anti-Leukemic Compounds. Current Pharmaceutical Biotechnology, 2015, 17, 78-91.	0.9	15
64	Cyanobacteria from Terrestrial and Marine Sources Contain Apoptogens Able to Overcome Chemoresistance in Acute Myeloid Leukemia Cells. Marine Drugs, 2014, 12, 2036-2053.	2.2	15
65	Phylum-wide comparative genomics unravel the diversity of secondary metabolism in Cyanobacteria. BMC Genomics, 2014, 15, 977.	1.2	175
66	4-Methylproline Guided Natural Product Discovery: Co-Occurrence of 4-Hydroxy- and 4-Methylprolines in Nostoweipeptins and Nostopeptolides. ACS Chemical Biology, 2014, 9, 2646-2655.	1.6	28
67	Hassallidins, antifungal glycolipopeptides, are widespread among cyanobacteria and are the end-product of a nonribosomal pathway. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1909-17.	3.3	102
68	Nostosins, Trypsin Inhibitors Isolated from the Terrestrial Cyanobacterium <i>Nostoc</i> sp. Strain FSN. Journal of Natural Products, 2014, 77, 1784-1790.	1.5	41
69	Atlas of nonribosomal peptide and polyketide biosynthetic pathways reveals common occurrence of nonmodular enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9259-9264.	3.3	310
70	Hydrogen Photoproduction by Immobilized N ₂ -Fixing Cyanobacteria: Understanding the Role of the Uptake Hydrogenase in the Long-Term Process. Applied and Environmental Microbiology, 2014, 80, 5807-5817.	1.4	31
71	The Genetic Basis for O-Acetylation of the Microcystin Toxin in Cyanobacteria. Chemistry and Biology, 2013, 20, 861-869.	6.2	20
72	Nodularia spumigena extract induces upregulation of mitochondrial respiratory chain complexes in spinach (Spinacia oleracea L.). Acta Physiologiae Plantarum, 2013, 35, 969-974.	1.0	6

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73	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. Natural Product Reports, 2013, 30, 108-160.	5.2	1,692
74	Genome Mining Expands the Chemical Diversity of the Cyanobactin Family to Include Highly Modified Linear Peptides. Chemistry and Biology, 2013, 20, 1033-1043.	6.2	90
75	Convergent evolution of [D-Leucine1] microcystin-LR in taxonomically disparate cyanobacteria. BMC Evolutionary Biology, 2013, 13, 86.	3.2	29
76	Improving the coverage of the cyanobacterial phylum using diversity-driven genome sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1053-1058.	3.3	769
77	Insights into the Physiology and Ecology of the Brackish-Water-Adapted Cyanobacterium Nodularia spumigena CCY9414 Based on a Genome-Transcriptome Analysis. PLoS ONE, 2013, 8, e60224.	1.1	95
78	Bacteria Contribute to Sediment Nutrient Release and Reflect Progressed Eutrophication-Driven Hypoxia in an Organic-Rich Continental Sea. PLoS ONE, 2013, 8, e67061.	1.1	117
79	New Structural Variants of Aeruginosin Produced by the Toxic Bloom Forming Cyanobacterium Nodularia spumigena. PLoS ONE, 2013, 8, e73618.	1.1	65
80	Pathologic Findings and Toxin Identification in Cyanobacterial (<i>Nodularia spumigena</i>) Intoxication in a Dog. Veterinary Pathology, 2012, 49, 755-759.	0.8	26
81	Genome-derived insights into the biology of the hepatotoxic bloom-forming cyanobacterium Anabaena sp. strain 90. BMC Genomics, 2012, 13, 613.	1.2	52
82	The lipopeptide toxins anabaenolysin A and B target biological membranes in a cholesterol-dependent manner. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 3000-3009.	1.4	35
83	Analysis of an Inactive Cyanobactin Biosynthetic Gene Cluster Leads to Discovery of New Natural Products from Strains of the Genus Microcystis. PLoS ONE, 2012, 7, e43002.	1.1	54
84	Cyanobacteria produce a high variety of hepatotoxic peptides in lichen symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5886-5891.	3.3	138
85	Anabaenolysins, Novel Cytolytic Lipopeptides from Benthic Anabaena Cyanobacteria. PLoS ONE, 2012, 7, e41222.	1.1	33
86	Nostocyclopeptide-M1: A Potent, Nontoxic Inhibitor of the Hepatocyte Drug Transporters OATP1B3 and OATP1B1. Molecular Pharmaceutics, 2011, 8, 360-367.	2.3	29
