SAUR Inhibition of PP2C-D Phosphatases Activates Plas Cell Expansion in<i>Arabidopsis</i>Â

Plant Cell 26, 2129-2142 DOI: 10.1105/tpc.114.126037

Citation Report

#	Article	IF	CITATIONS
1	The Root Hair "Infectome―of <i>Medicago truncatula</i> Uncovers Changes in Cell Cycle Genes and Reveals a Requirement for Auxin Signaling in Rhizobial Infection. Plant Cell, 2014, 26, 4680-4701.	6.6	313
2	SAUR19 Links Auxin and Plasma Membrane H ⁺ -ATPases in Cell Expansion. Plant Cell, 2014, 26, 1835-1835.	6.6	7
3	Plasma membrane <scp>H</scp> ⁺ â€ <scp>ATP</scp> ase regulation is required for auxin gradient formation preceding phototropic growth. Molecular Systems Biology, 2014, 10, 751.	7.2	54
4	Multiple Roles of the Plasma Membrane H+-ATPase and Its Regulation. The Enzymes, 2014, 35, 191-211.	1.7	9
6	Strategies of seedlings to overcome their sessile nature: auxin in mobility control. Frontiers in Plant Science, 2015, 6, 218.	3.6	35
7	The Arabidopsis RNA-Binding Protein AtRGGA Regulates Tolerance to Salt and Drought Stress Â. Plant Physiology, 2015, 168, 292-306.	4.8	63
8	A mechanism of growth inhibition by abscisic acid in germinating seeds of Arabidopsis thaliana based on inhibition of plasma membrane H+-ATPase and decreased cytosolic pH, K+, and anions. Journal of Experimental Botany, 2015, 66, 813-825.	4.8	71
9	Plasma membrane H+-ATPase is involved in methyl jasmonate-induced root hair formation in lettuce (Lactuca sativa L.) seedlings. Plant Cell Reports, 2015, 34, 1025-1036.	5.6	7
10	SAUR Proteins as Effectors of Hormonal and Environmental Signals in Plant Growth. Molecular Plant, 2015, 8, 1153-1164.	8.3	386
11	A Genome-Wide Chronological Study of Gene Expression and Two Histone Modifications, H3K4me3 and H3K9ac, during Developmental Leaf Senescence Â. Plant Physiology, 2015, 168, 1246-1261.	4.8	111
12	Potential regulatory phosphorylation sites in a <i>Medicago truncatula</i> plasma membrane proton pump implicated during early symbiotic signaling in roots. FEBS Letters, 2015, 589, 2186-2193.	2.8	9
13	Shade Avoidance Components and Pathways in Adult Plants Revealed by Phenotypic Profiling. PLoS Genetics, 2015, 11, e1004953.	3.5	76
14	Differential growth regulation in plants — the acid growth balloon theory. Current Opinion in Plant Biology, 2015, 28, 55-59.	7.1	51
15	Gene expression profile of <i>zeitlupe/lov kelch protein1</i> T-DNA insertion mutants in <i>Arabidopsis thaliana</i> : Downregulation of auxin-inducible genes in hypocotyls. Plant Signaling and Behavior, 2015, 10, e1071752.	2.4	6
16	New insights in shoot apical meristem morphogenesis: Isotropy comes into play. Plant Signaling and Behavior, 2015, 10, e1000150.	2.4	4
17	Regulation of the plasma membrane proton pump (H+-ATPase) by phosphorylation. Current Opinion in Plant Biology, 2015, 28, 68-75.	7.1	142
18	The Arabidopsis Protein Phosphatase PP2C38 Negatively Regulates the Central Immune Kinase BIK1. PLoS Pathogens, 2016, 12, e1005811.	4.7	113
19	Two Subclasses of Differentially Expressed TPS1 Genes and Biochemically Active TPS1 Proteins May Contribute to Sugar Signalling in Kiwifruit Actinidia chinensis. PLoS ONE, 2016, 11, <u>e0168075</u> .	2.5	4

