

Masahiro Miyashita

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

581
citations

623734

14
h-index

677142

22
g-index

52
all docs

52
docs citations

52
times ranked

812
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface plasmon resonance-based immunoassay for 17 β -estradiol and its application to the measurement of estrogen receptor-binding activity. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 667-673.	3.7	65
2	Characterization of peptide components in the venom of the scorpion <i>Liocheles australasiae</i> (Hemiscorpiidae). <i>Toxicon</i> , 2007, 50, 428-437.	1.6	50
3	Metabolism of Imidacloprid in Houseflies. <i>Journal of Pesticide Sciences</i> , 2004, 29, 110-116.	1.4	44
4	A Novel Amphipathic Linear Peptide with Both Insect Toxicity and Antimicrobial Activity from the Venom of the Scorpion <i>Isometrus maculatus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 364-369.	1.3	39
5	Purification and characterization of a novel short-chain insecticidal toxin with two disulfide bridges from the venom of the scorpion <i>Liocheles australasiae</i> . <i>Toxicon</i> , 2007, 50, 861-867.	1.6	32
6	LC/MS/MS identification of 20-hydroxyecdysone in a scorpion (<i>Liocheles australasiae</i>) and its binding affinity to in vitro-translated molting hormone receptors. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 932-937.	2.7	25
7	Winners of CASMI2013: Automated Tools and Challenge Data. <i>Mass Spectrometry</i> , 2014, 3, S0039-S0039.	0.6	24
8	Cellular internalization of arginine-rich peptides into tobacco suspension cells: a structure-activity relationship study. <i>Journal of Peptide Science</i> , 2009, 15, 259-263.	1.4	22
9	Enantioselective recognition of mono-demethylated methoxychlor metabolites by the estrogen receptor. <i>Chemosphere</i> , 2004, 54, 1273-1276.	8.2	20
10	Improving peptide fragmentation by N-terminal derivatization with high proton affinity. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1130-1140.	1.5	20
11	Development of a Colorimetric Assay for Determining the Amount of H ₂ O ₂ Generated in Tobacco Cells in Response to Elicitors and Its Application to Study of the Structure-Activity Relationship of Flagellin-Derived Peptides. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 2138-2144.	1.3	18
12	Complete de novo sequencing of antimicrobial peptides in the venom of the scorpion <i>Isometrus maculatus</i> . <i>Toxicon</i> , 2017, 139, 1-12.	1.6	16
13	Chemical synthesis of a two-domain scorpion toxin LaIT2 and its single-domain analogs to elucidate structural factors important for insecticidal and antimicrobial activities. <i>Journal of Peptide Science</i> , 2018, 24, e3133.	1.4	15
14	Inhibitory Activity of Analogs of AM-Toxin, a Host-specific Phytotoxin from the <i>Alternaria alternata</i> Apple Pathotype, on Photosynthetic O ₂ Evolution in Apple Leaves. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 635-638.	1.3	14
15	Involvement of the Rice <i>OsSAUR51</i> Gene in the Auxin-related Field Resistance Mechanism against Bacterial Blight Disease. <i>Japan Agricultural Research Quarterly</i> , 2016, 50, 219-227.	0.4	14
16	Solution structure of a short-chain insecticidal toxin LaIT1 from the venom of scorpion <i>Liocheles australasiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 738-744.	2.1	13
17	Discovery of a Small Peptide from Combinatorial Libraries That Can Activate the Plant Immune System by a Jasmonic Acid Signaling Pathway. <i>ChemBioChem</i> , 2011, 12, 1323-1329.	2.6	13
18	Purification and cDNA Cloning of LaIT2, a Novel Insecticidal Toxin from Venom of the Scorpion <i>Liocheles australasiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2769-2772.	1.3	11

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19	Continuous Stimulation of the Plant Immune System by the Peptide Elicitor PIP-1 Is Required for Phytoalexin Biosynthesis in Tobacco Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5781-5788.	5.2	10
20	Isolation and Characterization of an Anti-Insect β -Toxin from the Venom of the Scorpion <i>Isometrus maculatus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 205-207.	1.3	9
21	Isolation and characterization of the insecticidal, two-domain toxin LaIT3 from the <i>Liocheles australasiae</i> scorpion venom. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 2183-2189.	1.3	9
22	Isolation and Characterization of Insecticidal Toxins from the Venom of the North African Scorpion, <i>Buthacus leptochelys</i> . <i>Toxins</i> , 2019, 11, 236.	3.4	9
23	Involvement of Indole-3-Acetic Acid Metabolism in the Early Fruit Development of the Parthenocarpic Tomato Cultivar, MPK-1. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 189-198.	5.1	7
24	Identification of an antiviral component from the venom of the scorpion <i>Liocheles australasiae</i> using transcriptomic and mass spectrometric analyses. <i>Toxicon</i> , 2021, 191, 25-37.	1.6	7
25	Structure-Activity Relationship Study of Host-Specific Phytotoxins (AM-Toxin Analogs) Using a New Assay Method with Leaves from Apple Meristem Culture. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2001, 56, 1029-1037.	1.4	6
26	N-Terminal Derivatization with Structures Having High Proton Affinity for Discrimination between Leu and Ile Residues in Peptides by High-Energy Collision-Induced Dissociation. <i>Mass Spectrometry</i> , 2016, 5, A0051-A0051.	0.6	6
27	A Facile Method for Preferential Modification of the N-Terminal Amino Group of Peptides Using Triazine-Based Coupling Reagents. <i>Mass Spectrometry</i> , 2017, 6, A0059-A0059.	0.6	6
28	Non-target-site mechanism of glyphosate resistance in Italian ryegrass (<i>Lolium multiflorum</i>). <i>Weed Biology and Management</i> , 2018, 18, 127-135.	1.4	6
29	A Fluorescent Compound from the Exuviae of the Scorpion, <i>Liocheles australasiae</i> . <i>Journal of Natural Products</i> , 2020, 83, 542-546.	3.0	6
30	Development of a High-Throughput Screening Method Using a Cell-Based, Lawn Format Assay for the Identification of Novel Plant Defense Activators from Combinatorial Peptide Libraries. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 806-811.	5.2	5
31	Isolation and Characterization of a Novel Non-Selective β -Toxin from the Venom of the Scorpion <i>Isometrus maculatus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 2089-2092.	1.3	5
32	Characterization of the venom of the vermivorous cone snail <i>Conus fulgetrum</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1879-1882.	1.3	5
33	Isolation, structural identification and biological characterization of two conopeptides from the <i>Conus pennaceus</i> venom. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 2086-2089.	1.3	5
34	Characterization of the Recombinant UDP:flavonoid 3-O-galactosyltransferase from <i>Mangifera indica</i> Irwin TM (MiUFGaT3) involved in Skin Coloring. <i>Horticulture Journal</i> , 2020, 89, 516-524.	0.8	5
35	Chemical synthesis of La1 isolated from the venom of the scorpion <i>Liocheles australasiae</i> and determination of its disulfide bonding pattern. <i>Journal of Peptide Science</i> , 2015, 21, 636-643.	1.4	4
36	Characterization of 2 linear peptides without disulfide bridges from the venom of the spider <i>Lycosa poonaensis</i> (Lycosidae). <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1348-1356.	1.3	4

