

Eiji Nambara

List of Publications by Year in descending order

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88
papers

14,235
citations

26630

56
h-index

49909

87
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89
all docs

89
docs citations

89
times ranked

11598
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant hormone functions and interactions in biological systems. <i>Plant Journal</i> , 2021, 105, 287-289.	5.7	14
2	3- ² -(Phenyl alkynyl) analogs of abscisic acid: synthesis and biological activity of potent ABA antagonists. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2978-2985.	2.8	5
3	Redox feedback regulation of ANAC089 signaling alters seed germination and stress response. <i>Cell Reports</i> , 2021, 35, 109263.	6.4	20
4	CYCLIC NUCLEOTIDE-GATED ION CHANNEL 2 modulates auxin homeostasis and signaling. <i>Plant Physiology</i> , 2021, 187, 1690-1703.	4.8	18
5	Role of ethylene and proteolytic N- ⁶ degron pathway in the regulation of <i>Arabidopsis</i> seed dormancy. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 2110-2122.	8.5	7
6	Role of Basal ABA in Plant Growth and Development. <i>Genes</i> , 2021, 12, 1936.	2.4	69
7	Auxin Homeostasis and Distribution of the Auxin Efflux Carrier PIN2 Require Vacuolar NHX-Type Cation/H ⁺ Antiporter Activity. <i>Plants</i> , 2020, 9, 1311.	3.5	7
8	flasher, a novel mutation in a glucosinolate modifying enzyme, conditions changes in plant architecture and hormone homeostasis. <i>Plant Journal</i> , 2020, 103, 1989-2006.	5.7	5
9	Hydrolysis of abscisic acid glucose ester occurs locally and quickly in response to dehydration. <i>Journal of Experimental Botany</i> , 2020, 71, 1753-1756.	4.8	6
10	Interactions between abscisic acid and other hormones. <i>Advances in Botanical Research</i> , 2019, 92, 255-280.	1.1	9
11	Re-localization of hormone effectors is associated with dormancy alleviation by temperature and after-ripening in sunflower seeds. <i>Scientific Reports</i> , 2019, 9, 4861.	3.3	14
12	Hormone balance in a climacteric plum fruit and its non-climacteric bud mutant during ripening. <i>Plant Science</i> , 2019, 280, 51-65.	3.6	20
13	Family Members and Their Individual Roles: An <i>Arabidopsis</i> Arogenate Dehydratase ADT2 and its Role in Seed Development. <i>Plant and Cell Physiology</i> , 2018, 59, 2395-2397.	3.1	0
14	The <i>Arabidopsis</i> SAL1-PAP Pathway: A Case Study for Integrating Chloroplast Retrograde, Light and Hormonal Signaling in Modulating Plant Growth and Development?. <i>Frontiers in Plant Science</i> , 2018, 9, 1171.	3.6	20
15	Regulation of seed dormancy and germination by nitrate. <i>Seed Science Research</i> , 2018, 28, 150-157.	1.7	61
16	Metabolic Balance and its Outcome: Deficiency of Vitamin B9 and Sucrose Supply Ectopically Induces Starch Synthesis in Etioplasts. <i>Plant and Cell Physiology</i> , 2017, 58, 1284-1285.	3.1	6
17	Temperature variability is integrated by a spatially embedded decision-making center to break dormancy in <i>Arabidopsis</i> seeds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6629-6634.	7.1	81
18	A novel Filamentous Flower mutant suppresses brevipedicellus developmental defects and modulates glucosinolate and auxin levels. <i>PLoS ONE</i> , 2017, 12, e0177045.	2.5	12