#	Article	IF	CITATIONS
20	Genome-Wide Analysis of Gene Regulatory Networks of the FVE-HDA6-FLD Complex in Arabidopsis. Frontiers in Plant Science, 2016, 7, 555.	3.6	37
21	Transcription of TIR1-Controlled Genes Can be Regulated within 10 Min by an Auxin-Induced Process. Can TIR1 be the Receptor?. Frontiers in Plant Science, 2016, 7, 995.	3.6	1
22	Reactive Oxygen Species (ROS): Beneficial Companions of Plants' Developmental Processes. Frontiers in Plant Science, 2016, 7, 1299.	3.6	261
23	Catalysts of plant cell wall loosening. F1000Research, 2016, 5, 119.	1.6	179
24	The epidermis coordinates auxin-induced stem growth in response to shade. Genes and Development, 2016, 30, 1529-1541.	5.9	99
25	ROS Regulation of Polar Growth in Plant Cells. Plant Physiology, 2016, 171, 1593-1605.	4.8	106
26	Neighbor Detection Induces Organ-Specific Transcriptomes, Revealing Patterns Underlying Hypocotyl-Specific Growth. Plant Cell, 2016, 28, 2889-2904.	6.6	128
27	A novel Arabidopsis miRNA, ath-miR38-3P, is involved in response to Sclerotinia sclerotiorum infection. Journal of Integrative Agriculture, 2016, 15, 2556-2562.	3.5	1
28	Photosynthesis Activates Plasma Membrane H ⁺ -ATPase via Sugar Accumulation. Plant Physiology, 2016, 171, 580-589.	4.8	69
29	Identification of small auxin-up RNA (SAUR) genes in Urticales plants: mulberry (Morus notabilis), hemp (Cannabis sativa) and ramie (Boehmeria nivea). Journal of Genetics, 2016, 95, 119-129.	0.7	20
30	<i>Arabidopsis</i> SAURs are critical for differential light regulation of the development of various organs. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6071-6076.	7.1	127
31	Molecular basis for differential light responses in Arabidopsis stems and leaves. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5774-5776.	7.1	5
32	The Effects of High Steady State Auxin Levels on Root Cell Elongation in Brachypodium. Plant Cell, 2016, 28, 1009-1024.	6.6	65
33	Expression of a constitutively activated plasma membrane H+-ATPase in Nicotiana tabacum BY-2 cells results in cell expansion. Planta, 2016, 244, 1109-1124.	3.2	14
34	The Regulation of Plant Cell Expansion: Auxin-Induced Turgor-Driven Cell Elongation. , 2016, , 156-173.		3
35	Macromolecular recognition directs calcium ions to coccolith mineralization sites. Science, 2016, 353, 590-593.	12.6	86
36	Circadian regulation of sunflower heliotropism, floral orientation, and pollinator visits. Science, 2016, 353, 587-590.	12.6	187
37	Auxin Influx Carrier AUX1 Confers Acid Resistance for Arabidopsis Root Elongation Through the Regulation of Plasma Membrane H ⁺ -ATPase. Plant and Cell Physiology. 2016. 57. 2194-2201.	3.1	40

#	Article	IF	CITATIONS
38	SUPPRESSOR OF PHYTOCHROME B4-#3 Represses Genes Associated with Auxin Signaling to Modulate Hypocotyl Growth. Plant Physiology, 2016, 171, 2701-2716.	4.8	30
39	<i>Trichoderma asperellum</i> Induces Maize Seedling Growth by Activating the Plasma Membrane H ⁺ -ATPase. Molecular Plant-Microbe Interactions, 2016, 29, 797-806.	2.6	32
40	Molecular and genetic control of plant thermomorphogenesis. Nature Plants, 2016, 2, 15190.	9.3	432
41	<i>Oryza sativa</i> H ⁺ -ATPase (OSA) is Involved in the Regulation of Dumbbell-Shaped Guard Cells of Rice. Plant and Cell Physiology, 2016, 57, 1220-1230.	3.1	37
42	Plasma Membrane H + -ATPase Regulation in the Center of Plant Physiology. Molecular Plant, 2016, 9, 323-337.	8.3	391
43	Auxin and Cellular Elongation. Plant Physiology, 2016, 170, 1206-1215.	4.8	87
44	Enhancement of hypocotyl elongation by LOV KELCH PROTEIN2 production is mediated by auxin and phytochrome-interacting factors in Arabidopsis thaliana. Plant Cell Reports, 2016, 35, 455-467.	5.6	11
45	Plant protein phosphatases 2C: from genomic diversity to functional multiplicity and importance in stress management. Critical Reviews in Biotechnology, 2016, 36, 1023-1035.	9.0	87
46	Avirulence gene mapping in the Hessian fly (Mayetiola destructor) reveals a protein phosphatase 2C effector gene family. Journal of Insect Physiology, 2016, 84, 22-31.	2.0	43
47	Good and bad protons: genetic aspects of acidity stress responses in plants. Journal of Experimental Botany, 2016, 67, 15-30.	4.8	69
48	An ecophysiological and developmental perspective on variation in vessel diameter. Plant, Cell and Environment, 2017, 40, 831-845.	5.7	199
49	Genome-wide analysis and expression characteristics of small auxin-up RNA (<i>SAUR</i>) genes in moso bamboo (<i>Phyllostachys edulis</i>). Genome, 2017, 60, 325-336.	2.0	22
50	Genome-wide identification of SAUR genes in watermelon (Citrullus lanatus). Physiology and Molecular Biology of Plants, 2017, 23, 619-628.	3.1	29
51	Mass Spectrometric Analyses Reveal a Central Role for Ubiquitylation in Remodeling the Arabidopsis Proteome during Photomorphogenesis. Molecular Plant, 2017, 10, 846-865.	8.3	31
52	Blue Light Regulation of Stomatal Opening and the Plasma Membrane H ⁺ -ATPase. Plant Physiology, 2017, 174, 531-538.	4.8	181
53	Elongation of barley roots in highâ€≺scp>pH nutrient solution is supported by both cell proliferation and differentiation in the root apex. Plant, Cell and Environment, 2017, 40, 1609-1617.	5.7	5
54	The Membrane Transport System of the Guard Cell and Its Integration for Stomatal Dynamics. Plant Physiology, 2017, 174, 487-519.	4.8	231
55	A Raf-like protein kinase BHP mediates blue light-dependent stomatal opening. Scientific Reports, 2017, 7, 45586.	3.3	55

