Tadao Asami

List of Publications by Year
in descending order

259 papers	21,860 citations	16451 64 h-index	10158 140 g-index
262 all docs	262 docs citations	262 times ranked	15133 citing authors

#	Article	IF	Citations
1	Rational design of<i>Striga hermonthica</i>-specific seed germination inhibitors. Plant Physiology, 2022, 188, 1369-1384.	4.8	12
2	Insect growth regulators with hydrazide moiety inhibit strigolactone biosynthesis in rice. Journal of Pesticide Sciences, 2022, 47, 43-46.	1.4	3
3	Response of tomatoes primed by mycorrhizal colonization to virulent and avirulent bacterial pathogens. Scientific Reports, 2022, 12, 4686.	3.3	20
4	Function of hydroxycinnamoyl spermidines in seedling growth of <i>Arabidopsis</i>. Bioscience, Biotechnology and Biochemistry, 2022, 86, 294-299.	1.3	2
5	Striga hermonthica Suicidal Germination Activity of Potent Strigolactone Analogs: Evaluation from Laboratory Bioassays to Field Trials. Plants, 2022, 11, 1045.	3.5	21
6	Strigolactones Modulate Salicylic Acid-Mediated Disease Resistance in Arabidopsis thaliana. International Journal of Molecular Sciences, 2022, 23, 5246.	4.1	13
7	BRZ-INSENSITIVE-PALE GREEN 1 is encoded by chlorophyll biosynthesis enzyme gene that functions in the downstream of brassinosteroid signaling. Bioscience, Biotechnology and Biochemistry, 2022, , .	1.3	2
8	The apple gene responsible for columnar tree shape reduces the abundance of biologically active gibberellin. Plant Journal, 2021, 105, 1026-1034.	5.7	14
9	On improving strigolactone mimics for induction of suicidal germination of the root parasitic plant Striga hermonthica. ABIOTECH, 2021, 2, 1-13.	3.9	6
10	Induction of tocopherol biosynthesis through heat shock treatment in <i>Arabidopsis</i>. Bioscience, Biotechnology and Biochemistry, 2021, 85, 502-509.	1.3	8
11	Strigolactone signaling inhibition increases adventitious shoot formation on internodal segments of ipecac. Planta, 2021, 253, 123.	3.2	8
12	Counteractive Effects of Sugar and Strigolactone on Leaf Senescence of Rice in Darkness. Agronomy, 2021, 11, 1044.	3.0	8
13	Transcriptome Analysis of Chloris virgata, Which Shows the Fastest Germination and Growth in the Major Mongolian Grassland Plant. Frontiers in Plant Science, 2021, 12, 684987.	3.6	1
14	Identification of an aromatic aldehyde synthase involved in indole-3-acetic acid biosynthesis in the galling sawfly (Pontania sp.) and screening of an inhibitor. Insect Biochemistry and Molecular Biology, 2021, 137, 103639.	2.7	5
15	Chemical Synthesis of Triazole-Derived Suppressors of Strigolactone Functions. Methods in Molecular Biology, 2021, 2309, 25-30.	0.9	0
16	ã,¹ãƒˆãƒªã,´ãƒ©ã,¯ãƒˆãƒ³ç”ç©¶ã•è¾²æ¥ã®ãŸã,ã®ã,±ãƒŸã,«ãƒ«ãƒ„ãƒ¼ãƒ«. Kagaku To Seibutsu, 2021, 59, 91-97.	0.0	0
17	Cytokinins affect the akinete-germination stage of a terrestrial filamentous cyanobacterium, Nostoc sp. HK-01. Plant Growth Regulation, 2020, 92, 273-282.	3.4	6
18	Triflumizole as a Novel Lead Compound for Strigolactone Biosynthesis Inhibitor. Molecules, 2020, 25, 5525.	3.8	8

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19	Efficient Mimics for Elucidating Zaxinone Biology and Promoting Agricultural Applications. Molecular Plant, 2020, 13, 1654-1661.	8.3	24
20	A New Series of Carlactonoic Acid Based Strigolactone Analogs for Fundamental and Applied Research. Frontiers in Plant Science, 2020, 11, 434.	3.6	19
21	Light Activates Brassinosteroid Biosynthesis to Promote Hook Opening and Petiole Development in Arabidopsis thaliana. Plant and Cell Physiology, 2020, 61, 1239-1251.	3.1	9
22	Synthetic agonist of HTL/KAI2 shows potent stimulating activity for Arabidopsis seed germination. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2487-2492.	2.2	5
23	Gene Ontology and Expression Studies of Strigolactone Analogues on a Hepatocellular Carcinoma Cell Line. Analytical Cellular Pathology, 2019, 2019, 1-10.	1.4	4