87	Anatoxin-a Synthetase Gene Cluster of the Cyanobacterium Anabaena sp. Strain 37 and Molecular Methods To Detect Potential Producers. Applied and Environmental Microbiology, 2011, 77, 7271-7278.	1.4	166
88	Nodularin uptake and induction of oxidative stress in spinach (Spinachia oleracea). Journal of Plant Physiology, 2011, 168, 594-600.	1.6	26
89	Nonâ€autonomous transposable elements associated with inactivation of microcystin gene clusters in strains of the genus <i>Anabaena</i> isolated from the Baltic Sea. Environmental Microbiology Reports, 2011, 3, 189-194.	1.0	20
90	Nostophycin Biosynthesis Is Directed by a Hybrid Polyketide Synthase-Nonribosomal Peptide Synthetase in the Toxic Cyanobacterium Nostoc sp. Strain 152. Applied and Environmental Microbiology, 2011, 77, 8034-8040.	1.4	29

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91	Molecular Methods: Chip Assay and Quantitative Real-Time PCR: In Detecting Hepatotoxic Cyanobacteria. Methods in Molecular Biology, 2011, 739, 73-86.	0.4	7
92	Phosphorus Chemistry and Bacterial Community Composition Interact in Brackish Sediments Receiving Agricultural Discharges. PLoS ONE, 2011, 6, e21555.	1.1	51
93	Genome Mining Demonstrates the Widespread Occurrence of Gene Clusters Encoding Bacteriocins in Cyanobacteria. PLoS ONE, 2011, 6, e22384.	1.1	78
94	Cyanobactinsâ€”ribosomal cyclic peptides produced by cyanobacteria. Applied Microbiology and Biotechnology, 2010, 86, 1213-1225.	1.7	258
95	A Novel Cyanobacterial Nostocyclopeptide is a Potent Antitoxin against Microcystins. ChemBioChem, 2010, 11, 1594-1599.	1.3	47
96	Two Alternative Starter Modules for the Non-Ribosomal Biosynthesis of Specific Anabaenopeptin Variants in Anabaena (Cyanobacteria). Chemistry and Biology, 2010, 17, 265-273.	6.2	100
97	Marine Benthic Cyanobacteria Contain Apoptosis-Inducing Activity Synergizing with Daunorubicin to Kill Leukemia Cells, but not Cardiomyocytes. Marine Drugs, 2010, 8, 2659-2672.	2.2	52
98	Highly Diverse Cyanobactins in Strains of the Genus <i>Anabaena</i>. Applied and Environmental Microbiology, 2010, 76, 701-709.	1.4	73
99	Development of a Chip Assay and Quantitative PCR for Detecting Microcystin Synthetase E Gene Expression. Applied and Environmental Microbiology, 2010, 76, 3797-3805.	1.4	57
100	Cyanobacterial Toxins. , 2009, , 290-307.		39
101	Widespread Occurrence and Lateral Transfer of the Cyanobactin Biosynthesis Gene Cluster in Cyanobacteria. Applied and Environmental Microbiology, 2009, 75, 853-857.	1.4	57
102	The nonâ€ribosomal assembly and frequent occurrence of the protease inhibitors spumigins in the bloomâ€forming cyanobacterium <i>Nodularia spumigena</i>. Molecular Microbiology, 2009, 73, 924-937.	1.2	63
103	High diversity of cultivable heterotrophic bacteria in association with cyanobacterial water blooms. ISME Journal, 2009, 3, 314-325.	4.4	238
104	Cultureâ€independent evidence for the persistent presence and genetic diversity of microcystinâ€producing <i>Anabaena</i> (<i>Cyanobacteria</i>) in the Gulf of Finland. Environmental Microbiology, 2009, 11, 855-866.	1.8	64
105	Acyloxymethyl Esterification of Nodularin-R and Microcystin-LA Produces Inactive Protoxins that Become Reactivated and Produce Apoptosis inside Intact Cells. Journal of Medicinal Chemistry, 2009, 52, 5758-5762.	2.9	20
106	Microcystin Production in the Tripartite Cyanolichen <i>Peltigera leucophlebia</i>. Molecular Plant-Microbe Interactions, 2009, 22, 695-702.	1.4	43
107	Hydrophobic derivatives of 5â€(hydroxymethyl)isophthalic acid that selectively induce apoptosis in leukemia cells but not in fibroblasts. Drug Development Research, 2008, 69, 185-195.	1.4	2
108	Genetic diversity in strains of the genus Anabaena isolated from planktonic and benthic habitats of the Gulf of Finland (Baltic Sea). FEMS Microbiology Ecology, 2008, 64, 199-208.	1.3	38