#	Article	IF	CITATIONS
56	Cellulose Synthesis and Cell Expansion Are Regulated by Different Mechanisms in Growing Arabidopsis Hypocotyls. Plant Cell, 2017, 29, 1305-1315.	6.6	67
57	Auxin steers root cell expansion via apoplastic pH regulation in <i>Arabidopsis thaliana</i> . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4884-E4893.	7.1	250
58	The small auxin-up RNA OsSAUR45 affects auxin synthesis and transport in rice. Plant Molecular Biology, 2017, 94, 97-107.	3.9	67
59	Molecular networks orchestrating plant cell growth. Current Opinion in Plant Biology, 2017, 35, 98-104.	7.1	29
60	Constitutive Expression of Arabidopsis <i>SMALL AUXIN UP RNA19</i> (<i>SAUR19</i>) in Tomato Confers Auxin-Independent Hypocotyl Elongation. Plant Physiology, 2017, 173, 1453-1462.	4.8	67
61	Brassinosteroid signaling converges with SUPPRESSOR OF PHYTOCHROME B4â€#3 to influence the expression of <i>SMALL AUXIN UP RNA</i> genes and hypocotyl growth. Plant Journal, 2017, 89, 1133-1145.	5.7	40
62	FRUITFULL controls SAUR10 expression and regulates Arabidopsis growth and architecture. Journal of Experimental Botany, 2017, 68, 3391-3403.	4.8	79
63	Members of the abscisic acid coâ€receptor <scp>PP</scp> 2C protein family mediate salicylic acid–abscisic acid crosstalk. Plant Direct, 2017, 1, e00020.	1.9	55
64	Click chemistry-based tracking reveals putative cell wall-located auxin binding sites in expanding cells. Scientific Reports, 2017, 7, 15988.	3.3	13
65	The pH of the Apoplast: Dynamic Factor with Functional Impact Under Stress. Molecular Plant, 2017, 10, 1371-1386.	8.3	139
66	Auxin, microtubules, and vesicle trafficking: conspirators behind the cell wall. Journal of Experimental Botany, 2017, 68, 3321-3329.	4.8	29
67	Comparative Analysis of Expression Profiles of Panicle Development among Tolerant and Sensitive Rice in Response to Drought Stress. Frontiers in Plant Science, 2017, 08, 437.	3.6	19
68	Plants under Stress: Involvement of Auxin and Cytokinin. International Journal of Molecular Sciences, 2017, 18, 1427.	4.1	250
69	Divergent regulation of Arabidopsis SAUR genes: a focus on the SAUR10-clade. BMC Plant Biology, 2017, 17, 245.	3.6	60
70	A genome-wide analysis of the small auxin-up RNA (SAUR) gene family in cotton. BMC Genomics, 2017, 18, 815.	2.8	47
71	Molecular Mechanism of Plant Gravitropism. Kagaku To Seibutsu, 2017, 55, 624-630.	0.0	0
72	Time-Course Transcriptomics Analysis Reveals Key Responses of Submerged Deepwater Rice to Flooding. Plant Physiology, 2018, 176, 3081-3102.	4.8	64
73	Differential expression of hormone related genes between extreme segregants of a Saccharum interspecific F2 population. Euphytica, 2018, 214, 1.	1.2	2

#	Article	IF	CITATIONS
74	Manipulation and Sensing of Auxin Metabolism, Transport and Signaling. Plant and Cell Physiology, 2018, 59, 1500-1510.	3.1	34
75	Identification and Characterization of Compounds that Affect Stomatal Movements. Plant and Cell Physiology, 2018, 59, 1568-1580.	3.1	34
76	Chemical hijacking of auxin signaling with an engineered auxin–TIR1 pair. Nature Chemical Biology, 2018, 14, 299-305.	8.0	107
77	Acid growth: an ongoing trip. Journal of Experimental Botany, 2018, 69, 137-146.	4.8	86
78	Loss of a highly conserved sterile alpha motif domain gene (<i>WEEP</i>) results in pendulous branch growth in peach trees. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4690-E4699.	7.1	52
79	How Does pH Fit in with Oscillating Polar Growth?. Trends in Plant Science, 2018, 23, 479-489.	8.8	33
80	Polar auxin transport is implicated in vessel differentiation and spatial patterning during secondary growth in <i>Populus</i> . American Journal of Botany, 2018, 105, 186-196.	1.7	32
81	Environmental and Genetic Factors Regulating Localization of the Plant Plasma Membrane H+-ATPase. Plant Physiology, 2018, 176, 364-377.	4.8	37
82	Function of the auxin-responsive gene TaSAUR75 under salt and drought stress. Crop Journal, 2018, 6, 181-190.	5.2	83
83	Coumarin enhances nitrate uptake in maize roots through modulation of plasma membrane H ⁺ â€ <scp>ATP</scp> ase activity. Plant Biology, 2018, 20, 390-398.	3.8	19
84	Genome-wide analysis and expression profiling of PP2C clade D under saline and alkali stresses in wild soybean and Arabidopsis. Protoplasma, 2018, 255, 643-654.	2.1	35
85	Growth-mediated plant movements: hidden in plain sight. Current Opinion in Plant Biology, 2018, 41, 89-94.	7.1	45
86	Auxin Signaling. Plant Physiology, 2018, 176, 465-479.	4.8	476
87	SAUR53 regulates organ elongation and apical hook development in Arabidopsis. Plant Signaling and Behavior, 2018, 13, e1514896.	2.4	21
88	SMALL AUXIN UP RNA62/75 Are Required for the Translation of Transcripts Essential for Pollen Tube Growth. Plant Physiology, 2018, 178, 626-640.	4.8	21
89	Integrated Analysis of Transcriptomic and Proteomics Data Reveals the Induction Effects of Rotenoid Biosynthesis of Mirabilis himalaica Caused by UV-B Radiation. International Journal of Molecular Sciences, 2018, 19, 3324.	4.1	6
90	Phenotypic Characterization, Fine Mapping, and Altered Expression Profiling of Roses1 Mutation That Affects Organ Size and Water Loss Through Regulating Stomatal Density in Rice. Crop Science, 2018, 58, 486-506.	1.8	4
91	Identification of Major QTLs Associated With First Pod Height and Candidate Gene Mining in Soybean. Frontiers in Plant Science, 2018, 9, 1280.	3.6	27

