

# Ken-ichi Harada

## List of Publications by Year in descending order

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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	Differences in susceptibility of cyanobacteria species to lytic volatile organic compounds and influence on seasonal succession. <i>Chemosphere</i> , 2021, 284, 131378.	8.2	6
2	Cyanobacterial Classification with the Toxicity Using MALDI Biotyper. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1572-1578.	2.8	5
3	Densification of cyanobacteria from a lake leading to production of $\hat{1}^2$ -cyclocitral and related volatile organic compounds and species change. <i>Phycological Research</i> , 2018, 66, 161-166.	1.6	6
4	Effects of Light and Potassium Ion on Buoyancy Regulation with Gas Vesicle in a Cyanobacterium <i>Microcystis aeruginosa</i> NIES-843. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	7
5	Multi-imaging of Cytokinin and Abscisic Acid on the Roots of Rice ( <i>Oryza sativa</i> ) Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7624-7628.	5.2	24
6	Application of MALDI Biotyper to cyanobacterial profiling. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 325-332.	1.5	10
7	FVIIa-sTF and Thrombin Inhibitory Activities of Compounds Isolated from <i>Microcystis aeruginosa</i> K-139. <i>Marine Drugs</i> , 2017, 15, 275.	4.6	5
8	Determination of FVIIa-sTF Inhibitors in Toxic <i>Microcystis</i> Cyanobacteria by LC-MS Technique. <i>Marine Drugs</i> , 2016, 14, 7.	4.6	6
9	Characteristic oxidation behavior of $\hat{1}^2$ -cyclocitral from the cyanobacterium <i>Microcystis</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 11998-12006.	5.3	19
10	Cyanobacterial Blue Color Formation during Lysis under Natural Conditions. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2667-2675.	3.1	45
11	Microbial degradation of linear peptides by strain B-9 of <i>Sphingosinicella</i> and its application in peptide quantification using liquid chromatography-mass spectrometry. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 724-728.	2.2	5
12	Molecular Analysis of the Cyanobacterial Community in Gastric Contents of Egrets with Symptoms of Steatitis. <i>Open Microbiology Journal</i> , 2015, 9, 160-166.	0.7	1
13	Blue Color Formation of Cyanobacteria with $\hat{1}^2$ -Cyclocitral. <i>Journal of Chemical Ecology</i> , 2009, 35, 1295-1301.	1.8	39
14	Electron Microscopic Study on Lysis of a Cyanobacterium <i>Microcystis</i> . <i>Journal of Health Science</i> , 2009, 55, 578-585.	0.9	26
15	Optical Resolution of 1,2-Diamino Compounds Using Advanced Marfey's Method. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2009, 57, 71-74.	0.1	1
16	Diversity within the Microcystin Biosynthetic Gene Clusters among the Genus <i>Microcystis</i> . <i>Microbes and Environments</i> , 2007, 22, 380-390.	1.6	11
17	Detection and identification of microcystins in the drinking water of Haimen City, China. <i>Natural Toxins</i> , 2006, 4, 277-283.	1.0	55
18	Comprehensive analysis system using liquid chromatography-mass spectrometry for the biosynthetic study of peptides produced by cyanobacteria. <i>Journal of Chromatography A</i> , 2004, 1033, 107-113.	3.7	30

