Kazunori Okada

List of Publications by Year
in descending order

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108	5,143	101543	95266
papers	citations	36 h-index	68 g-index

109	109	109	5501
all docs	docs citations	times ranked	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. Plant Molecular Biology, 2022, 109, 651-666.	3.9	19
2	Chitooligosaccharide elicitor and oxylipins synergistically elevate phytoalexin production in rice. Plant Molecular Biology, 2022, 109, 595-609.	3.9	11
3	A toxinâ€“antitoxin system confers stability to the IncP-7 plasmid pCAR1. Gene, 2022, 812, 146068.	2.2	4
4	Aerial (+)-borneol modulates root morphology, auxin signalling and meristematic activity in Arabidopsis roots. Biology Letters, 2022, 18, 20210629.	2.3	2
5	The Î±- and Î²-Subunit Boundary at the Stem of the Mushroom-Like Î± ₃ Î² ₃ -Type Oxygenase Component of Rieske Non-Heme Iron Oxygenases Is the Rieske-Type Ferredoxin-Binding Site. Applied and Environmental Microbiology, 2022, 88, .	3.1	3
6	Lateral transfers lead to the birth of momilactone biosynthetic gene clusters in grass. Plant Journal, 2022, 111, 1354-1367.	5.7	8
7	Acetic-acid-induced jasmonate signaling in root enhances drought avoidance in rice. Scientific Reports, 2021, 11, 6280.	3.3	23
8	Genome-wide screening of genes associated with momilactone B sensitivity in the fission yeast <i>Schizosaccharomyces pombe</i>. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	2
9	A Novel Gene Cluster Is Involved in the Degradation of Lignin-Derived Monoaromatics in Thermus oshimai JL-2. Applied and Environmental Microbiology, 2021, 87, .	3.1	4
10	Azoxystrobin amine: A novel azoxystrobin degradation product from Bacillus licheniformis strain TAB7. Chemosphere, 2021, 273, 129663.	8.2	3
11	Functional kaurene-synthase-like diterpene synthases lacking a gamma domain are widely present in <i>Oryza</i> and related species. Bioscience, Biotechnology and Biochemistry, 2021, 85, 1945-1952.	1.3	1
12	Deciphering OPDA Signaling Components in the Momilactone-Producing Moss. Frontiers in Plant Science, 2021, 12, 688565.	3.6	1
13	ä¸‹ç‰©æ¤ç‰©©ã§åˆã‚ã¦è¦‹ã¤ã‹ã£ãŸé˜²å¾¡ç‰©©è³ªã®ç”Ÿåˆæˆéºä¼åã‚¯ãƒ©ã‚¹ã‚¿ãƒ¼. Kagaku To Seibutsu, 2021, 59, 56-58.	0.0	0
14	Biotransformation of Monocyclic Phenolic Compounds by Bacillus licheniformis TAB7. Microorganisms, 2020, 8, 26.	3.6	6
15	Evolution of Labdane-Related Diterpene Synthases in Cereals. Plant and Cell Physiology, 2020, 61, 1850-1859.	3.1	11
16	H-NS Family Proteins Drastically Change Their Targets in Response to the Horizontal Transfer of the Catabolic Plasmid pCAR1. Frontiers in Microbiology, 2020, 11, 1099.	3.5	4
17	Genomic evidence for convergent evolution of gene clusters for momilactone biosynthesis in land plants. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12472-12480.	7.1	73
18	A Novel Small RNA on the Pseudomonas putida KT2440 Chromosome Is Involved in the Fitness Cost Imposed by IncP-1 Plasmid RP4. Frontiers in Microbiology, 2020, 11, 1328.	3.5	5

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19	Classifying shoulder implants in X-ray images using deep learning. Computational and Structural Biotechnology Journal, 2020, 18, 967-972.	4.1	33
20	OsDCL1aactivation impairs phytoalexin biosynthesis and compromises disease resistance in rice. Annals of Botany, 2019, 123, 79-93.	2.9	15
21	Complete Genome Sequence of Thalassococcus sp. Strain S3, a Marine Roseobacter Clade Member Capable of Degrading Carbazole. Microbiology Resource Announcements, 2019, 8, .	0.6	5
22	Complete Genome Sequence of Bacillus licheniformis TAB7, a Compost-Deodorizing Strain with Potential for Plant Growth Promotion. Microbiology Resource Announcements, 2019, 8, .	0.6	4