#	Article	IF	CITATIONS
92	Plasma membrane H ⁺ â€ <scp>ATP</scp> ase activity and graft success of breadfruit (<i>Artocarpus altilis</i>) onto interspecific rootstocks of marang (<i>A. odoratissimus</i>) and pedalai (<i>A. sericicarpus</i>). Plant Biology, 2018, 20, 978-985.	3.8	6
93	14-3-3 Proteins in Plant Hormone Signaling: Doing Several Things at Once. Frontiers in Plant Science, 2018, 9, 297.	3.6	124
94	The Role of Auxin in Cell Wall Expansion. International Journal of Molecular Sciences, 2018, 19, 951.	4.1	285
95	Location Matters: Canopy Light Responses over Spatial Scales. Trends in Plant Science, 2018, 23, 865-873.	8.8	18
96	Genome-wide analysis of poplar SAUR gene family and expression profiles under cold, polyethylene glycol and indole-3-acetic acid treatments. Plant Physiology and Biochemistry, 2018, 128, 50-65.	5.8	31
97	Apple fruit acidity is genetically diversified by natural variations in three hierarchical epistatic genes: <i>MdSAUR37</i> , <i> MdPP2CH</i> and <i>MdALMTII</i> . Plant Journal, 2018, 95, 427-443.	5.7	71
98	Auxin Contributes to the Intraorgan Regulation of Gene Expression in Response to Shade. Plant Physiology, 2018, 177, 847-862.	4.8	12
99	A subset of plasma membrane-localized PP2C.D phosphatases negatively regulate SAUR-mediated cell expansion in Arabidopsis. PLoS Genetics, 2018, 14, e1007455.	3.5	92
100	Comparative Transcriptome Analysis of Waterlogging-Sensitive and Tolerant Zombi Pea (Vigna) Tj ETQq0 0 0 rgBT Plants, 2019, 8, 264.	[/Overloc 3.5	k 10 Tf 50 42 26
101	The flip side of phosphoâ€signalling: Regulation of protein dephosphorylation and the protein phosphatase 2Cs. Plant, Cell and Environment, 2019, 42, 2913-2930.	5.7	42
102	Reorientation of Cortical Microtubule Arrays in the Hypocotyl of Arabidopsis thaliana Is Induced by the Cell Growth Process and Independent of Auxin Signaling. International Journal of Molecular Sciences, 2019, 20, 3337.	4.1	31
103	Identification and Expression of SAUR Genes in the CAM Plant Agave. Genes, 2019, 10, 555.	2.4	11
104	Molecular evolution and lineage-specific expansion of the PP2C family in Zea mays. Planta, 2019, 250, 1521-1538.	3.2	51
105	Auxin-Dependent Cell Elongation During the Shade Avoidance Response. Frontiers in Plant Science, 2019, 10, 914.	3.6	53
106	Narrow leaf 1 (NAL1) regulates leaf shape by affecting cell expansion in rice (Oryza sativa L.). Biochemical and Biophysical Research Communications, 2019, 516, 957-962.	2.1	28
107	Analysis of gene co-expression networks of phosphate starvation and aluminium toxicity responses in Populus spp PLoS ONE, 2019, 14, e0223217.	2.5	7
108	Genome-wide analysis, transcription factor network approach and gene expression profile of GH3 genes over early somatic embryogenesis in Coffea spp. BMC Genomics, 2019, 20, 812.	2.8	12
109	cis-Cinnamic acid is a natural plant growth-promoting compound. Journal of Experimental Botany, 2019, 70, 6293-6304.	4.8	31