24	Synthesis and Biological Evaluation of Novel Triazole Derivatives as Strigolactone Biosynthesis Inhibitors. Journal of Agricultural and Food Chemistry, 2019, 67, 6143-6149.	5.2	17
25	Synthesis and in vitro antitumor activity of novel acylspermidine derivative N-(4-aminobutyl)-N-(3-aminopropyl)-8-hydroxy-dodecanamide (AAHD) against HepG2 cells. Bioorganic Chemistry, 2019, 88, 102937.	4.1	2
26	Regulation of biosynthesis, perception, and functions of strigolactones for promoting arbuscular mycorrhizal symbiosis and managing root parasitic weeds. Pest Management Science, 2019, 75, 2353-2359.	3.4	22
27	Methylation at the C-3â€² in D-Ring of Strigolactone Analogs Reduces Biological Activity in Root Parasitic Plants and Rice. Frontiers in Plant Science, 2019, 10, 353.	3.6	20
28	Suicidal germination as a control strategy for Striga hermonthica (Benth.) in smallholder farms of subâ€Saharan Africa. Plants People Planet, 2019, 1, 107-118.	3.3	70
29	Triazole Ureas Covalently Bind to Strigolactone Receptor and Antagonize Strigolactone Responses. Molecular Plant, 2019, 12, 44-58.	8.3	40
30	How will plant science contribute to improve productivity in agriculture?â€”Future prospects of plant scienceâ€”. Ikushugaku Kenkyu, 2019, 21, 49-54.	0.3	0
31	Conversion of carlactone to carlactonoic acid is a conserved function of <scp>MAX</scp>1 homologs in strigolactone biosynthesis. New Phytologist, 2018, 218, 1522-1533.	7.3	147
32	Chemical regulators of plant hormones and their applications in basic research and agriculture*. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1265-1300.	1.3	83
33	Target-based selectivity of strigolactone agonists and antagonists in plants and their potential use in agriculture. Journal of Experimental Botany, 2018, 69, 2241-2254.	4.8	27
34	Plant Hormone Cross Talk with a Focus on Strigolactone and Its Chemical Dissection in Rice. , 2018, , 113-127.		1
35	Synthetic strigolactone analogues reveal anti-cancer activities on hepatocellular carcinoma cells. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1077-1083.	2.2	23
36	Brassinosteroids regulate vacuolar morphology in root meristem cells of Arabidopsis thaliana. Plant Signaling and Behavior, 2018, 13, e1417722.	2.4	7

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37	Rationally Designed Strigolactone Analogs as Antagonists of the D14 Receptor. Plant and Cell Physiology, 2018, 59, 1545-1554.	3.1	27
38	An Ancestral Gibberellin in a Moss Physcomitrella patens. Molecular Plant, 2018, 11, 1097-1100.	8.3	39
39	Methyl phenlactonoates are efficient strigolactone analogs with simple structure. Journal of Experimental Botany, 2018, 69, 2319-2331.	4.8	50
40	Effect of the strigolactone analogs methyl phenlactonoates on spore germination and root colonization of arbuscular mycorrhizal fungi. Heliyon, 2018, 4, e00936.	3.2	20
41	Identification of Deregulated Signaling Pathways in Jurkat Cells in Response to a Novel Acylspermidine Analogue-N4-Erucoyl Spermidine. Epigenetics Insights, 2018, 11, 251686571881454.	2.0	12
42	m-Coumaric acid attenuates non-catalytic protein glycosylation in the retinas of diabetic rats. Journal of Pesticide Sciences, 2018, 43, 180-185.	1.4	9
43	Structural analysis of HTL and D14 proteins reveals the basis for ligand selectivity in Striga. Nature Communications, 2018, 9, 3947.	12.8	73
44	Structural basis for brassinosteroid response by BIL1/BZR1. Nature Plants, 2018, 4, 771-776.	9.3	33
45	Preface to the Special Issue: Brief review of plant hormones and their utilization in agriculture. Journal of Pesticide Sciences, 2018, 43, 154-158.	1.4	28
46	Strigolactonesâ€”a novel class of phytohormones as anti-cancer agents. Journal of Pesticide Sciences, 2018, 43, 168-172.	1.4	7