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19	Production of Secondary Metabolites by Freshwater Cyanobacteria. Chemical and Pharmaceutical Bulletin, 2004, 52, 889-899.	1.3	87
20	Isolation and Structural Characterization of Siderophores, Madurastatins, Produced by a Pathogenic Actinomadura madurae. Journal of Antibiotics, 2004, 57, 125-135.	2.0	49
21	Trace Analysis of Microcystins in Environmental Samples. Journal of AOAC INTERNATIONAL, 2001, 84, 1636-1642.	1.5	9
22	Co-production of microcystins and aeruginopeptins by natural cyanobacterial bloom. Environmental Toxicology, 2001, 16, 298-305.	4.0	40
23	Insecticidal compounds against mosquito larvae from Oscillatoria agardhii strain 27. Environmental Toxicology, 2000, 15, 114-119.	4.0	39
24	<sup>12</sup> C-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
25	Chromatographic Determination of the Absolute Configuration of an Acyclic Secondary Alcohol Using Difluorodinitrobenzene. Analytical Chemistry, 2000, 72, 4142-4147.	6.5	13
26	Nostophycin, a Novel Cyclic Peptide from the Toxic Cyanobacterium Nostoc sp. 152. Journal of Organic Chemistry, 1999, 64, 5777-5782.	3.2	54
27	Distribution and identification of actinomycetes lysing cyanobacteria in a eutrophic lake. Journal of Applied Phycology, 1998, 10, 391-397.	2.8	73
28	High-performance liquid chromatographic separation of microcystins derivatized with a highly fluorescent dienophile. Natural Toxins, 1998, 5, 201-207.	1.0	19
29	Temporal variabilities of the concentrations of intra- and extracellular microcystin and toxic Microcystis species in a hypertrophic lake, Lake Suwa, Japan (1991-1994). Environmental Toxicology and Water Quality, 1998, 13, 61-72.	0.5	170
30	Persistence and Decomposition of Hepatotoxic Microcystins Produced by Cyanobacteria in Natural Environment. Toxin Reviews, 1998, 17, 385-403.	1.5	54
31	A Coupled Assay System for the Lysis of Cyanobacteria.. Japanese Journal of Water Treatment Biology, 1998, 34, 67-75.	0.1	14
32	A Nonempirical Method Using LC/MS for Determination of the Absolute Configuration of Constituent Amino Acids in a Peptide: A Combination of Marfey's Method with Mass Spectrometry and Its Practical Application. Analytical Chemistry, 1997, 69, 5146-5151.	6.5	400
33	Identification and estimation of microcystins in freshwater mussels. Natural Toxins, 1997, 5, 31-35.	1.0	64
34	Stability of microcystins from cyanobacteria. III. Effect of pH and temperature. Phycologia, 1996, 35, 83-88.	1.4	140
35	Microcystin levels during 1992-95 for lakes Sagami and Tsukui, Japan. Natural Toxins, 1996, 4, 189-194.	1.0	43
36	Trace analysis of microcystins. Phycologia, 1996, 35, 36-41.	1.4	18

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37	Reliable and sensitive method for determination of microcystins in complicated matrices by frit-fast atom bombardment liquid chromatography/mass spectrometry. <i>Natural Toxins</i> , 1995, 3, 41-49.	1.0	43
38	Novel monoclonal antibodies against microcystin and their protective activity for hepatotoxicity. <i>Natural Toxins</i> , 1995, 3, 78-86.	1.0	136
39	Structure Elucidation of Glykenin, Glycosidic Antibiotics from Basidiomycetes sp. VII. Structure Elucidation of the GK Components Using Tandem Mass Spectrometry.. <i>Journal of the Mass Spectrometry Society of Japan</i> , 1995, 43, 37-44.	0.1	2
40	Structure Elucidation of Glykenin, Glycosidic Antibiotics from Basidiomycetes sp. VI. Structure Characterization of the GK Components Using Frit-FAB LC/MS.. <i>Journal of the Mass Spectrometry Society of Japan</i> , 1995, 43, 27-35.	0.1	1
41	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. <i>Journal of AOAC INTERNATIONAL</i> , 1994, 77, 891-895.	1.5	25
42	Cross-Reactivity and Neutralizing Ability of Monoclonal Antibodies against Microcystins. <i>Microbiology and Immunology</i> , 1994, 38, 389-392.	1.4	11
43	Hepatotoxin (microcystin) and neurotoxin (anatoxin-a) contained in natural blooms and strains of cyanobacteria from Japanese freshwaters. <i>Natural Toxins</i> , 1993, 1, 353-360.	1.0	120
44	Fast atom bombardment mass spectral study of tetracycline antibiotics. <i>Organic Mass Spectrometry</i> , 1993, 28, 1512-1515.	1.3	8
45	Seasonal variations of microcystis species and toxic heptapeptide microcystins in lake suwa. <i>Environmental Toxicology and Water Quality</i> , 1993, 8, 425-435.	0.5	72
46	Improvement in the Selectivity of the Chemigram Approach in Gas Chromatography/Infrared Spectroscopy. <i>Analytical Sciences</i> , 1993, 9, 279-283.	1.6	2
47	Discrepancy Between the Theoretical Plate Number (N) and Peak Resolution (Rs) for Optimizing the Flow Rate in Countercurrent Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992, 15, 2707-2719.	1.0	9
48	Development of a condensation technique for thin-layer chromatography/fast-atom bombardment mass spectrometry of non-visible compounds. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 89-94.	1.5	25
49	Release of heptapeptide toxin (microcystin) during the decomposition process of <i>Microcystis aeruginosa</i> . <i>Natural Toxins</i> , 1992, 1, 48-53.	1.0	83
50	Structure-Function Relationships of Microcystins, Liver Tumor Promoters, in Interaction with Protein Phosphatase. <i>Japanese Journal of Cancer Research</i> , 1991, 82, 993-996.	1.7	119
51	Separation and identification of food dyes by thin-layer chromatography/liquid secondary ion mass spectrometry. <i>Biological Mass Spectrometry</i> , 1991, 20, 522-528.	0.5	24
52	Optimization of a high speed countercurrent chromatograph for analytical separations. <i>Journal of High Resolution Chromatography</i> , 1991, 14, 306-311.	1.4	7
53	Structural Investigation of the Antibiotic Sporaviridin. XV. Preparative-Scale Preparation of Sporaviridin Components by HSCCC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1990, 13, 2373-2388.	1.0	12
54	Diagnostic and Clinically Important Aspects of Cyanobacterial (Blue-Green Algae) Toxicoses. <i>Journal of Veterinary Diagnostic Investigation</i> , 1989, 1, 359-365.	1.1	68