#	Article	IF	CITATIONS
110	Transcriptomic and phosphoproteomic profiling and metabolite analyses reveal the mechanism of NaHCO3-induced organic acid secretion in grapevine roots. BMC Plant Biology, 2019, 19, 383.	3.6	30
111	Dark, Light, and Temperature: Key Players in Plant Morphogenesis. Plant Physiology, 2019, 180, 1793-1802.	4.8	23
112	The Systemin Signaling Cascade As Derived from Time Course Analyses of the Systemin-responsive Phosphoproteome*. Molecular and Cellular Proteomics, 2019, 18, 1526-1542.	3.8	26
113	Role of auxin homeostasis and response in nitrogen limitation and dark stimulation of adventitious root formation in petunia cuttings. Annals of Botany, 2019, 124, 1053-1066.	2.9	28
114	Natural Variations at TIG1 Encoding a TCP Transcription Factor Contribute to Plant Architecture Domestication in Rice. Molecular Plant, 2019, 12, 1075-1089.	8.3	70
115	Auxin and Cell Wall Crosstalk as Revealed by the Arabidopsis thaliana Cellulose Synthase Mutant Radially Swollen 1. Plant and Cell Physiology, 2019, 60, 1487-1503.	3.1	13
116	Hypocotyl Elongation: A Molecular Mechanism for the First Event in Plant Growth That Influences Its Physiology. Plant and Cell Physiology, 2019, 60, 933-934.	3.1	7
117	Molecular and Environmental Regulation of Root Development. Annual Review of Plant Biology, 2019, 70, 465-488.	18.7	224
118	Extracellular matrix sensing by <scp>FERONIA</scp> and Leucineâ€Rich Repeat Extensins controls vacuolar expansion during cellular elongation in <i>Arabidopsis thaliana</i> . EMBO Journal, 2019, 38, .	7.8	158
119	The Ca ²⁺ Sensor SCaBP3/CBL7 Modulates Plasma Membrane H ⁺ -ATPase Activity and Promotes Alkali Tolerance in Arabidopsis. Plant Cell, 2019, 31, 1367-1384.	6.6	106
120	Thermomorphogenesis. Annual Review of Plant Biology, 2019, 70, 321-346.	18.7	232
121	Mutation of a Conserved Motif of PP2C.D Phosphatases Confers SAUR Immunity and Constitutive Activity. Plant Physiology, 2019, 181, 353-366.	4.8	29
122	<i>Arabidopsis</i> H ⁺ -ATPase AHA1 controls slow wave potential duration and wound-response jasmonate pathway activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20226-20231.	7.1	62
123	TaSAUR78 enhances multiple abiotic stress tolerance by regulating the interacting gene TaVDAC1. Journal of Integrative Agriculture, 2019, 18, 2682-2690.	3.5	15
125	CSN5A Subunit of COP9 Signalosome Temporally Buffers Response to Heat in Arabidopsis. Biomolecules, 2019, 9, 805.	4.0	10
126	The <i>SAUR</i> gene family: the plant's toolbox for adaptation of growth and development. Journal of Experimental Botany, 2019, 70, 17-27.	4.8	182
127	On hormonal regulation of the dynamic apical hook development. New Phytologist, 2019, 222, 1230-1234.	7.3	31
128	BRASSINOSTEROID-SIGNALING KINASE 3, a plasma membrane-associated scaffold protein involved in early brassinosteroid signaling. PLoS Genetics, 2019, 15, e1007904.	3.5	76

#	Article	IF	CITATIONS
129	Brassinosteroid Induces Phosphorylation of the Plasma Membrane H+-ATPase during Hypocotyl Elongation in Arabidopsis thaliana. Plant and Cell Physiology, 2019, 60, 935-944.	3.1	46
130	The SUMO E3 Ligase MdSIZ1 Targets MdbHLH104 to Regulate Plasma Membrane H ⁺ -ATPase Activity and Iron Homeostasis. Plant Physiology, 2019, 179, 88-106.	4.8	71
131	The <scp>RIN</scp> â€regulated Small Auxinâ€Up <scp>RNA SAUR</scp> 69 is involved in the unripeâ€toâ€ripe phase transition of tomato fruit via enhancement of the sensitivity to ethylene. New Phytologist, 2019, 222, 820-836.	7.3	43
132	Aluminum-induced high IAA concentration may explain the Al susceptibility in Citrus limonia. Plant Growth Regulation, 2019, 87, 123-137.	3.4	20
133	Protein phosphatases potentially associated with regulation of microtubules, their spatial structure reconstruction and analysis. Cell Biology International, 2019, 43, 1081-1090.	3.0	8
134	Transcriptome Characterization of Gene Profiling During Early Stage of Nitric Oxide-Induced Adventitious Rooting in Mung Bean Seedlings. Journal of Plant Growth Regulation, 2020, 39, 430-455.	5.1	6
135	The SAUR41 subfamily of SMALL AUXIN UP RNA genes is abscisic acid inducible to modulate cell expansion and salt tolerance in Arabidopsis thaliana seedlings. Annals of Botany, 2020, 125, 805-819.	2.9	51
136	Ethephon-regulated maize internode elongation associated with modulating auxin and gibberellin signal to alter cell wall biosynthesis and modification. Plant Science, 2020, 290, 110196.	3.6	35
137	Comparative transcriptomics enables the identification of functional orthologous genes involved in early leaf growth. Plant Biotechnology Journal, 2020, 18, 553-567.	8.3	24
138	PROTEIN PHOSPHATASE95 Regulates Phosphate Homeostasis by Affecting Phosphate Transporter Trafficking in Rice. Plant Cell, 2020, 32, 740-757.	6.6	47
139	SAUR49 Can Positively Regulate Leaf Senescence by Suppressing SSPP in Arabidopsis. Plant and Cell Physiology, 2020, 61, 644-658.	3.1	21
140	The SAUR41 subfamily of cell expansion-promoting genes modulates abscisic acid sensitivity and root touch response: a possible connection to ion homeostasis regulation. Plant Signaling and Behavior, 2020, 15, 1702239.	2.4	1
141	Molecular networks regulating cell division during Arabidopsis leaf growth. Journal of Experimental Botany, 2020, 71, 2365-2378.	4.8	83
142	Exogenous Auxin Induces Transverse Microtubule Arrays Through TRANSPORT INHIBITOR RESPONSE1/AUXIN SIGNALING F-BOX Receptors. Plant Physiology, 2020, 182, 892-907.	4.8	24
143	Auxin signalling in growth: Schrödinger's cat out of the bag. Current Opinion in Plant Biology, 2020, 53, 43-49.	7.1	81
144	Root Silicon Treatment Modulates the Shoot Transcriptome in Brassica napus L. and in Particular Upregulates Genes Related to Ribosomes and Photosynthesis. Silicon, 2021, 13, 4047-4055.	3.3	7
145	SAUR17 and SAUR50 Differentially Regulate PP2C-D1 during Apical Hook Development and Cotyledon Opening in Arabidopsis. Plant Cell, 2020, 32, 3792-3811.	6.6	46
146	Transcriptional and physiological analyses of reduced density in apple provide insight into the regulation involved in photosynthesis. PLoS ONE, 2020, 15, e0239737.	2.5	4