47	Effects of gibberellin and strigolactone on rice tiller bud growth. Journal of Pesticide Sciences, 2018, 43, 220-223.	1.4	12
48	The chemical NJ15 affects hypocotyl elongation and shoot gravitropism via cutin polymerization. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1770-1779.	1.3	1
49	FPX is a Novel Chemical Inducer that Promotes Callus Formation and Shoot Regeneration in Plants. Plant and Cell Physiology, 2018, 59, 1555-1567.	3.1	26
50	Plant Chemical Biology. Plant and Cell Physiology, 2018, 59, 1483-1486.	3.1	11
51	Assignment of <scp>¹H</scp>â€•and <scp>¹³Câ€NMR</scp> data for four helminthosporol analogs with the bicyclo[3.2.1]octâ€6â€ene framework. Magnetic Resonance in Chemistry, 2018, 56, 1130-1134.	1.9	0
52	Characterization of a helminthosporic acid analog that is a selective agonist of gibberellin receptor. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2465-2470.	2.2	8
53	Life history of Stenopsylla nigricornis (Hemiptera: Psylloidea: Triozidae) and phytohormones involved in its gall induction. Arthropod-Plant Interactions, 2017, 11, 99-108.	1.1	13
54	Regulation of Strigolactone Biosynthesis by Gibberellin Signaling. Plant Physiology, 2017, 174, 1250-1259.	4.8	138

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55	Characterization of synthetic ecdysteroid analogues as functional mimics of brassinosteroids in plant growth. Journal of Steroid Biochemistry and Molecular Biology, 2017, 172, 1-8.	2.5	11
56	Substituted Phthalimide AC94377 Is a Selective Agonist of the Gibberellin Receptor GID1. Plant Physiology, 2017, 173, 825-835.	4.8	13
57	Synthesis, screening and pro-apoptotic activity of novel acyl spermidine derivatives on human cancer cell lines. Biomedicine and Pharmacotherapy, 2017, 93, 190-201.	5.6	12
58	Helminthosporic acid functions as an agonist for gibberellin receptor. Bioscience, Biotechnology and Biochemistry, 2017, 81, 2152-2159.	1.3	10
59	Evolutionarily conserved BIL4 suppresses the degradation of brassinosteroid receptor BRI1 and regulates cell elongation. Scientific Reports, 2017, 7, 5739.	3.3	28
60	Chemical screening and development of novel gibberellin mimics. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3678-3682.	2.2	13
61	Involvement of STH7 in light-adapted development in Arabidopsis thaliana promoted by both strigolactone and karrikin. Bioscience, Biotechnology and Biochemistry, 2017, 81, 292-301.	1.3	10
62	A Taylor-Made Design of Phenoxyfuranone-Type Strigolactone Mimic. Frontiers in Plant Science, 2017, 8, 936.	3.6	33
63	Molecular actions of two synthetic brassinosteroids, iso-carbaBL and 6-deoxoBL, which cause altered physiological activities between Arabidopsis and rice. PLoS ONE, 2017, 12, e0174015.	2.5	9
64	Strigolactones are involved in sugar signaling to modulate early seedling development in <i>Arabidopsis</i>. Plant Biotechnology, 2016, 33, 87-97.	1.0	23
65	Aminooxyâ€naphthylpropionic acid and its derivatives are inhibitors of auxin biosynthesis targeting <scp>l</scp>â€tryptophan aminotransferase: structureâ€“activity relationships. Plant Journal, 2016, 87, 245-257.	5.7	28
66	Chemical modification of a phenoxyfuranoneâ€type strigolactone mimic for selective effects on rice tillering or Striga hermonthica seed germination. Pest Management Science, 2016, 72, 2048-2053.	3.4	17
67	Grafting cucumber onto luffa improves drought tolerance by increasing ABA biosynthesis and sensitivity. Scientific Reports, 2016, 6, 20212.	3.3	57
68	1,10-Phenanthroline and its derivatives are novel hatching stimulants for soybean cyst nematodes. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5240-5243.	2.2	8
69	Structural basis of unique ligand specificity of KAI2-like protein from parasitic weed Striga hermonthica. Scientific Reports, 2016, 6, 31386.	3.3	47
