

# Makoto Ojika

## List of Publications by Year in descending order

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48  
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102  
all docs

102  
docs citations

102  
times ranked

2228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aplyronine A, a potent antitumor substance and the congeners aplyronines B and C isolated from the sea hare <i>Aplysia kurodai</i> . <i>Journal of the American Chemical Society</i> , 1993, 115, 11020-11021.	13.7	156
2	Aplyronine A, a Potent Antitumor Substance of Marine Origin, Aplyronines B and C, and Artificial Analogues: A Total Synthesis and Structure-Cytotoxicity Relationships. <i>Journal of Organic Chemistry</i> , 1996, 61, 5326-5351.	3.2	106
3	Cystothiazoles A and B, New Bithiazole-type Antibiotics from the Myxobacterium <i>Cystobacter fuscus</i> . <i>Journal of Antibiotics</i> , 1998, 51, 275-281.	2.0	106
4	Total Synthesis of Aplyronine A, a Potent Antitumor Substance of Marine Origin. <i>Journal of the American Chemical Society</i> , 1994, 116, 7443-7444.	13.7	101
5	Absolute Stereochemistry of Aplyronine A, a Potent Antitumor Substance of Marine Origin. <i>Journal of the American Chemical Society</i> , 1994, 116, 7441-7442.	13.7	88
6	Cystothiazoles C-F, new bithiazole-type antibiotics from the myxobacterium <i>Cystobacter fuscus</i> . <i>Tetrahedron</i> , 1998, 54, 11399-11404.	1.9	73
7	Termitomycesphins A-D, Novel Neuritogenic Cerebrosides from the Edible Chinese Mushroom <i>Termitomyces albuminosus</i> . <i>Tetrahedron</i> , 2000, 56, 5835-5841.	1.9	72
8	Isolation and stereostructure of doliculide, a cytotoxic cyclodepsipeptide from the Japanese sea hare <i>Dolabella auricularia</i> . <i>Journal of Organic Chemistry</i> , 1994, 59, 4710-4711.	3.2	71
9	Miuraenamides A and B, Novel Antimicrobial Cyclic Depsipeptides from a New Slightly Halophilic Myxobacterium: Taxonomy, Production, and Biological Properties. <i>Journal of Antibiotics</i> , 2006, 59, 385-391.	2.0	66
10	Tyrosinase-catalyzed oxidation of rhododendrol produces 6-methylchromane-6,7-dione, the putative ultimate toxic metabolite: implications for melanocyte toxicity. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 744-753.	3.3	66
11	The Full-Size ABCG Transporters Nb-ABCG1 and Nb-ABCG2 Function in Pre- and Postinvasion Defense against <i>Phytophthora infestans</i> in <i>Nicotiana benthamiana</i> . <i>Plant Cell</i> , 2016, 28, 1163-1181.	6.6	66
12	Characterization of a <i>Phytophthora</i> Mating Hormone. <i>Science</i> , 2005, 309, 1828-1828.	12.6	63
13	Cell-Morphology Profiling of a Natural Product Library Identifies Bisebromoamide and Miuraenamide A as Actin Filament Stabilizers. <i>ACS Chemical Biology</i> , 2011, 6, 425-431.	3.4	63
14	Dolastatin H and Isodolastatin H, Potent Cytotoxic Peptides from the Sea Hare <i>Dolabella auricularia</i> : Isolation, Stereostructures, and Synthesis. <i>Journal of the American Chemical Society</i> , 1996, 118, 1874-1880.	13.7	62
15	Specific binding of o-fadaic acid, a new tumor promoter in mouse skin. <i>FEBS Letters</i> , 1989, 250, 615-618.	2.8	60
16	Norepinephrine and its metabolites are involved in the synthesis of neuromelanin derived from the locus coeruleus. <i>Journal of Neurochemistry</i> , 2015, 135, 768-776.	3.9	58
17	Aplyronine A, a potent antitumor macrolide of marine origin, and the congeners aplyronines B and C: isolation, structures, and bioactivities. <i>Tetrahedron</i> , 2007, 63, 3138-3167.	1.9	57
18	linckosides A and B, two new neuritogenic steroid glycosides from the okinawan starfish <i>linckia laevigata</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 1961-1966.	3.0	56