#	Article	IF	CITATIONS
147	FORGETTER2 protein phosphatase and phospholipase D modulate heat stress memory in Arabidopsis. Plant Journal, 2020, 104, 7-17.	5.7	29
148	Photoreceptors Regulate Plant Developmental Plasticity through Auxin. Plants, 2020, 9, 940.	3.5	36
149	A review of current knowledge about the formation of native peridermal exocarp in fruit. Functional Plant Biology, 2020, 47, 1019.	2.1	14
150	Close Temporal Relationship between Oscillating Cytosolic K+ and Growth in Root Hairs of Arabidopsis. International Journal of Molecular Sciences, 2020, 21, 6184.	4.1	6

151 Comparative Transcriptomic Analysis of the Development of Sepal Morphology in Tomato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf

152	Functional Analysis of Aux/IAAs and SAURs on Shoot Growth of Lagerstroemia indica through Virus-Induced Gene Silencing (VIGS). Forests, 2020, 11, 1288.	2.1	4
153	The contribution of cell wall remodeling and signaling to lateral organs formation. Israel Journal of Plant Sciences, 2020, 67, 110-127.	0.5	18
154	Cell Wall Invertase Is Essential for Ovule Development through Sugar Signaling Rather Than Provision of Carbon Nutrients. Plant Physiology, 2020, 183, 1126-1144.	4.8	66
155	Map-based cloning of a novel QTL qBN-1 influencing branch number in soybeanÂ[Glycine maxÂ(L.) Merr.]. Crop Journal, 2020, 8, 793-801.	5.2	10
156	Spaceflight induces novel regulatory responses in Arabidopsis seedling as revealed by combined proteomic and transcriptomic analyses. BMC Plant Biology, 2020, 20, 237.	3.6	50
157	Auxin Signaling-Mediated Apoplastic pH Modification Functions in Petal Conical Cell Shaping. Cell Reports, 2020, 30, 3904-3916.e3.	6.4	21
158	AT-Hook Transcription Factors Restrict Petiole Growth by Antagonizing PIFs. Current Biology, 2020, 30, 1454-1466.e6.	3.9	39
159	Rapid Auxin-Mediated Cell Expansion. Annual Review of Plant Biology, 2020, 71, 379-402.	18.7	128
160	RNA-Seq Study Reveals AP2-Domain-Containing Signalling Regulators Involved in Initial Imbibition of Seed Germination in Rice. Rice Science, 2020, 27, 302-314.	3.9	7
161	Auxin Profiling and <i>GmPIN</i> Expression in <i>Phytophthora sojae</i> â^`Soybean Root Interactions. Phytopathology, 2020, 110, 1988-2002.	2.2	8
162	Small Auxin Up RNAs influence the distribution of indole-3-acetic acid and play a potential role in increasing seed size in Euryale ferox Salisb. BMC Plant Biology, 2020, 20, 311.	3.6	11
163	SAUR15 Promotes Lateral and Adventitious Root Development via Activating H ⁺ -ATPases and Auxin Biosynthesis. Plant Physiology, 2020, 184, 837-851.	4.8	33
164	Pervasive duplication, biased molecular evolution and comprehensive functional analysis of the PP2C family in Glycine max. BMC Genomics, 2020, 21, 465.	2.8	9

