Masahiro Miyashita

List of Publications by Year
in descending order

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	Identification of an antiviral component from the venom of the scorpion Liocheles australasiae using transcriptomic and mass spectrometric analyses. Toxicon, 2021, 191, 25-37.	1.6	7
2	Characterization of 2 linear peptides without disulfide bridges from the venom of the spider <i>Lycosa poonaensis</i> (Lycosidae). Bioscience, Biotechnology and Biochemistry, 2021, 85, 1348-1356.	1.3	4
3	<i>De Novo</i> Sequencing Analysis of a Linear Peptide in the Venom of the Scorpion <i>Buthacus leptochelys</i>. Journal of the Mass Spectrometry Society of Japan, 2021, 69, 41-45.	0.1	0
4	Effects of a pyroglutamyl pentapeptide isolated from fermented barley extract on atopic dermatitis-like skin lesions in hairless mouse. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1696-1705.	1.3	2
5	A Fluorescent Compound from the Exuviae of the Scorpion, <i>Liocheles australasiae</i>. Journal of Natural Products, 2020, 83, 542-546.	3.0	6
6	Characterization of the Recombinant UDP:flavonoid 3-<i>O</i>-galactosyltransferase from <i>Mangifera indica</i> â€˜Irwinâ€™ (MiUFGalT3) involved in Skin Coloring. Horticulture Journal, 2020, 89, 516-524.	0.8	5
7	Involvement of Indole-3-Acetic Acid Metabolism in the Early Fruit Development of the Parthenocarpic Tomato Cultivar, MPK-1. Journal of Plant Growth Regulation, 2019, 38, 189-198.	5.1	7
8	Isolation and characterization of the insecticidal, two-domain toxin LaIT3 from the <i>Liocheles australasiae</i> scorpion venom. Bioscience, Biotechnology and Biochemistry, 2019, 83, 2183-2189.	1.3	9
9	Isolation and Characterization of Insecticidal Toxins from the Venom of the North African Scorpion, Buthacus leptochelys. Toxins, 2019, 11, 236.	3.4	9
10	Chemical synthesis of a twoâ€domain scorpion toxin LaIT2 and its singleâ€domain analogs to elucidate structural factors important for insecticidal and antimicrobial activities. Journal of Peptide Science, 2018, 24, e3133.	1.4	15
11	Nonâ€targetâ€site mechanism of glyphosate resistance in Italian ryegrass (Lolium multiflorum). Weed Biology and Management, 2018, 18, 127-135.	1.4	6
12	Complete de novo sequencing of antimicrobial peptides in the venom of the scorpion Isometrus maculatus. Toxicon, 2017, 139, 1-12.	1.6	16
13	Isolation, structural identification and biological characterization of two conopeptides from the <i>Conus pennaceus</i> venom. Bioscience, Biotechnology and Biochemistry, 2017, 81, 2086-2089.	1.3	5
14	A Facile Method for Preferential Modification of the N-Terminal Amino Group of Peptides Using Triazine-Based Coupling Reagents. Mass Spectrometry, 2017, 6, A0059-A0059.	0.6	6
15	Fundamental and Practical Aspects of <i>de novo</i> Peptide Sequencing. Journal of the Mass Spectrometry Society of Japan, 2017, 65, 231-238.	0.1	1
16	Characterization of the venom of the vermivorous cone snail <i>Conus fulgetrum</i>. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1879-1882.	1.3	5
17	N-Terminal Derivatization with Structures Having High Proton Affinity for Discrimination between Leu and Ile Residues in Peptides by High-Energy Collision-Induced Dissociation. Mass Spectrometry, 2016, 5, A0051-A0051.	0.6	6
18	Early signaling events induced by the peptide elicitor PIP-1 necessary for acetosyringone accumulation in tobacco cells. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1054-1057.	1.3	2