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19	ANAC032 Positively Regulates Age-Dependent and Stress-Induced Senescence in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 2029-2046.	3.1	70
20	CATchUP: A Web Database for Spatiotemporally Regulated Genes. <i>Plant and Cell Physiology</i> , 2016, 58, pcw199.	3.1	3
21	Highly Sprouting-Tolerant Wheat Grain Exhibits Extreme Dormancy and Cold Imbibition-Resistant Accumulation of Abscisic Acid. <i>Plant and Cell Physiology</i> , 2016, 57, 715-732.	3.1	40
22	NIN-like protein 8 is a master regulator of nitrate-promoted seed germination in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2016, 7, 13179.	12.8	147
23	<i>OsPIN5b</i> modulates rice (<i>Oryza sativa</i>) plant architecture and yield by changing auxin homeostasis, transport and distribution. <i>Plant Journal</i> , 2015, 83, 913-925.	5.7	117
24	Overexpression of the CC-type glutaredoxin, <i>OsGRX6</i> affects hormone and nitrogen status in rice plants. <i>Frontiers in Plant Science</i> , 2015, 6, 934.	3.6	44
25	S-nitrosylation triggers ABI5 degradation to promote seed germination and seedling growth. <i>Nature Communications</i> , 2015, 6, 8669.	12.8	251
26	Amplification of <i>ABA</i> biosynthesis and signaling through a positive feedback mechanism in seeds. <i>Plant Journal</i> , 2014, 78, 527-539.	5.7	61
27	The Functions of the Endosperm During Seed Germination. <i>Plant and Cell Physiology</i> , 2014, 55, 1521-1533.	3.1	179
28	Designed abscisic acid analogs as antagonists of <i>PYL-PP2C</i> receptor interactions. <i>Nature Chemical Biology</i> , 2014, 10, 477-482.	8.0	98
29	Functional characterization of xanthoxin dehydrogenase in rice. <i>Journal of Plant Physiology</i> , 2014, 171, 1231-1240.	3.5	40
30	Combining association mapping and transcriptomics identify <i>HD2B</i> histone deacetylase as a genetic factor associated with seed dormancy in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 74, 815-828.	5.7	64
31	Interplay between Sucrose and Folate Modulates Auxin Signaling in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 162, 1552-1565.	4.8	71
32	Activation of dimeric ABA receptors elicits guard cell closure, ABA-regulated gene expression, and drought tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12132-12137.	7.1	262
33	Thermoinhibition Uncovers a Role for Strigolactones in <i>Arabidopsis</i> Seed Germination. <i>Plant and Cell Physiology</i> , 2012, 53, 107-117.	3.1	193
34	Tissue-Specific Transcriptome Analysis Reveals Cell Wall Metabolism, Flavonol Biosynthesis and Defense Responses are Activated in the Endosperm of Germinating <i>Arabidopsis thaliana</i> Seeds. <i>Plant and Cell Physiology</i> , 2012, 53, 16-27.	3.1	58
35	Seed Biology in the 21st Century: Perspectives and New Directions. <i>Plant and Cell Physiology</i> , 2012, 53, 1-4.	3.1	118
36	Opening a new era of ABA research. <i>Journal of Plant Research</i> , 2011, 124, 431-435.	2.4	13