#	Article	IF	CITATIONS
165	Associations between phytohormones and cellulose biosynthesis in land plants. Annals of Botany, 2020, 126, 807-824.	2.9	16
166	The unexpected concentration-dependent response of periphytic biofilm during indole acetic acid removal. Bioresource Technology, 2020, 303, 122922.	9.6	8
167	Molecular Regulation of Plant Responses to Environmental Temperatures. Molecular Plant, 2020, 13, 544-564.	8.3	346
168	Transcriptomic analysis reveals root metabolic alteration and induction of huanglongbing resistance by sulphonamide antibiotics in huanglongbingâ€affected citrus plants. Plant Pathology, 2020, 69, 733-743.	2.4	9
169	Identification, phylogenetic analysis, and expression patterns of the SAUR gene family in loquat (Eriobotrya japonica). Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2020, 44, 15-23.	2.1	8
170	Auxin-Abscisic Acid Interactions in Plant Growth and Development. Biomolecules, 2020, 10, 281.	4.0	95
171	A long nonâ€coding apple RNA, MSTRG.85814.11, acts as a transcriptional enhancer of <i>SAUR32</i> and contributes to the Feâ€deficiency response. Plant Journal, 2020, 103, 53-67.	5.7	42
172	Exploiting natural variation in root system architecture via genome-wide association studies. Journal of Experimental Botany, 2020, 71, 2379-2389.	4.8	21
173	Plant tissue succulence engineering improves waterâ€use efficiency, waterâ€deficit stress attenuation and salinity tolerance in Arabidopsis. Plant Journal, 2020, 103, 1049-1072.	5.7	36
174	Identification and expression analysis of the small auxin-up RNA (SAUR) gene family in apple by inducing of auxin. Gene, 2020, 750, 144725.	2.2	20
175	Root-Apex Proton Fluxes at the Centre of Soil-Stress Acclimation. Trends in Plant Science, 2020, 25, 794-804.	8.8	35
176	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
177	The Asymmetric Expression of SAUR Genes Mediated by ARF7/19 Promotes the Gravitropism and Phototropism of Plant Hypocotyls. Cell Reports, 2020, 31, 107529.	6.4	35
178	Class-I TCP Transcription Factors Activate the <i>SAUR63</i> Gene Subfamily in Gibberellin-Dependent Stamen Filament Elongation. Plant Physiology, 2020, 182, 2096-2110.	4.8	42
179	Pho-view of Auxin: Reversible Protein Phosphorylation in Auxin Biosynthesis, Transport and Signaling. Molecular Plant, 2021, 14, 151-165.	8.3	56
180	Control of Plant Growth and Defense by Photoreceptors: From Mechanisms to Opportunities in Agriculture. Molecular Plant, 2021, 14, 61-76.	8.3	61
181	Class I TCP proteins TCP14 and TCP15 are required for elongation and gene expression responses to auxin. Plant Molecular Biology, 2021, 105, 147-159.	3.9	31
182	Interaction between Ca2+ and ROS signaling in plants. , 2021, , 387-410.		2

#	Article	IF	CITATIONS
183	Proton and calcium pumping P-type ATPases and their regulation of plant responses to the environment. Plant Physiology, 2021, 187, 1856-1875.	4.8	29
184	Auxin–Environment Integration in Growth Responses to Forage for Resources. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040030.	5.5	6
185	Subcellular Journey of Rare Cold Inducible 2 Protein in Plant Under Stressful Condition. Frontiers in Plant Science, 2020, 11, 610251.	3.6	14
186	Genome-wide identification and characterization of small auxin-up RNA (SAUR) gene family in plants: evolution and expression profiles during normal growth and stress response. BMC Plant Biology, 2021, 21, 4.	3.6	28
187	Noncanonical Auxin Signaling. Cold Spring Harbor Perspectives in Biology, 2021, 13, a039917.	5.5	9
188	N-Glycosylation is Important for Root Growth Under Alkaline Stress by Involving Auxin Transport and Proton Efflux. SSRN Electronic Journal, 0, , .	0.4	0
190	A plant plasma-membrane H+-ATPase promotes yeast TORC1 activation via its carboxy-terminal tail. Scientific Reports, 2021, 11, 4788.	3.3	7
191	Histone Demethylases ELF6 and JMJ13 Antagonistically Regulate Self-Fertility in Arabidopsis. Frontiers in Plant Science, 2021, 12, 640135.	3.6	11
192	EIN3-Mediated Ethylene Signaling Attenuates Auxin Response during Hypocotyl Thermomorphogenesis. Plant and Cell Physiology, 2021, 62, 708-720.	3.1	13
193	On the Evolutionary Origins of Land Plant Auxin Biology. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040048.	5.5	8
194	The Rice Small Auxin-Up RNA Gene OsSAUR33 Regulates Seed Vigor via Sugar Pathway during Early Seed Germination. International Journal of Molecular Sciences, 2021, 22, 1562.	4.1	25
195	The Arabidopsis SMALL AUXIN UP RNA32 Protein Regulates ABA-Mediated Responses to Drought Stress. Frontiers in Plant Science, 2021, 12, 625493.	3.6	44
196	Manipulating <i>ZmEXPA4</i> expression ameliorates the drought-induced prolonged anthesis and silking interval in maize. Plant Cell, 2021, 33, 2058-2071.	6.6	33
197	Expanding wheat yields with expansin. New Phytologist, 2021, 230, 403-405.	7.3	11
198	The Sequential Action of MIDA9/PP2C.D1, PP2C.D2, and PP2C.D5 Is Necessary to Form and Maintain the Hook After Germination in the Dark. Frontiers in Plant Science, 2021, 12, 636098.	3.6	2
199	Low ABA concentration promotes root growth and hydrotropism through relief of ABA INSENSITIVE 1-mediated inhibition of plasma membrane H ⁺ -ATPase 2. Science Advances, 2021, 7, .	10.3	78
200	Leaf transcriptomic signatures for somatic embryogenesis potential of Elaeis guineensis. Plant Cell Reports, 2021, 40, 1141-1154.	5.6	5
201	Casting the Net—Connecting Auxin Signaling to the Plant Genome. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040006.	5.5	2

		CITATION REPORT	
#	Article	IF	CITATIONS
204	A dual mode of ethylene actions contributes to the optimization of hypocotyl growth under fluctuating temperature environments. Plant Signaling and Behavior, 2021, 16, 1926131.	2.4	2
205	A Comparative Analysis of Transcription Networks Active in Juvenile and Mature Wood in Populus. Frontiers in Plant Science, 2021, 12, 675075.	3.6	7

206 Integrated Physiological and Transcriptomic Analyses Responses to Altitude Stress in Oat (Avena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50