70	Discovery and identification of 2-methoxy-1-naphthaldehyde as a novel strigolactone-signaling inhibitor. Journal of Pesticide Sciences, 2016, 41, 71-78.	1.4	35
71	Spermidine, a polyamine, confers resistance to rice blast. Journal of Pesticide Sciences, 2016, 41, 79-82.	1.4	10
72	Structure- and stereospecific transport of strigolactones from roots to shoots. Journal of Pesticide Sciences, 2016, 41, 55-58.	1.4	19

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73	Strigolactone Regulates Anthocyanin Accumulation, Acid Phosphatases Production and Plant Growth under Low Phosphate Condition in Arabidopsis. PLoS ONE, 2015, 10, e0119724.	2.5	50
74	Strigolactones are transported from roots to shoots, although not through the xylem. Journal of Pesticide Sciences, 2015, 40, 214-216.	1.4	52
75	Analysis of ent-kaurenoic acid by ultra-performance liquid chromatography-tandem mass spectrometry. Biochemistry and Biophysics Reports, 2015, 2, 103-107.	1.3	6
76	Formation and Dissociation of the BSS1 Protein Complex Regulates Plant Development via Brassinosteroid Signaling. Plant Cell, 2015, 27, 375-390.	6.6	40
77	Development of Inhibitors of Salicylic Acid Signaling. Journal of Agricultural and Food Chemistry, 2015, 63, 7124-7133.	5.2	8
78	A novel thiol-reductase activity of Arabidopsis YUC6 confers drought tolerance independently of auxin biosynthesis. Nature Communications, 2015, 6, 8041.	12.8	82
79	13th IUPAC International Congress on Pesticide Chemistry. Japanese Journal of Pesticide Science, 2015, 40, 105-107.	0.0	0
80	Does the brassinosteroid signal pathway in photomorphogenesis overlap with the gravitropic response caused by auxin?. Bioscience, Biotechnology and Biochemistry, 2014, 78, 1839-1849.	1.3	1
81	Analysis of a putative auxin biosynthesis inhibitor, indole-3-oxoethylphosphonic acid, in Arabidopsis. Bioscience, Biotechnology and Biochemistry, 2014, 78, 67-70.	1.3	6
82	Target sites for chemical regulation of strigolactone signaling. Frontiers in Plant Science, 2014, 5, 623.	3.6	27
83	Molecular evidence of the involvement of heat shock protein 90 in brassinosteroid signaling in Arabidopsis T87 cultured cells. Plant Cell Reports, 2014, 33, 499-510.	5.6	26
84	BPG3 is a novel chloroplast protein that involves the greening of leaves and related to brassinosteroid signaling. Bioscience, Biotechnology and Biochemistry, 2014, 78, 420-429.	1.3	20
85	Biosynthetic pathway of the phytohormone auxin in insects and screening of its inhibitors. Insect Biochemistry and Molecular Biology, 2014, 53, 66-72.	2.7	36
86	Brassinosteroid-related transcription factor BIL1/BZR1 increases plant resistance to insect feeding. Bioscience, Biotechnology and Biochemistry, 2014, 78, 960-968.	1.3	34
87	D14â€“SCFD3-dependent degradation of D53 regulates strigolactone signalling. Nature, 2013, 504, 406-410.	27.8	669
88	Molecular mechanism of strigolactone perception by DWARF14. Nature Communications, 2013, 4, 2613.	12.8	310
89	Uniconazole, a cytochrome P450 inhibitor, inhibits trans-zeatin biosynthesis in Arabidopsis. Phytochemistry, 2013, 87, 30-38.	2.9	30
90	Chemical screening of an inhibitor for gibberellin receptors based on a yeast two-hybrid system. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1096-1098.	2.2	14

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91	A novel mitochondrial DnaJ/Hsp40 family protein BIL2 promotes plant growth and resistance against environmental stress in brassinosteroid signaling. Planta, 2013, 237, 1509-1525.	3.2	76
92	Exogenous ABA induces salt tolerance in indica rice (Oryza sativa L.): The role of OsP5CS1 and OsP5CR gene expression during salt stress. Environmental and Experimental Botany, 2013, 86, 94-105.	4.2	178
93	Phytohormones in Japanese Mugwort Gall Induction by a Gall-Inducing Gall Midge. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1942-1948.	1.3	58