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19	Miuraenamides: Antimicrobial Cyclic Depsipeptides Isolated from a Rare and Slightly Halophilic Myxobacterium. <i>Chemistry - an Asian Journal</i> , 2008, 3, 126-133.	3.3	55
20	The second Phytophthora mating hormone defines interspecies biosynthetic crosstalk. <i>Nature Chemical Biology</i> , 2011, 7, 591-593.	8.0	52
21	New Haliangicin Isomers, Potent Antifungal Metabolites Produced by a Marine Myxobacterium. <i>Journal of Antibiotics</i> , 2003, 56, 630-638.	2.0	48
22	<i>Nicotiana benthamiana</i> Calreticulin 3a Is Required for the Ethylene-Mediated Production of Phytoalexins and Disease Resistance Against Oomycete Pathogen <i>Phytophthora infestans</i> . <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 880-892.	2.6	46
23	Neuritogenic cerebroside from an edible chinese mushroom. Part 2—For Part 1, see ref 1.: structures of two additional termitomycesphins and activity enhancement of an inactive cerebroside by hydroxylation. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 2171-2177.	3.0	43
24	Zooxanthellamide Cs: Vasoconstrictive Polyhydroxylated Macrolides with the Largest Lactone Ring Size from a Marine Dinoflagellate of <i>Symbiodinium</i> sp.. <i>Journal of the American Chemical Society</i> , 2005, 127, 10406-10411.	13.7	40
25	Studies on the stereochemistry of aplyronine A: Determination of the stereochemistry of the C21—C34 fragment. <i>Tetrahedron Letters</i> , 1993, 34, 8505-8508.	1.4	37
26	Tyrosinase-catalyzed metabolism of rhododendrol (RD) in B16 melanoma cells: production of RD-pheomelanin and covalent binding with thiol proteins. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 295-306.	3.3	37
27	Human tyrosinase is able to oxidize both enantiomers of rhododendrol. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 1149-1153.	3.3	36
28	Isolation and Biosynthetic Analysis of Haliamide, a New PKS-NRPS Hybrid Metabolite from the Marine Myxobacterium <i>Haliangium ochraceum</i> . <i>Molecules</i> , 2016, 21, 59.	3.8	36
29	Induction of ornithine decarboxylase activity in mouse skin by a possible tumor promoter, okadaic acid.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1987, 63, 51-53.	3.8	32
30	Further studies on aplyronine A, an antitumor substance isolated from the sea hare <i>Aplysia kurodai</i> . <i>Tetrahedron Letters</i> , 1993, 34, 8501-8504.	1.4	32
31	Three New Cytotoxic Acylspermidines from the Soft Coral, <i>Sinularia</i> sp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 1410-1412.	1.3	32
32	Structure-activity relationships of novel neuritogenic steroid glycosides from the Okinawan starfish <i>Linckia laevigata</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4458-4465.	3.0	32
33	Linckosides C-E, three new neuritogenic steroid glycosides from the Okinawan starfish <i>Linckia laevigata</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 4259-4265.	3.0	31
34	Heterologous Production of the Marine Myxobacterial Antibiotic Haliangicin and Its Unnatural Analogues Generated by Engineering of the Biochemical Pathway. <i>Scientific Reports</i> , 2016, 6, 22091.	3.3	31
35	Petrosiols A-E, neurotrophic diyne tetraols isolated from the Okinawan sponge <i>Petrosia strongylata</i> . <i>Tetrahedron</i> , 2013, 69, 101-106.	1.9	30
36	Identification of $\mu$ -Poly-L-lysine as an Antimicrobial Product from an <i>Epichloa</i> Endophyte and Isolation of Fungal $\mu$ -PL Synthetase Gene. <i>Molecules</i> , 2020, 25, 1032.	3.8	30