23	Complete Genome Sequence of an Anaerobic Benzene-Degrading Bacterium, Azoarcus sp. Strain DN11. Microbiology Resource Announcements, 2019, 8, .	0.6	7
24	Sensitivity and specificity of computer vision classification of eyelid photographs for programmatic trachoma assessment. PLoS ONE, 2019, 14, e0210463.	2.5	13
25	Osa-miR7695 enhances transcriptional priming in defense responses against the rice blast fungus. BMC Plant Biology, 2019, 19, 563.	3.6	34
26	Proteome and acylome analyses of the functional interaction network between the carbazoleâ€degradative plasmid pCAR1 and host Pseudomonas putida KT2440. Environmental Microbiology Reports, 2018, 10, 299-309.	2.4	8
27	In planta functions of cytochrome P450 monooxygenase genes in the phytocassane biosynthetic gene cluster on rice chromosome 2. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1021-1030.	1.3	14
28	Conjugative Selectivity of Plasmids Is Affected by Coexisting Recipient Candidates. MSphere, 2018, 3, .	2.9	7
29	Complete Genome Sequence of the Marine Carbazole-Degrading Bacterium Erythrobacter sp. Strain KY5. Microbiology Resource Announcements, 2018, 7, .	0.6	5
30	Differential protein-protein binding affinities of H-NS family proteins encoded on the chromosome of Pseudomonas putida KT2440 and IncP-7 plasmid pCAR1. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1640-1646.	1.3	6
31	Characterization of diterpene synthase genes in the wild rice species Oryza brachyatha provides evolutionary insight into rice phytoalexin biosynthesis. Biochemical and Biophysical Research Communications, 2018, 503, 1221-1227.	2.1	9
32	Divalent cations increase the conjugation efficiency of the incompatibility P-7 group plasmid pCAR1 among different Pseudomonas hosts. Microbiology (United Kingdom), 2018, 164, 20-27.	1.8	9
33	Thermophilic bacteria are potential sources of novel Rieske non-heme iron oxygenases. AMB Express, 2017, 7, 17.	3.0	5
34	OsMYC2, an essential factor for JA-inductive sakuranetin production in rice, interacts with MYC2-like proteins that enhance its transactivation ability. Scientific Reports, 2017, 7, 40175.	3.3	55
35	Biochemical synthesis of uniformly 13C-labeled diterpene hydrocarbons and their bioconversion to diterpenoid phytoalexins in planta. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1176-1184.	1.3	5
36	OsMYC2 mediates numerous defence-related transcriptional changes via jasmonic acid signalling in rice. Biochemical and Biophysical Research Communications, 2017, 486, 796-803.	2.1	28

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37	Echinochloa crus-galli genome analysis provides insight into its adaptation and invasiveness as a weed. Nature Communications, 2017, 8, 1031.	12.8	138
38	OsTGAP1 is responsible for JAâ€inducible diterpenoid phytoalexin biosynthesis in rice roots with biological impacts on allelopathic interaction. Physiologia Plantarum, 2017, 161, 532-544.	5.2	23
39	Growth phase-dependent expression profiles of three vital H-NS family proteins encoded on the chromosome of Pseudomonas putida KT2440 and on the pCAR1 plasmid. BMC Microbiology, 2017, 17, 188.	3.3	11
40	Effects of carbazoleâ€degradative plasmid <scp>pCAR1</scp> on biofilm morphology in Pseudomonas putidaâ€…<scp>KT</scp>2440. Environmental Microbiology Reports, 2016, 8, 261-271.	2.4	6
41	MyoHMI: A low-cost and flexible platform for developing real-time human machine interface for myoelectric controlled applications. , 2016, , .		12
42	HpDTC1, a Stress-Inducible Bifunctional Diterpene Cyclase Involved in Momilactone Biosynthesis, Functions in Chemical Defence in the Moss Hypnum plumaeforme. Scientific Reports, 2016, 6, 25316.	3.3	31
43	Using the random forest classifier to assess and predict student learning of Software Engineering Teamwork. , 2016, , .		30