94	Selective Mimics of Strigolactone Actions and Their Potential Use for Controlling Damage Caused by Root Parasitic Weeds. Molecular Plant, 2013, 6, 88-99.	8.3	71
95	Effects of strigolactone-biosynthesis inhibitor TIS108 onArabidopsis. Plant Signaling and Behavior, 2013, 8, e24193.	2.4	33
96	Tebuconazole derivatives are potent inhibitors of strigolactone biosynthesis. Journal of Pesticide Sciences, 2013, 38, 147-151.	1.4	12
97	Comparison of indole derivatives as potential intermediates of auxin biosynthesis in Arabidopsis. Plant Biotechnology, 2013, 30, 185-190.	1.0	13
98	Plastid Located WHIRLY1 Enhances the Responsiveness of Arabidopsis Seedlings Toward Abscisic Acid. Frontiers in Plant Science, 2012, 3, 283.	3.6	28
99	Isolation of Arabidopsis ahg11, a weak ABA hypersensitive mutant defective in nad4 RNA editing. Journal of Experimental Botany, 2012, 63, 5301-5310.	4.8	61
100	An Unusual Spliced Variant of DELLA Protein, a Negative Regulator of Gibberellin Signaling, in Lettuce. Bioscience, Biotechnology and Biochemistry, 2012, 76, 544-550.	1.3	3
101	Phytohormones and willow gall induction by a gallâ€inducing sawfly. New Phytologist, 2012, 196, 586-595.	7.3	119
102	Screening and characterization of a chemical regulator for plant disease resistance. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1761-1765.	2.2	7
103	Synthesis of novel brassinosteroid biosynthesis inhibitors based on the ketoconazole scaffold. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1625-1628.	2.2	43
104	Effects of Triazole Derivatives on Strigolactone Levels and Growth Retardation in Rice. PLoS ONE, 2011, 6, e21723.	2.5	55
105	Role of nitric oxide in hydrogen peroxideâ€dependent induction of abiotic stress tolerance by brassinosteroids in cucumber. Plant, Cell and Environment, 2011, 34, 347-358.	5.7	160
106	Induction of systemic stress tolerance by brassinosteroid in Cucumis sativus. New Phytologist, 2011, 191, 706-720.	7.3	124
107	Characterization of brassinosteroid-regulated proteins in a nuclear-enriched fraction of Arabidopsis suspension-cultured cells. Plant Physiology and Biochemistry, 2011, 49, 985-995.	5.8	12
108	New branching inhibitors and their potential as strigolactone mimics in rice. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4905-4908.	2.2	102

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109	Chemical biology of abscisic acid. Journal of Plant Research, 2011, 124, 549-557.	2.4	21
110	AtCAST, a Tool for Exploring Gene Expression Similarities among DNA Microarray Experiments Using Networks. Plant and Cell Physiology, 2011, 52, 169-180.	3.1	21
111	Abamine as a basis for new designs of regulators of strigolactone production. Journal of Pesticide Sciences, 2011, 36, 53-57.	1.4	12
112	Creation of function regulators of plant hormones and their application to physiology, genetics and agriculture. Journal of Pesticide Sciences, 2011, 36, 266-267.	1.4	0
113	Transcription of DWARF4 Plays a Crucial Role in Auxin-Regulated Root Elongation in Addition to Brassinosteroid Homeostasis in Arabidopsis thaliana. PLoS ONE, 2011, 6, e23851.	2.5	63
114	Creation of function regulators of plant hormones and their application to physiology, genetics and agriculture. Journal of Pesticide Sciences, 2011, 36, 278-285.	1.4	0
115	Preparation of multideuterated 5â€deoxystrigol for use as an internal standard for quantitative LC/MS. Journal of Labelled Compounds and Radiopharmaceuticals, 2010, 53, 763-766.	1.0	22
116	Screening and characterization of an inhibitory chemical specific to Arabidopsis gibberellin 2-oxidases. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4259-4262.	2.2	7
117	The chloroplast protein BPG2 functions in brassinosteroidâ€mediated postâ€transcriptional accumulation of chloroplast rRNA. Plant Journal, 2010, 61, 409-422.	5.7	63