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37	Construction of a Bacterial Artificial Chromosome Library for a Myxobacterium of the Genus <i>Cystobacter</i> and Characterization of an Antibiotic Biosynthetic Gene Cluster. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 1372-1380.	1.3	29
38	Isolation, Chemistry, and Biochemistry of Ptaquiloside, a Bracken Carcinogen. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1818-1826.	13.8	27
39	New Cyclic Depsipeptide Antibiotics, Clavariopsins A and B, Produced by an Aquatic Hyphomycetes, <i>Clavariopsis aquatica</i> .. <i>Journal of Antibiotics</i> , 2001, 54, 22-28.	2.0	27
40	Zooxanthellamide A, a novel polyhydroxy metabolite from a marine dinoflagellate of <i>Symbiodinium</i> sp.. <i>Tetrahedron</i> , 2003, 59, 1067-1071.	1.9	27
41	Nucleoporin 75 Is Involved in the Ethylene-Mediated Production of Phytoalexin for the Resistance of <i>Nicotiana benthamiana</i> to <i>Phytophthora infestans</i> . <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 1318-1330.	2.6	27
42	Termitomycesphins G and H, Additional Cerebrosides from the Edible Chinese Mushroom <i>Termitomyces albuminosus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 791-793.	1.3	26
43	New Cyclic Depsipeptide Antibiotics, Clavariopsins A and B, Produced by an Aquatic Hyphomycetes, <i>Clavariopsis aquatica</i> .. <i>Journal of Antibiotics</i> , 2001, 54, 17-21.	2.0	25
44	Zooxanthellamide B, a Novel Large Polyhydroxy Metabolite from a Marine Dinoflagellate of <i>Symbiodinium</i> sp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 955-958.	1.3	23
45	Reduction of the Nitro Group to Amine by Hydroiodic Acid to Synthesize o-Aminophenol Derivatives as Putative Degradative Markers of Neuromelanin. <i>Molecules</i> , 2014, 19, 8039-8050.	3.8	22
46	Tyrosinase-Catalyzed Oxidation of the Leukoderma-Inducing Agent Raspberry Ketone Produces (E)-4-(3-Oxo-1-butenyl)-1,2-benzoquinone: Implications for Melanocyte Toxicity. <i>Chemical Research in Toxicology</i> , 2017, 30, 859-868.	3.3	22
47	PCR Detection of Type I Polyketide Synthase Genes in Myxobacteria. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5571-5574.	3.1	21
48	Aplyronines D-H from the sea hare <i>Aplysia kurodai</i> : isolation, structures, and cytotoxicity. <i>Tetrahedron</i> , 2012, 68, 982-987.	1.9	21
49	The Metabolic Fate of ortho-Quinones Derived from Catecholamine Metabolites. <i>International Journal of Molecular Sciences</i> , 2016, 17, 164.	4.1	21
50	(+)-Cystothiazole G: isolation and structural elucidation. <i>Tetrahedron</i> , 2004, 60, 4735-4738.	1.9	20
51	Zooxanthellamide D, a Polyhydroxy Polyene Amide from a Marine Dinoflagellate, and Chemotaxonomic Perspective of the <i>Symbiodinium</i> Polyols#. <i>Journal of Natural Products</i> , 2007, 70, 407-411.	3.0	20
52	Syntheses of cystothiazole A and its stereoisomers: importance of stereochemistry for antifungal activity. <i>Tetrahedron</i> , 2004, 60, 187-194.	1.9	19
53	Linckosides M-Q: neuritogenic steroid glycosides from the Okinawan starfish <i>Linckia laevigata</i> . <i>Journal of Natural Medicines</i> , 2007, 61, 138-145.	2.3	19
54	Tyrosinase-catalyzed oxidation of resveratrol produces a highly reactive ortho-quinone: Implications for melanocyte toxicity. <i>Pigment Cell and Melanoma Research</i> , 2019, 32, 766-776.	3.3	18