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109	Expression of the nodularin synthetase genes in the Baltic Sea bloom-former cyanobacterium Nodularia spumigena strain AV1. FEMS Microbiology Ecology, 2008, 65, 31-39.	1.3	36
110	Evidence for positive selection acting on microcystin synthetase adenylation domains in three cyanobacterial genera. BMC Evolutionary Biology, 2008, 8, 256.	3.2	46
111	Natural occurrence of microcystin synthetase deletion mutants capable of producing microcystins in strains of the genus Anabaena (Cyanobacteria). Microbiology (United Kingdom), 2008, 154, 1007-1014.	0.7	36
112	Identification of hepatotoxinâ€producing cyanobacteria by DNAâ€chip. Environmental Microbiology, 2008, 10, 653-664.	1.8	66
113	Emerging high throughput analyses of cyanobacterial toxins and toxic cyanobacteria. , 2008, 619, 539-557.		31
114	Cyanobacterial community composition in shallow, eutrophic Lake Tuusulanjarvi studied by microscopy, strain isolation, DGGE and cloning. Algological Studies (Stuttgart, Germany: 2007), 2008, 126, 137-157.	0.4	14
115	Quantitative Real-Time PCR Detection of Toxic Nodularia Cyanobacteria in the Baltic Sea. Applied and Environmental Microbiology, 2007, 73, 2173-2179.	1.4	87
116	Bacterial Diversity and Function in the Baltic Sea with an Emphasis on Cyanobacteria. Ambio, 2007, 36, 180-185.	2.8	43
117	Direct Evidence for Production of Microcystins by <i>Anabaena</i> Strains from the Baltic Sea. Applied and Environmental Microbiology, 2007, 73, 6543-6550.	1.4	86
118	Strains of the cyanobacterial genera Calothrix and Rivularia isolated from the Baltic Sea display cryptic diversity and are distantly related to Gloeotrichia and Tolypothrix. FEMS Microbiology Ecology, 2007, 61, 74-84.	1.3	60
119	Recurrent adenylation domain replacement in the microcystin synthetase gene cluster. BMC Evolutionary Biology, 2007, 7, 183.	3.2	97
120	Phosphorus limitation and diel control of nitrogen-fixing cyanobacteria in the Baltic Sea. Marine Ecology - Progress Series, 2007, 345, 41-50.	0.9	31
121	Detection of Microcystin-Producing Cyanobacteria in Finnish Lakes with Genus-Specific Microcystin Synthetase Gene E (mcyE) PCR and Associations with Environmental Factors. Applied and Environmental Microbiology, 2006, 72, 6101-6110.	1.4	204
122	The presence of microcystins and other cyanobacterial bioactive peptides in aquatic fauna collected from Greek freshwaters. Aquatic Toxicology, 2006, 78, 32-41.	1.9	84
123	CORRESPONDENCE BETWEEN PHYLOGENY AND MORPHOLOGY OF SNOWELLA SPP. AND WORONICHINIA NAEGELIANA, CYANOBACTERIA COMMONLY OCCURRING IN LAKES1. Journal of Phycology, 2006, 42, 226-232.	1.0	47
124	Limnothrix redekei (Van Goor) Meffert (Cyanobacteria) Strains from Lake Kastoria, Greece Form a Separate Phylogenetic Group. Microbial Ecology, 2005, 49, 176-182.	1.4	118
125	Diversity of hepatotoxic microcystins and bioactive anabaenopeptins in cyanobacterial blooms from Greek freshwaters. Environmental Toxicology, 2005, 20, 249-256.	2.1	63
126	Benthic cyanobacteria from the Baltic Sea contain cytotoxicAnabaena,Nodularia, andNostoc strains and an apoptosis-inducingPhormidium strain. Environmental Toxicology, 2005, 20, 285-292.	2.1	33

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127	First report of the cyanobacterium Aphanizomenon ovalisporum Forti in two Greek lakes and cyanotoxin occurrence. Journal of Plankton Research, 2005, 27, 1295-1300.	0.8	32
128	Phylogenetic and morphological evaluation of the genera Anabaena, Aphanizomenon, Trichormus and Nostoc (Nostocales, Cyanobacteria). International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 11-26.	0.8	297
129	Benthic cyanobacteria of the genus Nodularia are non-toxic, without gas vacuoles, able to glide and genetically more diverse than planktonic Nodularia. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 555-568.	0.8	90
130	A high proportion of Baltic Sea benthic cyanobacterial isolates contain apoptogens able to induce rapid death of isolated rat hepatocytes. Toxicon, 2005, 46, 252-260.	0.8	27
