

Masahiro Natsume

List of Publications by Year in descending order

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44
papers

765
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567281

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times ranked

743
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#	ARTICLE	IF	CITATIONS
1	Distinct Characteristics of Indole-3-Acetic Acid and Phenylacetic Acid, Two Common Auxins in Plants. <i>Plant and Cell Physiology</i> , 2015, 56, 1641-1654.	3.1	142
2	Isolation, physico-chemical properties and biological activity of pamamycin-607, an aerial mycelium-inducing substance from <i>Streptomyces alboniger</i> .. <i>Journal of Antibiotics</i> , 1988, 41, 1196-1204.	2.0	83
3	The structures of four new pamamycin homologues isolated from <i>streptomyces alboniger</i> . <i>Tetrahedron Letters</i> , 1991, 32, 3087-3090.	1.4	47
4	Formation and Dissociation of the BSS1 Protein Complex Regulates Plant Development via Brassinosteroid Signaling. <i>Plant Cell</i> , 2015, 27, 375-390.	6.6	40
5	Production of Phytotoxins, Concanamycins A and B by <i>Streptomyces</i> spp. Causing Potato Scab.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1996, 62, 411-413.	0.1	32
6	HpDTC1, a Stress-Inducible Bifunctional Diterpene Cyclase Involved in Momilactone Biosynthesis, Functions in Chemical Defence in the Moss <i>Hypnum plumaforme</i> . <i>Scientific Reports</i> , 2016, 6, 25316.	3.3	31
7	Structure-activity Relationship of Pamamycins: Effects of Alkyl Substituents.. <i>Journal of Antibiotics</i> , 1995, 48, 1159-1164.	2.0	29
8	Differential Production of the Phytotoxins Thaxtomin A and Concanamycins A and B by Potato Common Scab-causing <i>Streptomyces</i> spp.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1998, 64, 202-204.	0.1	28
9	Phytotoxin produced by <i>Streptomyces</i> sp. causing potato russet scab in Japan. <i>Journal of General Plant Pathology</i> , 2005, 71, 364-369.	1.0	28
10	Relationship between Response to and Production of the Aerial Mycelium-inducing Substances Pamamycin-607 and A-factor. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 803-808.	1.3	20
11	Identification and activity of ethyl gallate as an antimicrobial compound produced by <i>Geranium carolinianum</i> . <i>Weed Biology and Management</i> , 2009, 9, 169-172.	1.4	19
12	Allelochemicals for Plant-Plant and Plant-Microbe Interactions. , 2010, , 539-561.		19
13	Effects of concanamycins produced by <i>Streptomyces scabies</i> on lesion type of common scab of potato. <i>Journal of General Plant Pathology</i> , 2017, 83, 78-82.	1.0	19
14	Reversible Conversion between Teasterone and Its Ester Conjugates in Lily Cell Cultures. <i>Journal of Pesticide Sciences</i> , 2000, 25, 117-122.	1.4	18
15	De-N-methylpamamycin-593A and B, New Pamamycin Derivatives Isolated from <i>Streptomyces alboniger</i> .. <i>Journal of Antibiotics</i> , 1999, 52, 329-331.	2.0	17
16	Identification and use of a wild plant with antimicrobial activity against <i>Ralstonia solanacearum</i> , the cause of bacterial wilt of potato. <i>Weed Biology and Management</i> , 2004, 4, 187-194.	1.4	17
17	Effect of Secondary Metabolites of Tomato (<i>Solanum lycopersicum</i>) on Chemotaxis of <i>Ralstonia solanacearum</i> , Pathogen of Bacterial Wilt Disease. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1807-1813.	5.2	16
18	Roles of the Dimethylamino Group and Macrodiolide Ring of Pamamycin-607 in Its Aerial Mycelium-inducing Activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 1766-1768.	1.3	14