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55	Structural Studies and Antifungal Activity of Unique Polyene Amides, Clathrynamide A and Three New Derivatives, from a Marine Sponge, <i>Psammoclema</i> sp.. Bioscience, Biotechnology and Biochemistry, 2003, 67, 1568-1573.	1.3	17
56	Novel antifungal polyene amides from the myxobacterium <i>Cystobacter fuscus</i> : isolation, antifungal activity and absolute structure determination. Tetrahedron, 2004, 60, 10217-10221.	1.9	17
57	Zooxanthellactone, a Novel $\hat{1}^3$ -Lactone-type Oxylipine from Dinoflagellates of <i>Symbiodinium</i> sp.: Structure, Distribution, and Biological Activity. Bioscience, Biotechnology and Biochemistry, 2004, 68, 848-852.	1.3	17
58	An Unusual Diterpene "Enhygromic Acid and Deoxyenhygrolides from a Marine Myxobacterium, <i>Enhygromyxa</i> sp.. Marine Drugs, 2017, 15, 109.	4.6	17
59	Resistance to <i>Phytophthora infestans</i> : exploring genes required for disease resistance in Solanaceae plants. Journal of General Plant Pathology, 2018, 84, 312-320.	1.0	17
60	Detoxification of the solanaceous phytoalexins rishitin, lubimin, oxylubimin and solavetivone via a cytochrome P450 oxygenase. Plant Signaling and Behavior, 2020, 15, 1707348.	2.4	17
61	Novel Relationship between the Antifungal Activity and Cytotoxicity of Marine-Derived Metabolite Xestoquinone and Its Family. Bioscience, Biotechnology and Biochemistry, 2005, 69, 1749-1752.	1.3	16
62	Sponge-derived acetylenic alcohols, petrosiols, inhibit proliferation and migration of platelet-derived growth factor (PDGF)-induced vascular smooth muscle cells. Bioorganic and Medicinal Chemistry, 2013, 21, 1804-1810.	3.0	16
63	The Oxidative Pathway to Dopamine "Protein Conjugates and Their Pro-Oxidant Activities: Implications for the Neurodegeneration of Parkinson's Disease. International Journal of Molecular Sciences, 2019, 20, 2575.	4.1	16
64	Mechanism of putative neo-antigen formation from N-propionyl-4-S-cysteaminylphenol, a tyrosinase substrate, in melanoma models. Biochemical Pharmacology, 2012, 84, 646-653.	4.4	15
65	Total Synthesis of Miuraenamides A and D. Journal of Organic Chemistry, 2016, 81, 9886-9894.	3.2	15
66	New Crambescidin-Type Alkaloids from the Indonesian Marine Sponge <i>Clathria bulbotoxa</i> . Marine Drugs, 2018, 16, 84.	4.6	14
67	Granuloside...A, a Starfish Steroid Glycoside, Enhances PC12 Cell Neuritogenesis Induced by Nerve Growth Factor through an Activation of MAP Kinase. ChemMedChem, 2006, 1, 1351-1354.	3.2	13
68	Molecular Basis of Mannose Recognition by Pradimicins and their Application to Microbial Cell Surface Imaging. Cell Chemical Biology, 2019, 26, 950-959.e8.	5.2	13
69	AP2/ERF Transcription Factor NbERF-IX-33 Is Involved in the Regulation of Phytoalexin Production for the Resistance of <i>Nicotiana benthamiana</i> to <i>Phytophthora infestans</i> . Frontiers in Plant Science, 2021, 12, 821574.	3.6	13
70	Acylspermidine Derivatives Isolated from a Soft Coral, <i>Sinularia</i> sp., Inhibit Plant Vacuolar H <sup>+</sup> -Pyrophosphatase. Journal of Biochemistry, 2003, 133, 811-816.	1.7	12
71	Universality of the <i>Phytophthora</i> mating hormones and diversity of their production profile. Scientific Reports, 2017, 7, 5007.	3.3	12
72	Biosynthetic Studies on a Myxobacterial Antibiotic, Cystothiazole A: Biosynthetic Precursors of the Carbon Skeleton. Journal of Antibiotics, 2003, 56, 372-378.	2.0	10