44	Structural similarities and differences in Hâ€<scp>NS</scp> family proteins revealed by the Nâ€terminal structure of TurB in Pseudomonas putida <scp>KT</scp>2440. FEBS Letters, 2016, 590, 3583-3594.	2.8	12
45	Modulation of plant defense responses to herbivores by simultaneous recognition of different herbivore-associated elicitors in rice. Scientific Reports, 2016, 6, 32537.	3.3	53
46	Characterization and evolutionary analysis of ent-kaurene synthase like genes from the wild rice species Oryza rufipogon. Biochemical and Biophysical Research Communications, 2016, 480, 402-408.	2.1	12
47	Spermidine, a polyamine, confers resistance to rice blast. Journal of Pesticide Sciences, 2016, 41, 79-82.	1.4	10
48	Evolutionary trajectory of phytoalexin biosynthetic gene clusters in rice. Plant Journal, 2016, 87, 293-304.	5.7	76
49	Jasmonoyl-<scp>l</scp>-isoleucine is required for the production of a flavonoid phytoalexin but not diterpenoid phytoalexins in ultraviolet-irradiated rice leaves. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1934-1938.	1.3	23
50	Overexpression of RSOsPR10, a root-specific rice PR10 gene, confers tolerance against drought stress in rice and drought and salt stresses in bentgrass. Plant Cell, Tissue and Organ Culture, 2016, 127, 35-46.	2.3	18
51	Purification and partial characterization of the extradiol dioxygenase, 2â€²-carboxy-2,3-dihydroxybiphenyl 1,2-dioxygenase, in the fluorene degradation pathway from Rhodococcus sp. strain DFA3. Bioscience, Biotechnology and Biochemistry, 2016, 80, 719-725.	1.3	8
52	Comparisons of the transferability of plasmids pCAR1, pB10, R388, and NAH7 among Pseudomonas putida at different cell densities. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1020-1023.	1.3	7
53	MvaT Family Proteins Encoded on IncP-7 Plasmid pCAR1 and the Host Chromosome Regulate the Host Transcriptome Cooperatively but Differently. Applied and Environmental Microbiology, 2016, 82, 832-842.	3.1	23
54	Magnaporthe oryzae Glycine-Rich Secretion Protein, Rbf1 Critically Participates in Pathogenicity through the Focal Formation of the Biotrophic Interfacial Complex. PLoS Pathogens, 2016, 12, e1005921.	4.7	33

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55	Constrained local model with independent component analysis and kernel density estimation: Application to down syndrome detection. , 2015, , .		3
56	Diterpenoid phytoalexin factor, a <scp>bHLH</scp> transcription factor, plays a central role in the biosynthesis of diterpenoid phytoalexins in rice. Plant Journal, 2015, 84, 1100-1113.	5.7	103
57	Effects of Three Different Nucleoid-Associated Proteins Encoded on IncP-7 Plasmid pCAR1 on Host Pseudomonas putida KT2440. Applied and Environmental Microbiology, 2015, 81, 2869-2880.	3.1	20
58	Noninvasive differential diagnosis of dental periapical lesions in coneâ€beam CT scans. Medical Physics, 2015, 42, 1653-1665.	3.0	45
59	Transcripts of two ent-copalyl diphosphate synthase genes differentially localize in rice plants according to their distinct biological roles. Journal of Experimental Botany, 2015, 66, 369-376.	4.8	30
60	Jasmonates Induce Both Defense Responses and Communication in Monocotyledonous and Dicotyledonous Plants. Plant and Cell Physiology, 2015, 56, 16-27.	3.1	136
61	Overexpression of the bZIP transcription factor OsbZIP79 suppresses the production of diterpenoid phytoalexin in rice cells. Journal of Plant Physiology, 2015, 173, 19-27.	3.5	70
62	Identification of Target Genes of the bZIP Transcription Factor OsTGAP1, Whose Overexpression Causes Elicitor-Induced Hyperaccumulation of Diterpenoid Phytoalexins in Rice Cells. PLoS ONE, 2014, 9, e105823.	2.5	33
63	Analysis on Blast Fungus-Responsive Characters of a Flavonoid Phytoalexin Sakuranetin; Accumulation in Infected Rice Leaves, Antifungal Activity and Detoxification by Fungus. Molecules, 2014, 19, 11404-11418.	3.8	70
