Ken-ichi Harada

List of Publications by Year
in descending order

69 papers	2,692 citations	201674 27 h-index	189892 50 g-index
72 all docs	72 docs citations	72 times ranked	2204 citing authors

#	Article	IF	Citations
1	A Nonempirical Method Using LC/MS for Determination of the Absolute Configuration of Constituent Amino Acids in a Peptide:Â Combination of Marfey's Method with Mass Spectrometry and Its Practical Application. Analytical Chemistry, 1997, 69, 5146-5151.	6.5	400
2	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.	0.5	170
3	Stability of microcystins from cyanobacteriaâ€”III. Effect of pH and temperature. Phycologia, 1996, 35, 83-88.	1.4	140
4	Novel monoclonal antibodies against microcystin and their protective activity for hepatotoxicity. Natural Toxins, 1995, 3, 78-86.	1.0	136
5	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
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	Production of Secondary Metabolites by Freshwater Cyanobacteria. Chemical and Pharmaceutical Bulletin, 2004, 52, 889-899.	1.3	87
8	Release of heptapeptide toxin (microcystin) during the decomposition process ofMicrocystis aeruginosa. Natural Toxins, 1992, 1, 48-53.	1.0	83
9	Heptapeptide toxin production during the batch culture of two Microcystis species (Cyanobacteria). Journal of Applied Phycology, 1989, 1, 161-165.	2.8	79
10	Distribution and identification of actinomycetes lysing cyanobacteria in a eutrophic lake. Journal of Applied Phycology, 1998, 10, 391-397.	2.8	73
11	Seasonal variations ofmicrocystis species and toxic heptapeptide microcystins in lake suwa. Environmental Toxicology and Water Quality, 1993, 8, 425-435.	0.5	72
12	Diagnostic and Clinically Important Aspects of Cyanobacterial (Blue-Green Algae) Toxicoses. Journal of Veterinary Diagnostic Investigation, 1989, 1, 359-365.	1.1	68
13	Identification and estimation of microcystins in freshwater mussels. Natural Toxins, 1997, 5, 31-35.	1.0	64
14	Î²-Cyanoalanine Production by Marine Bacteria on Cyanide-Free Medium and Its Specific Inhibitory Activity toward Cyanobacteria. Applied and Environmental Microbiology, 2000, 66, 718-722.	3.1	55
15	Detection and identification of microcystins in the drinking water of Haimen City, China. Natural Toxins, 2006, 4, 277-283.	1.0	55
16	Persistence and Decomposition of Hepatotoxic Microcystins Produced by Cyanobacteria in Natural Environment. Toxin Reviews, 1998, 17, 385-403.	1.5	54
17	Nostophycin, a Novel Cyclic Peptide from the Toxic CyanobacteriumNostocsp. 152. Journal of Organic Chemistry, 1999, 64, 5777-5782.	3.2	54
18	Isolation and Structural Characterization of Siderophores, Madurastatins, Produced by a Pathogenic Actinomadura madurae. Journal of Antibiotics, 2004, 57, 125-135.	2.0	49