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73	Bioactive Maleic Anhydrides and Related Diacids from the Aquatic Hyphomycete <i>Tricladium castaneicola</i> . Journal of Natural Products, 2015, 78, 639-644.	3.0	9
74	Syntheses of the four stereoisomers of Phytophthora mating hormone $\hat{1}\pm 2$ and a concise synthesis of mating hormone $\hat{1}\pm 1$ . Tetrahedron, 2011, 67, 8887-8894.	1.9	8
75	Structure-activity relationship of $\hat{1}\pm$ hormones, the mating factors of phytopathogen Phytophthora. Bioorganic and Medicinal Chemistry, 2012, 20, 681-686.	3.0	8
76	Nicotiana benthamiana RanBP1-1 Is Involved in the Induction of Disease Resistance via Regulation of Nuclear-Cytoplasmic Transport of Small GTPase Ran. Frontiers in Plant Science, 2019, 10, 222.	3.6	8
77	Claviariopsins C $\hat{1}$ , Antifungal Cyclic Depsipeptides from the Aquatic Hyphomycete <i>Claviariopsis aquatica</i> . Journal of Natural Products, 2019, 82, 1971-1978.	3.0	7
78	Total synthesis of (4R,5S,6E,14S)- and (4R,5S,6E,14R)-cystothiazoles F. Tetrahedron: Asymmetry, 2007, 18, 513-519.	1.8	6
79	Novel Cerebroside, Termitomycesphin I, from the Mushroom, Termitomyces titanicus. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1407-1409.	1.3	6
80	Linckosides enhance proliferation and induce morphological changes in human olfactory ensheathing cells. Molecular and Cellular Neurosciences, 2016, 75, 1-13.	2.2	6
81	Binding Evaluation of Pradimicins for Oligomannose Motifs from Fungal Mannans. Bulletin of the Chemical Society of Japan, 2021, 94, 732-754.	3.2	6
82	Methanol extract of mycelia from Phytophthora infestans-induced resistance in potato. Comptes Rendus - Biologies, 2015, 338, 185-196.	0.2	5
83	A Pradimicin-Based Staining Dye for Glycoprotein Detection. Journal of Natural Products, 2021, 84, 2496-2501.	3.0	5
84	Lycosides, Unusual Carotenoid-Derived Terpenoid Glycosides from a Vegetable Juice, Inhibit Asexual Reproduction of the Plant Pathogen <i>Phytophthora</i> . Journal of Agricultural and Food Chemistry, 2018, 66, 163-169.	5.2	4
85	The Oxidation of Equol by Tyrosinase Produces a Unique Di-ortho-Quinone: Possible Implications for Melanocyte Toxicity. International Journal of Molecular Sciences, 2021, 22, 9145.	4.1	4
86	Oxidative Transformations of 3,4-Dihydroxyphenylacetaldehyde Generate Potential Reactive Intermediates as Causative Agents for Its Neurotoxicity. International Journal of Molecular Sciences, 2021, 22, 11751.	4.1	4
87	Biosynthesis of 2 $\hat{2}$ -O-Methylmyxalamide D in the Myxobacterium Cystobacter fuscus: a Polyketide Synthase-Nonribosomal Peptide Synthetase System for the Myxalamide D Skeleton and a Methyltransferase for the Final O-Methylation. Bioscience, Biotechnology and Biochemistry, 2006, 70, 699-705.	1.3	2
88	Arenarol isolated from a marine sponge abrogates endothelin-1-stimulated melanogenesis by interrupting MEK phosphorylation in normal human melanocytes. Cytotechnology, 2013, 65, 915-926.	1.6	2
89	d-Mannose binding, aggregation property, and antifungal activity of amide derivatives of pradimicin A. Bioorganic and Medicinal Chemistry, 2022, 55, 116590.	3.0	2
90	The Phytophthora mating hormone $\hat{1}\pm 2$ is an antagonist of the counterhormone $\hat{1}\pm 1$ . Bioscience, Biotechnology and Biochemistry, 2016, 80, 1062-1065.	1.3	1

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91	The Plant Pathogen <i>Phytophthora</i> and Mating Hormones: Science of Sexual Reproduction of a Crop Pest. <i>Kagaku To Seibutsu</i> , 2020, 58, 549-554.	0.0	1
92	Relationship among structure, cytotoxicity, and Michael acceptor reactivity of quinocidin. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115308.	3.0	0
93	Identification of biosynthetic intermediates for the mating hormone $\hat{1}\pm 2$ of the plant pathogen <i>Phytophthora</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1802-1808.	1.3	0
94	Chemical modification of pradimicin A to suppress aggregation without impairing D-mannose-binding and antifungal activities. <i>Tetrahedron</i> , 2022, , 132919.	1.9	0