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37	ABA 8-hydroxylation is catalyzed by CYP707A in Arabidopsis. <i>Phytochemistry</i> , 2011, 72, 717-722.	2.9	52
38	Stored and neosynthesized mRNA in Arabidopsis seeds: effects of cycloheximide and controlled deterioration treatment on the resumption of transcription during imbibition. <i>Plant Molecular Biology</i> , 2010, 73, 119-129.	3.9	89
39	Genome-wide analysis of endogenous abscisic acid-mediated transcription in dry and imbibed seeds of Arabidopsis using tiling arrays. <i>Plant Journal</i> , 2010, 62, 39-51.	5.7	109
40	A small-molecule screen identifies new functions for the plant hormone strigolactone. <i>Nature Chemical Biology</i> , 2010, 6, 741-749.	8.0	207
41	Comprehensive Hormone Profiling in Developing Arabidopsis Seeds: Examination of the Site of ABA Biosynthesis, ABA Transport and Hormone Interactions. <i>Plant and Cell Physiology</i> , 2010, 51, 1988-2001.	3.1	207
42	Abscisic acid and the control of seed dormancy and germination. <i>Seed Science Research</i> , 2010, 20, 55-67.	1.7	369
43	The Lesion-Mimic Mutant <i>cpr22</i> Shows Alterations in Abscisic Acid Signaling and Abscisic Acid Insensitivity in a Salicylic Acid-Dependent Manner. <i>Plant Physiology</i> , 2010, 152, 1901-1913.	4.8	117
44	Nitrate responses of Arabidopsis mutants. <i>Plant Signaling and Behavior</i> , 2009, 4, 1166-1168.	2.4	1
45	CHOTTO1, a Putative Double APETALA2 Repeat Transcription Factor, Is Involved in Abscisic Acid-Mediated Repression of Gibberellin Biosynthesis during Seed Germination in Arabidopsis. <i>Plant Physiology</i> , 2009, 151, 641-654.	4.8	93
46	High Humidity Induces Abscisic Acid 8-Hydroxylase in Stomata and Vasculature to Regulate Local and Systemic Abscisic Acid Responses in Arabidopsis. <i>Plant Physiology</i> , 2009, 149, 825-834.	4.8	216
47	CHOTTO1, a Double AP2 Domain Protein of Arabidopsis thaliana, Regulates Germination and Seedling Growth Under Excess Supply of Glucose and Nitrate. <i>Plant and Cell Physiology</i> , 2009, 50, 330-340.	3.1	60
48	Temporal Expression Patterns of Hormone Metabolism Genes during Imbibition of Arabidopsis thaliana Seeds: A Comparative Study on Dormant and Non-Dormant Accessions. <i>Plant and Cell Physiology</i> , 2009, 50, 1786-1800.	3.1	148
49	Interaction of light and hormone signals in germinating seeds. <i>Plant Molecular Biology</i> , 2009, 69, 463-472.	3.9	290
50	The Arabidopsis Abscisic Acid Catabolic Gene <i>CYP707A2</i> Plays a Key Role in Nitrate Control of Seed Dormancy. <i>Plant Physiology</i> , 2009, 149, 949-960.	4.8	186
51	Transient expression of AtNCED3 and AAO3 genes in guard cells causes stomatal closure in <i>Vicia faba</i> . <i>Journal of Plant Research</i> , 2008, 121, 125-131.	2.4	43
52	Transcription factor AtTCP14 regulates embryonic growth potential during seed germination in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2008, 53, 42-52.	5.7	157
53	The AtGenExpress hormone and chemical treatment data set: experimental design, data evaluation, model data analysis and data access. <i>Plant Journal</i> , 2008, 55, 526-542.	5.7	467
54	Arabidopsis Transcriptome Analysis under Drought, Cold, High-Salinity and ABA Treatment Conditions using a Tiling Array. <i>Plant and Cell Physiology</i> , 2008, 49, 1135-1149.	3.1	475

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55	High Temperature-Induced Abscisic Acid Biosynthesis and Its Role in the Inhibition of Gibberellin Action in Arabidopsis Seeds. <i>Plant Physiology</i> , 2008, 146, 1368-1385.	4.8	379
56	Drought Induction of Arabidopsis 9-cis-Epoxy-carotenoid Dioxygenase Occurs in Vascular Parenchyma Cells. <i>Plant Physiology</i> , 2008, 147, 1984-1993.	4.8	310
57	Co-regulation of ribosomal protein genes as an indicator of growth status. <i>Plant Signaling and Behavior</i> , 2008, 3, 450-452.	2.4	15
58	Vascular system is a node of systemic stress responses. <i>Plant Signaling and Behavior</i> , 2008, 3, 1138-1140.	2.4	19
59	Phytochrome- and Gibberellin-Mediated Regulation of Abscisic Acid Metabolism during Germination of Photoblastic Lettuce Seeds. <i>Plant Physiology</i> , 2008, 146, 1386-1396.	4.8	79
60	The Gibberellic Acid Signaling Repressor RGL2 Inhibits Arabidopsis Seed Germination by Stimulating Abscisic Acid Synthesis and ABI5 Activity. <i>Plant Cell</i> , 2008, 20, 2729-2745.	6.6	444
61	The AtGenExpress hormone- and chemical-treatment data set: Experimental design, data evaluation, model data analysis, and data access. <i>Plant Journal</i> , 2008, 55, 080414150319983.	5.7	307
62	Global Analysis of DELLA Direct Targets in Early Gibberellin Signaling in Arabidopsis. <i>Plant Cell</i> , 2007, 19, 3037-3057.	6.6	572
63	A Plant Growth Retardant, Uniconazole, Is a Potent Inhibitor of ABA Catabolism in Arabidopsis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 1731-1739.	1.3	109
64	CYP707A1 and CYP707A2, Which Encode Abscisic Acid 8-Hydroxylases, Are Indispensable for Proper Control of Seed Dormancy and Germination in Arabidopsis. <i>Plant Physiology</i> , 2006, 141, 97-107.	4.8	473
65	A Quick Release Mechanism for Abscisic Acid. <i>Cell</i> , 2006, 126, 1023-1025.	28.9	51
66	Functional analysis of Arabidopsis NCED6 and NCED9 genes indicates that ABA synthesized in the endosperm is involved in the induction of seed dormancy. <i>Plant Journal</i> , 2006, 45, 309-319.	5.7	434
67	CYP707A3, a major ABA 8-hydroxylase involved in dehydration and rehydration response in Arabidopsis thaliana. <i>Plant Journal</i> , 2006, 46, 171-182.	5.7	294
68	Regulation of hormone metabolism in Arabidopsis seeds: phytochrome regulation of abscisic acid metabolism and abscisic acid regulation of gibberellin metabolism. <i>Plant Journal</i> , 2006, 48, 354-366.	5.7	403
69	Ethylene Promotes Submergence-Induced Expression of OsABA8ox1, a Gene that Encodes ABA 8'-Hydroxylase in Rice. <i>Plant and Cell Physiology</i> , 2006, 48, 287-298.	3.1	223
70	Field studies on the regulation of abscisic acid content and germinability during grain development of barley: molecular and chemical analysis of pre-harvest sprouting. <i>Journal of Experimental Botany</i> , 2006, 57, 2421-2434.	4.8	90
71	Genome-wide profiling of stored mRNA in Arabidopsis thaliana seed germination: epigenetic and genetic regulation of transcription in seed. <i>Plant Journal</i> , 2005, 41, 697-709.	5.7	528
72	Identification of cis-Elements That Regulate Gene Expression during Initiation of Axillary Bud Outgrowth in Arabidopsis. <i>Plant Physiology</i> , 2005, 138, 757-766.	4.8	163