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19	Cyanobacterial Blue Color Formation during Lysis under Natural Conditions. Applied and Environmental Microbiology, 2015, 81, 2667-2675.	3.1	45
20	Diethanolamine assisted secondary ion mass spectrometry of naturally occurring complex oligosaccharides. Organic Mass Spectrometry, 1982, 17, 386-391.	1.3	43
21	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
22	Microcystin levels during 1992â€“95 for lakes sagami and tsukuiâ€japan. Natural Toxins, 1996, 4, 189-194.	1.0	43
23	Co-production of microcystins and aeruginopeptins by natural cyanobacterial bloom. Environmental Toxicology, 2001, 16, 298-305.	4.0	40
24	Insecticidal compounds against mosquito larvae fromOscillatoria agardhii strain 27. Environmental Toxicology, 2000, 15, 114-119.	4.0	39
25	Blue Color Formation of Cyanobacteria with Î²-Cyclocitral. Journal of Chemical Ecology, 2009, 35, 1295-1301.	1.8	39
26	Comprehensive analysis system using liquid chromatographyâ€“mass spectrometry for the biosynthetic study of peptides produced by cyanobacteria. Journal of Chromatography A, 2004, 1033, 107-113.	3.7	30
27	Application of emitter chemical ionization mass spectrometry to structural characterization of aminoglycoside antibioticsâ€”2. Organic Mass Spectrometry, 1982, 17, 247-252.	1.3	28
28	Electron Microscopic Study on Lysis of a Cyanobacterium Microcystis. Journal of Health Science, 2009, 55, 578-585.	0.9	26
29	Development of a condensation technique for thin-layer chromatography/fast-atom bombardment mass spectrometry of non-visible compounds. Rapid Communications in Mass Spectrometry, 1992, 6, 89-94.	1.5	25
30	Improvement of Chemical Analysis of Antibiotics. Part XIX1: Determination of Tetracycline Antibiotics in Milk by Liquid Chromatography and Thin-Layer Chromatography/Fast Atom Bombardment Mass Spectrometry. Journal of AOAC INTERNATIONAL, 1994, 77, 891-895.	1.5	25
31	Sequence determination of permethylated oligosaccharides by chemical ionization mass spectrometry. Biomedical Mass Spectrometry, 1983, 10, 5-12.	1.9	24
32	Separation and identification of food dyes by thin-layer chromatography/liquid secondary ion mass spectrometry. Biological Mass Spectrometry, 1991, 20, 522-528.	0.5	24
33	Multi-imaging of Cytokinin and Abscisic Acid on the Roots of Rice (Oryza sativa) Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2017, 65, 7624-7628.	5.2	24
34	High-performance liquid chromatographic separation of microcystins derivatized with a highly fluorescent dienophile. Natural Toxins, 1998, 5, 201-207.	1.0	19
35	Characteristic oxidation behavior of Î²-cyclocitral from the cyanobacterium Microcystis. Environmental Science and Pollution Research, 2016, 23, 11998-12006.	5.3	19
36	Identification of food dyes by TLC/SIMS with a condensation technique. Organic Mass Spectrometry, 1989, 24, 74-75.	1.3	18

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37	Trace analysis of microcystins. Phycologia, 1996, 35, 36-41.	1.4	18
38	Syntheses and antitumor activities of 1R,2R-cyclohexanediamine Pt(II) complexes containing dicarboxylates.. Chemical and Pharmaceutical Bulletin, 1987, 35, 221-228.	1.3	17
39	Chemical ionization mass spectrometry of macrolide antibiotics. IIIâ€”M-4365 and related compounds. Biological Mass Spectrometry, 1981, 8, 332-336.	0.5	16
40	A Coupled Assay System for the Lysis of Cyanobacteria.. Japanese Journal of Water Treatment Biology, 1998, 34, 67-75.	0.1	14
41	Chromatographic Determination of the Absolute Configuration of an Acyclic Secondary Alcohol Using Difluorodinitrobenzene. Analytical Chemistry, 2000, 72, 4142-4147.	6.5	13
42	A Selective Synthesis of 3,3-Di-C-(hydroxymethyl)-3-deoxy-furanorono-1,4-lactone in the Formose Reaction. Journal of Carbohydrate Chemistry, 1982, 1, 325-330.	1.1	12
43	Structural investigation of the antibiotic sporaviridin: 11â€”Molecular secondary ion mass spectral studies on the constituent pentasaccharides viridopentaoses. Organic Mass Spectrometry, 1985, 20, 582-588.	1.3	12
44	Structural Investigation of the Antibiotic Sporaviridin. XV. Preparative-Scale Preparation of Sporaviridin Components by HSCCC. Journal of Liquid Chromatography and Related Technologies, 1990, 13, 2373-2388.	1.0	12
45	The Selective Formose Reaction in Dimethylformamide in the Presence of Vitamin B₁. Journal of Carbohydrate Chemistry, 1983, 2, 343-348.	1.1	11
46	Crossâ€Reactivity and Neutralizing Ability of Monoclonal Antibodies against Microcystins. Microbiology and Immunology, 1994, 38, 389-392.	1.4	11
47	Diversity within the Microcystin Biosynthetic Gene Clusters among the Genus Microcystis. Microbes and Environments, 2007, 22, 380-390.	1.6	11
48	Application of MALDI Biotyper to cyanobacterial profiling. Rapid Communications in Mass Spectrometry, 2017, 31, 325-332.	1.5	10
49	Discrepancy Between the Theoretical Plate Number (N) and Peak Resolution (Rs) for Optimizing the Flow Rate in Countercurrent Chromatography. Journal of Liquid Chromatography and Related Technologies, 1992, 15, 2707-2719.	1.0	9
50	Trace Analysis of Microcystins in Environmental Samples. Journal of AOAC INTERNATIONAL, 2001, 84, 1636-1642.	1.5	9
51	Optimization of operating conditions for desorption chemical ionization mass spectrometry. Organic Mass Spectrometry, 1985, 20, 236-242.	1.3	8
52	Fast atom bombardment mass spectral study of tetracycline antibiotics. Organic Mass Spectrometry, 1993, 28, 1512-1515.	1.3	8
53	Optimization of a high speed countercurrent chromatograph for analytical separations. Journal of High Resolution Chromatography, 1991, 14, 306-311.	1.4	7
54	Effects of Light and Potassium Ion on Buoyancy Regulation with Gas Vesicle in a Cyanobacterium Microcystis aeruginosa NIES-843. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	7