131	Genes Coding for Hepatotoxic Heptapeptides (Microcystins) in the Cyanobacterium Anabaena Strain 90. Applied and Environmental Microbiology, 2004, 70, 686-692.	1.4	221
132	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
133	Repeat-type distribution in trnL intron does not correspond with species phylogeny: comparison of the genetic markers 16S rRNA and trnL intron in heterocystous cyanobacteria. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 765-772.	0.8	24
134	Discovery of Rare and Highly Toxic Microcystins from Lichen-Associated Cyanobacterium Nostoc sp. Strain IO-102-I. Applied and Environmental Microbiology, 2004, 70, 5756-5763.	1.4	131
135	Associations of Cyanobacterial Toxin, Nodularin, with Environmental Factors and Zooplankton in the Baltic Sea. Microbial Ecology, 2004, 47, 350-8.	1.4	37
136	Development of a Universal Microarray Based on the Ligation Detection Reaction and 16S rRNA Gene Polymorphism To Target Diversity of Cyanobacteria. Applied and Environmental Microbiology, 2004, 70, 7161-7172.	1.4	113
137	Phylogenetic evidence for the early evolution of microcystin synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 568-573.	3.3	432
138	Diversity of cyanobacteria and heterotrophic bacteria in cyanobacterial blooms in Lake Joutikas, Finland. Aquatic Microbial Ecology, 2004, 36, 201-211.	0.9	138
139	PCR-based identification of microcystin-producing genotypes of different cyanobacterial genera. Archives of Microbiology, 2003, 180, 402-410.	1.0	226
140	BASIC: Baltic Sea cyanobacteria. An investigation of the structure and dynamics of water blooms of cyanobacteria in the Baltic Seaâ€"responses to a changing environment. Continental Shelf Research, 2003, 23, 1695-1714.	0.9	259
141	Quantitative Real-Time PCR for Determination ofMicrocystin Synthetase E Copy Numbers for Microcystis and Anabaena inLakes. Applied and Environmental Microbiology, 2003, 69, 7289-7297.	1.4	286
142	Phylogenetic comparison of the cyanobacterial genera Anabaena and Aphanizomenon.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1867-1880.	0.8	64
143	Calanoid copepods feed and produce eggs in the presence of toxic cyanobacteria <i>Nodularia spumigena</i>. Limnology and Oceanography, 2002, 47, 878-885.	1.6	87
144	Diversity of <i>Aphanizomenon</i> <i>flos-aquae</i> (Cyanobacterium) Populations along a Baltic Sea Salinity Gradient. Applied and Environmental Microbiology, 2002, 68, 5296-5303.	1.4	65

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145	Effects of dissolved cyanobacterial toxins on the survival and egg hatching of estuarine calanoid copepods. Marine Biology, 2002, 140, 577-583.	0.7	56
146	Aminopeptidase and phosphatase activities in basins of Lake Hiidenvesi dominated by cyanobacteria and in laboratory grown Anabaena. Freshwater Biology, 2002, 47, 1582-1593.	1.2	13
147	Structural elucidation of cyanobacterial peptides encoded by peptide synthetase gene in Anabaena species. Tetrahedron, 2002, 58, 6863-6871.	1.0	44
148	Detection of microcystins with protein phosphatase inhibition assay, high-performance liquid chromatographyâ€"UV detection and enzyme-linked immunosorbent assay. Analytica Chimica Acta, 2002, 466, 213-231.	2.6	175
149	Molecular characterization of planktic cyanobacteria of Anabaena, Aphanizomenon, Microcystis and Planktothrix genera.. International Journal of Systematic and Evolutionary Microbiology, 2001, 51, 513-526.	0.8	207
150	Occurrence of microcystins in raw water sources and treated drinking water of Finnish waterworks. Water Science and Technology, 2001, 43, 225-228.	1.2	96
151	Effects of Nutrients on Growth and Nodularin Production of Nodularia Strain GR8b. Microbial Ecology, 2001, 42, 606-613.	1.4	35
152	Diversity of Toxic and Nontoxic Nodularia Isolates (Cyanobacteria) and Filaments from the Baltic Sea. Applied and Environmental Microbiology, 2001, 67, 4638-4647.	1.4	108
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