64	Transcriptional regulation of the biosynthesis of phytoalexin: A lesson from specialized metabolites in rice. Plant Biotechnology, 2014, 31, 377-388.	1.0	27
65	Reverseâ€genetic approach to verify physiological roles of rice phytoalexins: characterization of a knockdown mutant of <scp>OsCPS4</scp> phytoalexin biosynthetic gene in rice. Physiologia Plantarum, 2014, 150, 55-62.	5.2	71
66	Crystallization and preliminary X-ray diffraction analyses of the redox-controlled complex of terminal oxygenase and ferredoxin components in the Rieske nonhaem iron oxygenase carbazole 1,9a-dioxygenase. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1406-1409.	0.8	0
67	Biosynthesis, elicitation and roles of monocot terpenoid phytoalexins. Plant Journal, 2014, 79, 659-678.	5.7	233
68	WRKY45-dependent priming of diterpenoid phytoalexin biosynthesis in rice and the role of cytokinin in triggering the reaction. Plant Molecular Biology, 2014, 86, 171-183.	3.9	102
69	Personalized assessment of craniosynostosis via statistical shape modeling. Medical Image Analysis, 2014, 18, 635-646.	11.6	82
70	Digital facial dysmorphology for genetic screening: Hierarchical constrained local model using ICA. Medical Image Analysis, 2014, 18, 699-710.	11.6	70
71	Overexpression of Phosphomimic Mutated OsWRKY53 Leads to Enhanced Blast Resistance in Rice. PLoS ONE, 2014, 9, e98737.	2.5	94
72	Oligomerization Mechanisms of an H-NS Family Protein, Pmr, Encoded on the Plasmid pCAR1 Provide a Molecular Basis for Functions of H-NS Family Members. PLoS ONE, 2014, 9, e105656.	2.5	12

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73	Identification of rice Allene Oxide Cyclase mutants and the function of jasmonate for defence against <scp>Magnaporthe oryzae</scp>. Plant Journal, 2013, 74, 226-238.	5.7	204
74	A Genome-Wide Survey of Genes Encoding Transcription Factors in the Japanese Pearl Oyster, Pinctada fucata: I. Homeobox Genes. Zoological Science, 2013, 30, 851.	0.7	12
75	Stress-induced expression of the transcription factor RERJ1 is tightly regulated in response to jasmonic acid accumulation in rice. Protoplasma, 2013, 250, 241-249.	2.1	24
76	WRKY76 is a rice transcriptional repressor playing opposite roles in blast disease resistance and cold stress tolerance. Journal of Experimental Botany, 2013, 64, 5085-5097.	4.8	277
77	OsJAR1 Contributes Mainly to Biosynthesis of the Stress-Induced Jasmonoyl-Isoleucine Involved in Defense Responses in Rice. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1556-1564.	1.3	59
78	Hierarchical Constrained Local Model Using ICA and Its Application to Down Syndrome Detection. Lecture Notes in Computer Science, 2013, 16, 222-229.	1.3	19
79	Characterization of CYP76M5â€“8 Indicates Metabolic Plasticity within a Plant Biosynthetic Gene Cluster. Journal of Biological Chemistry, 2012, 287, 6159-6168.	3.4	116
80	Variable interaction measures with random forest classifiers. , 2012, , .		8
81	Purification and Identification of Naringenin 7-O-Methyltransferase, a Key Enzyme in Biosynthesis of Flavonoid Phytoalexin Sakuranetin in Rice. Journal of Biological Chemistry, 2012, 287, 19315-19325.	3.4	101
82	Identification of an E-box motif responsible for the expression of jasmonic acid-induced chitinase gene OsChia4a in rice. Journal of Plant Physiology, 2012, 169, 621-627.	3.5	39
83	Regulation of a Proteinaceous Elicitor-induced Ca2+ Influx and Production of Phytoalexins by a Putative Voltage-gated Cation Channel, OsTPC1, in Cultured Rice Cells. Journal of Biological Chemistry, 2012, 287, 9931-9939.	3.4	39
84	The Biosynthesis of Isoprenoids and the Mechanisms Regulating It in Plants. Bioscience, Biotechnology and Biochemistry, 2011, 75, 1219-1225.	1.3	70