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19	Involvement of the Rice <i>OsSAUR51</i> Gene in the Auxin-related Field Resistance Mechanism against Bacterial Blight Disease. Japan Agricultural Research Quarterly, 2016, 50, 219-227.	0.4	14
20	Photocontrol of Elicitor Activity of PIP-1 to Investigate Temporal Factors Involved in Phytoalexin Biosynthesis. Journal of Agricultural and Food Chemistry, 2015, 63, 5894-5901.	5.2	1
21	Chemical synthesis of La1 isolated from the venom of the scorpion <scp><i>Liocheles australasiae</i></scp> and determination of its disulfide bonding pattern. Journal of Peptide Science, 2015, 21, 636-643.	1.4	4
22	Winners of CASMI2013: Automated Tools and Challenge Data. Mass Spectrometry, 2014, 3, S0039-S0039.	0.6	24
23	Crystallization and preliminary X-ray diffraction studies of La1 from<i>Liocheles australasiae</i>. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 915-917.	0.8	2
24	Continuous Stimulation of the Plant Immune System by the Peptide Elicitor PIP-1 Is Required for Phytoalexin Biosynthesis in Tobacco Cells. Journal of Agricultural and Food Chemistry, 2014, 62, 5781-5788.	5.2	10
25	Isolation and Characterization of an Anti-Insect Î²-Toxin from the Venom of the Scorpion<i>Isometrus maculatus</i>. Bioscience, Biotechnology and Biochemistry, 2013, 77, 205-207.	1.3	9
26	Differential 14N/15N-Labeling of Peptides Using N-Terminal Charge Derivatization with a High-Proton Affinity for Straightforward de novo Peptide Sequencing. Mass Spectrometry, 2013, 2, A0024-A0024.	0.6	0
27	Isolation and Characterization of a Novel Non-Selective Î²-Toxin from the Venom of the Scorpion<i>Isometrus maculatus</i>. Bioscience, Biotechnology and Biochemistry, 2012, 76, 2089-2092.	1.3	5
28	Solution structure of a short-chain insecticidal toxin LaIT1 from the venom of scorpion Liocheles australasiae. Biochemical and Biophysical Research Communications, 2011, 411, 738-744.	2.1	13
29	LC/MS/MS identification of 20-hydroxyecdysone in a scorpion (Liocheles australasiae) and its binding affinity to inÂvitro-translated molting hormone receptors. Insect Biochemistry and Molecular Biology, 2011, 41, 932-937.	2.7	25
30	Improving peptide fragmentation by Nâ€terminal derivatization with high proton affinity. Rapid Communications in Mass Spectrometry, 2011, 25, 1130-1140.	1.5	20
31	Discovery of a Small Peptide from Combinatorial Libraries That Can Activate the Plant Immune System by a Jasmonic Acid Signaling Pathway. ChemBioChem, 2011, 12, 1323-1329.	2.6	13
32	The 12th IUPAC International Congress of Pesticide Chemistry. Journal of Pesticide Sciences, 2011, 36, 188-194.	1.4	0
33	Studies on bioorganic chemistry of peptides active against insects and plants. Journal of Pesticide Sciences, 2010, 35, 496-498.	1.4	1
34	A Novel Amphipathic Linear Peptide with Both Insect Toxicity and Antimicrobial Activity from the Venom of the Scorpion<i>Isometrus maculatus</i>. Bioscience, Biotechnology and Biochemistry, 2010, 74, 364-369.	1.3	39
35	ç¬¬7å›žè¾²è–¬ãƒã‚ªã‚µã‚¨ãƒ³ã‚¹ç”°ç©¶ä¼šãŒè¾²è–¬ç§‘å¦ã®æœªæ¥ã‚'è€ƒãˆã‚‹â€•æ˜†è™«ç§‘å¦ã®æœ€å‰ç·šã€• Journal of Pesti	1.4	0
36	Studies on bioorganic chemistry of peptides active against insects and plants. Journal of Pesticide Sciences, 2010, 35, 526-533.	1.4	0

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37	Cellular internalization of arginineâ€rich peptides into tobacco suspension cells: a structureâ€“activity relationship study. Journal of Peptide Science, 2009, 15, 259-263.	1.4	22
38	Purification and cDNA Cloning of LaIT2, a Novel Insecticidal Toxin from Venom of the Scorpion<i>Liocheles australasiae</i>. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2769-2772.	1.3	11
39	Plant Pathogen Recognition as a Natural, Original and Simple Model for Chemogenomics: A Brief Overview of Cell-Based Assays to Screen for Peptides Acting as Plant Defense Activators. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 647-652.	1.1	1
40	Characterization of peptide components in the venom of the scorpion Liocheles australasiae (Hemiscorpiidae). Toxicon, 2007, 50, 428-437.	1.6	50
41	Purification and characterization of a novel short-chain insecticidal toxin with two disulfide bridges from the venom of the scorpion Liocheles australasiae. Toxicon, 2007, 50, 861-867.	1.6	32
42	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. Journal of Agricultural and Food Chemistry, 2007, 55, 806-811.	5.2	5
43	Development of a Colorimetric Assay for Determining the Amount of H2O2Generated in Tobacco Cells in Response to Elicitors and Its Application to Study of the Structure-Activity Relationship of Flagellin-Derived Peptides. Bioscience, Biotechnology and Biochemistry, 2006, 70, 2138-2144.	1.3	18
44	Surface plasmon resonance-based immunoassay for 17?-estradiol and its application to the measurement of estrogen receptor-binding activity. Analytical and Bioanalytical Chemistry, 2005, 381, 667-673.	3.7	65
45	Evaluation of Estrogen Receptor Binding Affinity of DDT-Related Compounds and Their Metabolites. ACS Symposium Series, 2005, , 159-166.	0.5	1
46	Metabolism of Imidacloprid in Houseflies. Journal of Pesticide Sciences, 2004, 29, 110-116.	1.4	44
47	Enantioselective recognition of mono-demethylated methoxychlor metabolites by the estrogen receptor. Chemosphere, 2004, 54, 1273-1276.	8.2	20
48	Inhibitory Activity of Analogs of AM-Toxin, a Host-specific Phytotoxin from theAlternaria alternataApple Pathotype, on Photosynthetic O2Evolution in Apple Leaves. Bioscience, Biotechnology and Biochemistry, 2003, 67, 635-638.	1.3	14
49	Applications of Accelerator Mass Spectrometry (AMS) to Biochemical Studies. Journal of Pesticide Sciences, 2002, 27, 71-76.	1.4	1
50	Structure-Activity Relationship Study of Host-Specific Phytotoxins (AM-Toxin Analogs) Using a New Assay Method with Leaves from Apple Meristem Culture. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2001, 56, 1029-1037.	1.4	6