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19	Biosynthetic Origin of the Carbon Skeleton and Nitrogen Atom of Pamamycin-607, a Nitrogen-Containing Polyketide. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 315-320.	1.3	14
20	Antibacterial activity of alkyl gallates and related compounds against <i>Ralstonia solanacearum</i> . <i>Journal of Pesticide Sciences</i> , 2011, 36, 240-242.	1.4	13
21	Identification and activity of a phytotoxin produced by <i>Calonectria ilicicola</i> , the causal agent of soybean red crown rot. <i>Canadian Journal of Plant Pathology</i> , 2011, 33, 347-354.	1.4	13
22	Differentiation of Aerial Mycelia. Pamamycins and Calcium Ion in <i>Streptomyces alboniger</i> . <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 1999, 13, 11-19.	0.3	13
23	Effect of Pamamycin-607 on Secondary Metabolite Production by <i>Streptomyces</i> spp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1722-1726.	1.3	12
24	Phytotoxin produced by the netted scab pathogen, <i>Streptomyces turgidiscabies</i> strain 65, isolated in Sweden. <i>Journal of General Plant Pathology</i> , 2018, 84, 108-117.	1.0	11
25	Phytotoxin Production and Aerial Mycelium Formation by <i>Streptomyces scabies</i> and <i>S. acidiscabies</i> in Vitro. <i>Journal of General Plant Pathology</i> , 2001, 67, 299-302.	1.0	9
26	Effects of N-Demethylation of Pamamycins on Aerial Mycelium-Inducing and Growth Inhibition Activities. <i>Journal of Pesticide Sciences</i> , 2001, 26, 149-153.	1.4	8
27	Nitrogen Incorporation in the Biosynthetic Pathway of the Nitrogen-containing Polyketide, Pamamycin in <i>Streptomyces alboniger</i> . <i>Journal of Antibiotics</i> , 2005, 58, 722-730.	2.0	7
28	Structure-activity Relationship of Pamamycins: Effect of Side Chain Length on Aerial Mycelium-inducing Activity. <i>Journal of Antibiotics</i> , 2008, 61, 98-102.	2.0	6
29	Analysis of ent-kaurenoic acid by ultra-performance liquid chromatography-tandem mass spectrometry. <i>Biochemistry and Biophysics Reports</i> , 2015, 2, 103-107.	1.3	6
30	Ethyl β -D-glucoside: a novel chemoattractant of <i>Ralstonia solanacearum</i> isolated from tomato root exudates by a bioassay-guided fractionation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 2049-2052.	1.3	6
31	Control of potato scab by <i>Geranium carolinianum</i> L.. <i>Weed Biology and Management</i> , 2007, 7, 124-127.	1.4	5
32	Biochemical synthesis of uniformly ¹³ C-labeled diterpene hydrocarbons and their bioconversion to diterpenoid phytoalexins in planta. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1176-1184.	1.3	5
33	Bioassay-guided isolation of a novel chemoattractant for <i>Ralstonia solanacearum</i> in tomato root exudates. <i>Journal of General Plant Pathology</i> , 2018, 84, 20-26.	1.0	5
34	Structural Determination of Hypnosin, a Spore Germination Inhibitor of Phytopathogenic <i>Streptomyces</i> sp. Causing Root Tumor in Melon (<i>Cucumis</i> sp.). <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 10622-10627.	5.2	4
35	Conjugated and Unconjugated Brassinosteroids. <i>ACS Symposium Series</i> , 2000, , 91-101.	0.5	3
36	Studies on bioactive natural products involved in the growth and morphological differentiation of microorganisms. <i>Journal of Pesticide Sciences</i> , 2016, 41, 96-101.	1.4	2

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37	Synergistic Effect of Sterol Glucoside on Brassinolide Activity in Lamina Inclination and Epicotyl Elongation. <i>Journal of Pesticide Sciences</i> , 1996, 21, 209-211.	1.4	2
38	Effect of Antibiotics on Formation of Aerial Mycelium and Production of Phytotoxins in <i>Streptomyces</i> spp.. <i>Journal of Pesticide Sciences</i> , 2003, 28, 183-187.	1.4	1
39	Isolation and structural properties of aerial mycelium differentiation-inhibitory substances against <i>Streptomyces scabiei</i> causing potato common scab. <i>Journal of Pesticide Sciences</i> , 2007, 32, 131-134.	1.4	1
40	Phytotoxin Produced by <i>Streptomyces cheloniumii</i> Causing Potato Russet Scab. <i>ACS Symposium Series</i> , 2004, , 239-245.	0.5	0
41	Recent development of pesticides (1). <i>Japanese Journal of Pesticide Science</i> , 2014, 39, 68-68.	0.0	0
42	Recent development of pesticides (2). <i>Japanese Journal of Pesticide Science</i> , 2014, 39, 152-152.	0.0	0
43	å,åœ°ã@ç”Ÿç” ħç³/4åã•ã,%i¼^1i¼%. <i>Japanese Journal of Pesticide Science</i> , 2014, 39, 167-167.	0.0	0
44	Study on bioactive natural products involved in the growth and morphological differentiation of microorganisms. <i>Japanese Journal of Pesticide Science</i> , 2016, 41, 169-174.	0.0	0