85	Stereocontrolled total synthesis of (Â±)-3Î²-hydroxy-9Î²-pimara-7,15-diene, a putative biosynthetic intermediate of momilactones. Tetrahedron Letters, 2011, 52, 3212-3215.	1.4	16
86	Phytoalexin Accumulation in the Interaction Between Rice and the Blast Fungus. Molecular Plant-Microbe Interactions, 2010, 23, 1000-1011.	2.6	158
87	Two LysM receptor molecules, CEBiP and OsCERK1, cooperatively regulate chitin elicitor signaling in rice. Plant Journal, 2010, 64, 204-214.	5.7	591
88	Effects of cytokinin on production of diterpenoid phytoalexins in rice. Journal of Pesticide Sciences, 2010, 35, 412-418.	1.4	23
89	Repetitive sequences in the lamprey mitochondrial DNA control region and speciation of Lethenteron. Gene, 2010, 465, 45-52.	2.2	16
90	Directional mean shift and its application for topology classification of local 3D structures. , 2010, , .		2

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91	OsTGAP1, a bZIP Transcription Factor, Coordinately Regulates the Inductive Production of Diterpenoid Phytoalexins in Rice. Journal of Biological Chemistry, 2009, 284, 26510-26518.	3.4	140
92	Title is missing!. Kagaku To Seibutsu, 2009, 47, 43-50.	0.0	0
93	<i>Magnaporthe oryzae</i>: A tool for the molecular analysis of compatibility. Journal of Pesticide Sciences, 2009, 34, 335-338.	1.4	0
94	Identification of the OsOPR7 gene encoding 12-oxophytodienoate reductase involved in the biosynthesis of jasmonic acid in rice. Planta, 2008, 227, 517-526.	3.2	141
95	Effects of a bile acid elicitor, cholic acid, on the biosynthesis of diterpenoid phytoalexins in suspension-cultured rice cells. Phytochemistry, 2008, 69, 973-981.	2.9	66
96	Genetic Evidence for the Role of Isopentenyl Diphosphate Isomerases in the Mevalonate Pathway and Plant Development in Arabidopsis. Plant and Cell Physiology, 2008, 49, 604-616.	3.1	90
97	Classifiability criteria for refining of random walks segmentation. , 2008, , .		3
98	Diterpene Phytoalexins Are Biosynthesized in and Exuded from the Roots of Rice Seedlings. Bioscience, Biotechnology and Biochemistry, 2008, 72, 562-567.	1.3	82
99	Robust Click-Point Linking: Matching Visually Dissimilar Local Regions. , 2007, , .		2
100	Identification of a Biosynthetic Gene Cluster in Rice for Momilactones. Journal of Biological Chemistry, 2007, 282, 34013-34018.	3.4	258
101	Analysis of tungsten film electrodeposited from a ZnCl2â€“NaClâ€“KCl melt. Electrochimica Acta, 2007, 53, 20-23.	5.2	23
102	Electrodeposition of metallic tungsten films in ZnCl2â€“NaClâ€“KClâ€“KFâ€“WO3 melt at 250â€‰C. Electrochimica Acta, 2007, 53, 24-27.	5.2	23
103	Promoter analysis of the rice stemar-13-ene synthase gene OsDTC2, which is involved in the biosynthesis of the phytoalexin oryzalexin S. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2007, 1769, 678-683.	2.4	8
104	Elicitor induced activation of the methylerythritol phosphate pathway toward phytoalexins biosynthesis in rice. Plant Molecular Biology, 2007, 65, 177-187.	3.9	136
105	The AtPPT1 gene encoding 4-hydroxybenzoate polyprenyl diphosphate transferase in ubiquinone biosynthesis is required for embryo development in Arabidopsis thaliana. Plant Molecular Biology, 2004, 55, 567-577.	3.9	69
106	Preparation and Biological Activity of Molecular Probes to Identify and Analyze Jasmonic Acid-binding Proteins. Bioscience, Biotechnology and Biochemistry, 2004, 68, 1461-1466.	1.3	33
107	Stemar-13-ene synthase, a diterpene cyclase involved in the biosynthesis of the phytoalexin oryzalexin S in rice. FEBS Letters, 2004, 571, 182-186.	2.8	65
108	RERJ1, a jasmonic acid-responsive gene from rice, encodes a basic helixâ€“loopâ€“helix protein. Biochemical and Biophysical Research Communications, 2004, 325, 857-863.	2.1	60