118	The herbicide ketoclomazone inhibits 1-deoxy-D-xylulose 5-phosphate synthase in the 2-C-methyl-D-erythritol 4-phosphate pathway and shows antibacterial activity against Haemophilus influenzae. Journal of Antibiotics, 2010, 63, 583-588.	2.0	53
119	Role of the phytochrome and cryptochrome signaling pathways in hypocotyl phototropism. Plant Journal, 2010, 62, 653-662.	5.7	66
120	Regulation ofArabidopsisBrassinosteroid Signaling by Atypical Basic Helix-Loop-Helix Proteins Â. Plant Cell, 2010, 21, 3781-3791.	6.6	152
121	Auxin Biosynthesis Inhibitors, Identified by a Genomics-Based Approach, Provide Insights into Auxin Biosynthesis. Plant and Cell Physiology, 2010, 51, 524-536.	3.1	140
122	A New Lead Chemical for Strigolactone Biosynthesis Inhibitors. Plant and Cell Physiology, 2010, 51, 1143-1150.	3.1	51
123	A Direct Docking Mechanism for a Plant GSK3-like Kinase to Phosphorylate Its Substrates. Journal of Biological Chemistry, 2010, 285, 24646-24653.	3.4	53
124	FINE CULM1 (FC1) Works Downstream of Strigolactones to Inhibit the Outgrowth of Axillary Buds in Rice. Plant and Cell Physiology, 2010, 51, 1127-1135.	3.1	276
125	Chemical Genetics Reveal the Novel Transmembrane Protein BIL4, Which Mediates Plant Cell Elongation in Brassinosteroid Signaling. Bioscience, Biotechnology and Biochemistry, 2009, 73, 415-421.	1.3	28
126	Genome-Wide Identification, Structure and Expression Studies, and Mutant Collection of 22 Early Nodulin-Like Protein Genes in Arabidopsis. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2452-2459.	1.3	63

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127	BRASSINOSTEROID UPREGULATED1, Encoding a Helix-Loop-Helix Protein, Is a Novel Gene Involved in Brassinosteroid Signaling and Controls Bending of the Lamina Joint in Rice Â Â. Plant Physiology, 2009, 151, 669-680.	4.8	194
128	Involvement of C-22-Hydroxylated Brassinosteroids in Auxin-Induced Lamina Joint Bending in Rice. Plant and Cell Physiology, 2009, 50, 1627-1635.	3.1	45
129	The High Light Response inArabidopsisInvolves ABA Signaling between Vascular and Bundle Sheath Cells. Plant Cell, 2009, 21, 2143-2162.	6.6	240
130	Brassinosteroids promote photosynthesis and growth by enhancing activation of Rubisco and expression of photosynthetic genes in Cucumis sativus. Planta, 2009, 230, 1185-1196.	3.2	232
131	Arabidopsis MYB30 is a direct target of BES1 and cooperates with BES1 to regulate brassinosteroidâ€induced gene expression. Plant Journal, 2009, 58, 275-286.	5.7	228
132	Differential expression and affinities of Arabidopsis gibberellin receptors can explain variation in phenotypes of multiple knockâ€out mutants. Plant Journal, 2009, 60, 48-55.	5.7	52
133	Hormonal regulation of temperatureâ€induced growth in Arabidopsis. Plant Journal, 2009, 60, 589-601.	5.7	271
134	Anti-metatype peptides, a molecular tool with high sensitivity and specificity to monitor small ligands. Analytical Biochemistry, 2009, 388, 63-70.	2.4	11
135	Reactive Oxygen Species Are Involved in Brassinosteroid-Induced Stress Tolerance in Cucumber Â. Plant Physiology, 2009, 150, 801-814.	4.8	640
136	Feedback-Regulation of Strigolactone Biosynthetic Genes and Strigolactone-Regulated Genes in Arabidopsis. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2460-2465.	1.3	170
137	Molecular design of strigolactone biosynthetic inhibitors for plant chemical biology. Journal of Pesticide Sciences, 2009, 34, 319-323.	1.4	1
138	Immunomodulation of gibberellin biosynthesis using an anti-precursor gibberellin antibody confers gibberellin-deficient phenotypes. Planta, 2008, 228, 863-873.	3.2	8