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55	Site of protonation and bond cleavages in chemical ionization mass spectrometry. Organic Mass Spectrometry, 1981, 16, 188-188.	1.3	6
56	Structural characterization of underivatized menthyl glycosides using chemical ionization mass spectrometry. Biomedical Mass Spectrometry, 1983, 10, 608-613.	1.9	6
57	Determination of FVIIa-sTF Inhibitors in Toxic Microcystis Cyanobacteria by LC-MS Technique. Marine Drugs, 2016, 14, 7.	4.6	6
58	Densification of cyanobacteria from a lake leading to production of Î²â€cyclocitral and related volatile organic compounds and species change. Phycological Research, 2018, 66, 161-166.	1.6	6
59	Differences in susceptibility of cyanobacteria species to lytic volatile organic compounds and influence on seasonal succession. Chemosphere, 2021, 284, 131378.	8.2	6
60	Microbial degradation of linear peptides by strain B-9 of Sphingosinicella and its application in peptide quantification using liquid chromatography-mass spectrometry. Journal of Bioscience and Bioengineering, 2015, 119, 724-728.	2.2	5
61	FVIIa-sTF and Thrombin Inhibitory Activities of Compounds Isolated from Microcystis aeruginosa K-139. Marine Drugs, 2017, 15, 275.	4.6	5
62	Cyanobacterial Classification with the Toxicity Using MALDI Biotyper. Journal of the American Society for Mass Spectrometry, 2020, 31, 1572-1578.	2.8	5
63	Improvement in the Selectivity of the Chemigram Approach in Gas Chromatography/Infrared Spectroscopy. Analytical Sciences, 1993, 9, 279-283.	1.6	2
64	Structure Elucidation of Glykenin, Glycosidic Antibiotics from Basidiomycetes sp. VII. Structure Elucidation of the GK Components Using Tandem Mass Spectrometry.. Journal of the Mass Spectrometry Society of Japan, 1995, 43, 37-44.	0.1	2
65	Structural Characterization of Abscisic Acid and Related Metabolites by Chemical Ionization Mass Spectrometry. Agricultural and Biological Chemistry, 1984, 48, 685-694.	0.3	1
66	Molecular secondary ion mass spectrometry of oligosaccharides assisted by amide matrices.. Journal of the Mass Spectrometry Society of Japan, 1984, 32, 121-128.	0.1	1
67	Optical Resolution of 1,2-Diamino Compounds Using Advanced Marfey's Method. Journal of the Mass Spectrometry Society of Japan, 2009, 57, 71-74.	0.1	1
68	Structure Elucidation of Glykenin, Glycosidic Antibiotics from Basidiomycetes sp. VI. Structure Characterization of the GK Components Using Frit-FAB LC/MS.. Journal of the Mass Spectrometry Society of Japan, 1995, 43, 27-35.	0.1	1
69	Molecular Analysis of the Cyanobacterial Community in Gastric Contents of Egrets with Symptoms of Steatitis. Open Microbiology Journal, 2015, 9, 160-166.	0.7	1