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55	Identification of food dyes by TLC/SIMS with a condensation technique. <i>Organic Mass Spectrometry</i> , 1989, 24, 74-75.	1.3	18
56	Heptapeptide toxin production during the batch culture of two <i>Microcystis</i> species (Cyanobacteria). <i>Journal of Applied Phycology</i> , 1989, 1, 161-165.	2.8	79
57	Syntheses and antitumor activities of 1R,2R-cyclohexanediamine Pt(II) complexes containing dicarboxylates.. <i>Chemical and Pharmaceutical Bulletin</i> , 1987, 35, 221-228.	1.3	17
58	Optimization of operating conditions for desorption chemical ionization mass spectrometry. <i>Organic Mass Spectrometry</i> , 1985, 20, 236-242.	1.3	8
59	Structural investigation of the antibiotic sporavidin: <sup>11</sup> B Molecular secondary ion mass spectral studies on the constituent pentasaccharides viridopentaoses. <i>Organic Mass Spectrometry</i> , 1985, 20, 582-588.	1.3	12
60	Structural Characterization of Abscisic Acid and Related Metabolites by Chemical Ionization Mass Spectrometry. <i>Agricultural and Biological Chemistry</i> , 1984, 48, 685-694.	0.3	1
61	Molecular secondary ion mass spectrometry of oligosaccharides assisted by amide matrices.. <i>Journal of the Mass Spectrometry Society of Japan</i> , 1984, 32, 121-128.	0.1	1
62	Sequence determination of permethylated oligosaccharides by chemical ionization mass spectrometry. <i>Biomedical Mass Spectrometry</i> , 1983, 10, 5-12.	1.9	24
63	Structural characterization of underivatized menthyl glycosides using chemical ionization mass spectrometry. <i>Biomedical Mass Spectrometry</i> , 1983, 10, 608-613.	1.9	6
64	The Selective Formose Reaction in Dimethylformamide in the Presence of Vitamin B <sub>1</sub> . <i>Journal of Carbohydrate Chemistry</i> , 1983, 2, 343-348.	1.1	11
65	A Selective Synthesis of 3,3-Di-C-(hydroxymethyl)-3-deoxy-furanorono-1,4-lactone in the Formose Reaction. <i>Journal of Carbohydrate Chemistry</i> , 1982, 1, 325-330.	1.1	12
66	Application of emitter chemical ionization mass spectrometry to structural characterization of aminoglycoside antibiotics <sup>2</sup> . <i>Organic Mass Spectrometry</i> , 1982, 17, 247-252.	1.3	28
67	Diethanolamine assisted secondary ion mass spectrometry of naturally occurring complex oligosaccharides. <i>Organic Mass Spectrometry</i> , 1982, 17, 386-391.	1.3	43
68	Chemical ionization mass spectrometry of macrolide antibiotics. III <sup>2</sup> M-4365 and related compounds. <i>Biological Mass Spectrometry</i> , 1981, 8, 332-336.	0.5	16
69	Site of protonation and bond cleavages in chemical ionization mass spectrometry. <i>Organic Mass Spectrometry</i> , 1981, 16, 188-188.	1.3	6