

# Koji Miyamoto

## List of Publications by Year in descending order

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34  
papers

1,423  
citations

304743

22  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1764  
citing authors

#	ARTICLE	IF	CITATIONS
1	The rice wound-inducible transcription factor RERJ1 sharing same signal transduction pathway with OsMYC2 is necessary for defense response to herbivory and bacterial blight. <i>Plant Molecular Biology</i> , 2022, 109, 651-666.	3.9	19
2	Chitoooligosaccharide elicitor and oxylipins synergistically elevate phytoalexin production in rice. <i>Plant Molecular Biology</i> , 2022, 109, 595-609.	3.9	11
3	Functional kaurene-synthase-like diterpene synthases lacking a gamma domain are widely present in <i>Oryza</i> and related species. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1945-1952.	1.3	1
4	Unique localization of jasmonic acid-related compounds in developing <i>Phaseolus vulgaris</i> L. (common) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Phytochemistry</i> , 2021, 188, 112812.	2.9	5
5	Sphingadienine-1-phosphate levels are regulated by a novel glycoside hydrolase family 1 glucocerebrosidase widely distributed in seed plants. <i>Journal of Biological Chemistry</i> , 2021, 297, 101236.	3.4	4
6	Direct LC-ESI-MS/MS analysis of plant glucosylceramide and ceramide species with 8 <i>E</i> and 8 <i>Z</i> isomers of the long chain base. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 205-210.	1.3	6
7	Deciphering OPDA Signaling Components in the Momilactone-Producing Moss. <i>Frontiers in Plant Science</i> , 2021, 12, 688565.	3.6	1
8	Genomic evidence for convergent evolution of gene clusters for momilactone biosynthesis in land plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12472-12480.	7.1	73
9	PUB4, a CERK1-Interacting Ubiquitin Ligase, Positively Regulates MAMP-Triggered Immunity in Arabidopsis. <i>Plant and Cell Physiology</i> , 2019, 60, 2573-2583.	3.1	33
10	Facile preparation of optically active jasmonates and their biological activities in rice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 876-881.	1.3	7
11	Expression of <i>RSOsPR10</i> in rice roots is antagonistically regulated by jasmonate/ethylene and salicylic acid via the activator OsERF87 and the repressor OsWRKY76, respectively. <i>Plant Direct</i> , 2018, 2, e00049.	1.9	9
12	Distribution Analysis of Anthocyanins, Sugars, and Organic Acids in Strawberry Fruits Using Matrix-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4958-4965.	5.2	73
13	<i>In planta</i> functions of cytochrome P450 monooxygenase genes in the phytocassane biosynthetic gene cluster on rice chromosome 2. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1021-1030.	1.3	14
14	Characterization of diterpene synthase genes in the wild rice species <i>Oryza brachyatha</i> provides evolutionary insight into rice phytoalexin biosynthesis. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1221-1227.	2.1	9
15	OsMYC2, an essential factor for JA-inductive sakuranetin production in rice, interacts with MYC2-like proteins that enhance its transactivation ability. <i>Scientific Reports</i> , 2017, 7, 40175.	3.3	55
16	Visualisation of abscisic acid and 12-oxo-phytodienoic acid in immature <i>Phaseolus vulgaris</i> L. seeds using desorption electrospray ionisation-imaging mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 42977.	3.3	33
17	OsMYC2 mediates numerous defence-related transcriptional changes via jasmonic acid signalling in rice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 796-803.	2.1	28
18	<i>Echinochloa crus-galli</i> genome analysis provides insight into its adaptation and invasiveness as a weed. <i>Nature Communications</i> , 2017, 8, 1031.	12.8	138

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19	OsTGAP1 is responsible for JA-inducible diterpenoid phytoalexin biosynthesis in rice roots with biological impacts on allelopathic interaction. <i>Physiologia Plantarum</i> , 2017, 161, 532-544.	5.2	23
20	The Multivesicular Bodies (MVBs)-Localized AAA ATPase LRD6-6 Inhibits Immunity and Cell Death Likely through Regulating MVBs-Mediated Vesicular Trafficking in Rice. <i>PLoS Genetics</i> , 2016, 12, e1006311.	3.5	81
21	HpDTC1, a Stress-Inducible Bifunctional Diterpene Cyclase Involved in Momilactone Biosynthesis, Functions in Chemical Defence in the Moss <i>Hypnum plumaeforme</i> . <i>Scientific Reports</i> , 2016, 6, 25316.	3.3	31
22	Characterization and evolutionary analysis of ent-kaurene synthase like genes from the wild rice species <i>Oryza rufipogon</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 402-408.	2.1	12
23	Evolutionary trajectory of phytoalexin biosynthetic gene clusters in rice. <i>Plant Journal</i> , 2016, 87, 293-304.	5.7	76
24	Jasmonoyl-isoleucine is required for the production of a flavonoid phytoalexin but not diterpenoid phytoalexins in ultraviolet-irradiated rice leaves. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1934-1938.	1.3	23
25	Transcripts of two ent-copalyl diphosphate synthase genes differentially localize in rice plants according to their distinct biological roles. <i>Journal of Experimental Botany</i> , 2015, 66, 369-376.	4.8	30
26	Overexpression of the bZIP transcription factor OsbZIP79 suppresses the production of diterpenoid phytoalexin in rice cells. <i>Journal of Plant Physiology</i> , 2015, 173, 19-27.	3.5	70
27	Identification of Target Genes of the bZIP Transcription Factor OsTGAP1, Whose Overexpression Causes Elicitor-Induced Hyperaccumulation of Diterpenoid Phytoalexins in Rice Cells. <i>PLoS ONE</i> , 2014, 9, e105823.	2.5	33
28	Transcriptional regulation of the biosynthesis of phytoalexin: A lesson from specialized metabolites in rice. <i>Plant Biotechnology</i> , 2014, 31, 377-388.	1.0	27
29	Overexpression of Phosphomimic Mutated OsWRKY53 Leads to Enhanced Blast Resistance in Rice. <i>PLoS ONE</i> , 2014, 9, e98737.	2.5	94
30	Stress-induced expression of the transcription factor RERJ1 is tightly regulated in response to jasmonic acid accumulation in rice. <i>Protoplasma</i> , 2013, 250, 241-249.	2.1	24
31	OsWRKY28, a PAMP-responsive transrepressor, negatively regulates innate immune responses in rice against rice blast fungus. <i>Plant Molecular Biology</i> , 2013, 82, 23-37.	3.9	142
32	OsJAR1 Contributes Mainly to Biosynthesis of the Stress-Induced Jasmonoyl-Isoleucine Involved in Defense Responses in Rice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1556-1564.	1.3	59
33	Identification of an E-box motif responsible for the expression of jasmonic acid-induced chitinase gene OsChia4a in rice. <i>Journal of Plant Physiology</i> , 2012, 169, 621-627.	3.5	39
34	OsTGAP1, a bZIP Transcription Factor, Coordinately Regulates the Inductive Production of Diterpenoid Phytoalexins in Rice. <i>Journal of Biological Chemistry</i> , 2009, 284, 26510-26518.	3.4	140