139	Asymmetric synthesis and stereochemical structureâ€“activity relationship of (R)- and (S)-8-[1-(2,4-dichlorophenyl)-2-imidazol-1-yl-ethoxy] octanoic acid heptyl ester, a potent inhibitor of allene oxide synthase. Bioorganic and Medicinal Chemistry, 2008, 16, 1090-1095.	3.0	15
140	Immunomodulation of bioactive gibberellin confers gibberellinâ€deficient phenotypes in plants. Plant Biotechnology Journal, 2008, 6, 355-367.	8.3	13
141	The AtGenExpress hormone and chemical treatment data set: experimental design, data evaluation, model data analysis and data access. Plant Journal, 2008, 55, 526-542.	5.7	467
142	A role of brassinosteroids in early fruit development in cucumber. Journal of Experimental Botany, 2008, 59, 2299-2308.	4.8	155
143	Antagonistic Interaction between Systemic Acquired Resistance and the Abscisic Acidâ€“Mediated Abiotic Stress Response in Arabidopsis Â. Plant Cell, 2008, 20, 1678-1692.	6.6	465
144	A new gibberellin detection system in living cells based on antibody VH/VL interaction. Biochemical and Biophysical Research Communications, 2008, 376, 134-138.	2.1	5

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145	Brz220 Interacts with DWF4, a Cytochrome P450 Monooxygenase in Brassinosteroid Biosynthesis, and Exerts Biological Activity. Bioscience, Biotechnology and Biochemistry, 2008, 72, 7-12.	1.3	29
146	Defense-Related Signaling by Interaction of Arabinogalactan Proteins and Î²-Glucosyl Yariv Reagent Inhibits Gibberellin Signaling in Barley Aleurone Cells. Plant and Cell Physiology, 2008, 49, 178-190.	3.1	47
147	Loss-of-Function Mutations in the Arabidopsis Heterotrimeric G-protein Î± Subunit Enhance the Developmental Defects of Brassinosteroid Signaling and Biosynthesis Mutants. Plant and Cell Physiology, 2008, 49, 1013-1024.	3.1	53
148	Germination of photoblastic lettuce seeds is regulated via the control of endogenous physiologically active gibberellin content, rather than of gibberellin responsiveness. Journal of Experimental Botany, 2008, 59, 3383-3393.	4.8	44
149	Chemical Genetic Dissection of Brassinosteroidâ€“Ethylene Interaction. Molecular Plant, 2008, 1, 368-379.	8.3	61
150	The AtGenExpress hormone- and chemical-treatment data set: Experimental design, data evaluation, model data analysis, and data access. Plant Journal, 2008, 55, 080414150319983.	5.7	307
151	A Putative Hydroxysteroid Dehydrogenase Involved in Regulating Plant Growth and Development. Plant Physiology, 2007, 145, 87-97.	4.8	94
152	Identification and characterization of an Ipomoea nil glucosyltransferase which metabolizes some phytohormones. Biochemical and Biophysical Research Communications, 2007, 361, 980-986.	2.1	13
153	Simple and Sensitive Method for Pyrroloquinoline Quinone (PQQ) Analysis in Various Foods Using Liquid Chromatography/Electrospray-Ionization Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2007, 55, 7258-7263.	5.2	59
154	Progesterone: Its occurrence in plants and involvement in plant growth. Phytochemistry, 2007, 68, 1664-1673.	2.9	63
155	Multiple loss-of-function of Arabidopsis gibberellin receptor AtGID1s completely shuts down a gibberellin signal. Plant Journal, 2007, 50, 958-966.	5.7	136
156	ABA-Hypersensitive Germination1 encodes a protein phosphatase 2C, an essential component of abscisic acid signaling in Arabidopsis seed. Plant Journal, 2007, 50, 935-949.	5.7	260
157	BAK1 and BKK1 Regulate Brassinosteroid-Dependent Growth and Brassinosteroid-Independent Cell-Death Pathways. Current Biology, 2007, 17, 1109-1115.	3.9	378
158	Characterization of novel imidazole derivative, JM-8686, a potent inhibitor of allene oxide synthase. FEBS Letters, 2006, 580, 5791-5796.	2.8	18
159	CYP707A1 and CYP707A2, Which Encode Abscisic Acid 8â€²-Hydroxylases, Are Indispensable for Proper Control of Seed Dormancy and Germination in Arabidopsis. Plant Physiology, 2006, 141, 97-107.	4.8	473
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