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73	Comparative Studies on the Arabidopsis Aldehyde Oxidase (AAO) Gene Family Revealed a Major Role of AAO3 in ABA Biosynthesis in Seeds. <i>Plant and Cell Physiology</i> , 2004, 45, 1694-1703.	3.1	175
74	The Arabidopsis cytochrome P450 CYP707A encodes ABA 8â€²-hydroxylases: key enzymes in ABA catabolism. <i>EMBO Journal</i> , 2004, 23, 1647-1656.	7.8	872
75	The FUS3 transcription factor functions through the epidermal regulator TTG1 during embryogenesis in Arabidopsis. <i>Plant Journal</i> , 2004, 37, 73-81.	5.7	99
76	Hormone evolution: The key to signalling. <i>Nature</i> , 2003, 422, 122-122.	27.8	39
77	ABA action and interactions in seeds. <i>Trends in Plant Science</i> , 2003, 8, 213-217.	8.8	221
78	A Unique Short-Chain Dehydrogenase/Reductase in Arabidopsis Glucose Signaling and Abscisic Acid Biosynthesis and Functions. <i>Plant Cell</i> , 2002, 14, 2723-2743.	6.6	764
79	A Screen for Genes That Function in Abscisic Acid Signaling in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2002, 161, 1247-1255.	2.9	163
80	Mutation in the Threonine Synthase Gene Results in an Over-Accumulation of Soluble Methionine in Arabidopsis. <i>Plant Physiology</i> , 2000, 123, 101-110.	4.8	122
81	The Role of ABI3 and FUS3 Loci in Arabidopsis thaliana on Phase Transition from Late Embryo Development to Germination. <i>Developmental Biology</i> , 2000, 220, 412-423.	2.0	170
82	Regulation of Abscisic Acid Signaling by the Ethylene Response Pathway in Arabidopsis. <i>Plant Cell</i> , 2000, 12, 1117-1126.	6.6	507
83	Protein farnesylation in plants: a greasy tale. <i>Current Opinion in Plant Biology</i> , 1999, 2, 388-392.	7.1	39
84	Evidence for Autoregulation of Cystathionine -Synthase mRNA Stability in Arabidopsis. <i>Science</i> , 1999, 286, 1371-1374.	12.6	181
85	Characterization of the gene family for alternative oxidase from Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 1997, 35, 585-596.	3.9	177
86	Expression of Soybean Seed Storage Protein Genes in Transgenic Plants and Their Response to Sulfur Nutritional Conditions. <i>Journal of Plant Physiology</i> , 1995, 145, 614-619.	3.5	13
87	A mutant of Arabidopsis which is defective in seed development and storage protein accumulation is a new abi3 allele. <i>Plant Journal</i> , 1992, 2, 435-441.	5.7	212
88	Effects of the Gibberellin Biosynthetic Inhibitor Uniconazol on Mutants of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 1991, 97, 736-738.	4.8	99