207	<i>slim shady</i> is a novel allele of <i>PHYTOCHROME B</i> present in the Tâ€ÐNA line SALK_015201. Plant Direct, 2021, 5, e00326.	1.9	6
208	A network of stress-related genes regulates hypocotyl elongation downstream of selective auxin perception. Plant Physiology, 2021, 187, 430-445.	4.8	4
209	Phytohormonal and Transcriptomic Response of Hulless Barley Leaf in Response to Powdery Mildew Infection. Agronomy, 2021, 11, 1248.	3.0	3
210	Differential transcription pathways associated with rootstock-induced dwarfing in breadfruit (Artocarpus altilis) scions. BMC Plant Biology, 2021, 21, 261.	3.6	8
211	Gibberellin biosynthesis inhibitor mepiquat chloride enhances root K+ uptake in cotton by modulating plasma membrane H+-ATPase. Journal of Experimental Botany, 2021, 72, 6659-6671.	4.8	10
212	Quo vadis: signaling molecules and small secreted proteins from mycorrhizal fungi at the early stage of mycorrhiza formation. Symbiosis, 2021, 85, 123-143.	2.3	8
213	Shaping the biology of citrus: II. Genomic determinants of domestication. Plant Genome, 2021, 14, e20133.	2.8	2
214	Fourteen Stations of Auxin. Cold Spring Harbor Perspectives in Biology, 2022, 14, a039859.	5.5	49
215	Recent Advances in Understanding the Roles of Pectin as an Active Participant in Plant Signaling Networks. Plants, 2021, 10, 1712.	3.5	40
216	Transcriptomic analysis of a wild and a cultivated varieties of Capsicum annuum over fruit development and ripening. PLoS ONE, 2021, 16, e0256319.	2.5	7
217	Unraveling a genetic roadmap for improved taste in the domesticated apple. Molecular Plant, 2021, 14, 1454-1471.	8.3	47
218	Molecular basis of plasma membrane H+-ATPase function and potential application in the agricultural production. Plant Physiology and Biochemistry, 2021, 168, 10-16.	5.8	13
220	Low pH-induced cell wall disturbances in Arabidopsis thaliana roots lead to a pattern-specific programmed cell death in the different root zones and arrested elongation in late elongation zone. Environmental and Experimental Botany, 2021, 190, 104596.	4.2	6
221	Interaction of Light and Temperature Signaling at the Plant Interphase: From Cue to Stress. , 2017, , 111-132.		1
222	Robust organ size requires robust timing of initiation orchestrated by focused auxin and cytokinin signalling. Nature Plants, 2020, 6, 686-698.	9.3	48

#	Article	IF	CITATIONS
223	A bioassay-guided fractionation system to identify endogenous small molecules that activate plasma membrane H+-ATPase activity in Arabidopsis. Journal of Experimental Botany, 2017, 68, 2951-2962.	4.8	32
226	Up in the air: Untethered Factors of Auxin Response. F1000Research, 2016, 5, 133.	1.6	13
227	Root-tip-mediated inhibition of hydrotropism is accompanied with the suppression of asymmetric expression of auxin-inducible genes in response to moisture gradients in cucumber roots. PLoS ONE, 2018, 13, e0189827.	2.5	15
228	Real-time Analysis of Auxin Response, Cell Wall pH and Elongation in Arabidopsis thaliana Hypocotyls. Bio-protocol, 2018, 8, e2685.	0.4	11
229	Characterization of cis-elements in hormonal stress-responsive genes in Oryza sativa. Asia-Pacific Journal of Molecular Biology and Biotechnology, 0, , 95-102.	0.1	8
230	Recent research progress on acid-growth theory. Journal of Plant Biotechnology, 2016, 43, 405-410.	0.4	1
231	Gene expression profile of <i>Arabidopsis</i> plants that overexpress <i>ZEITLUPE/LOV KELCH PROTEIN1</i> : up-regulation of auxin-inducible genes in hypocotyls. Plant Biotechnology, 2015, 32, 257-261.	1.0	3
232	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
233	Auxin regulates SNARE-dependent vacuolar morphology restricting cell size. ELife, 2015, 4, .	6.0	95
234	TIR1/AFB-Aux/IAA auxin perception mediates rapid cell wall acidification and growth of Arabidopsis hypocotyls. ELife, 2016, 5, .	6.0	156
235	Seed Germination: Explicit Crosstalk Between Hormones and ROS. Plant in Challenging Environments, 2021, , 67-90.	0.4	0
236	ZmTE1 promotes plant height by regulating intercalary meristem formation and internode cell elongation in maize. Plant Biotechnology Journal, 2022, 20, 526-537.	8.3	27
238	Abscisic acid employs NRPâ€dependent PIN2 vacuolar degradation to suppress auxinâ€mediated primary root elongation in <i>Arabidopsis</i> . New Phytologist, 2022, 233, 297-312.	7.3	11
241	Recent research progress on the functional roles and regulatory mechanisms of <i>SMALL AUXIN UP RNA</i> gene family. Journal of Plant Biotechnology, 2018, 45, 183-189.	0.4	0
244	Cell surface and intracellular auxin signalling for H+ fluxes in root growth. Nature, 2021, 599, 273-277.	27.8	128
245	TMK-based cell-surface auxin signalling activates cell-wall acidification. Nature, 2021, 599, 278-282.	27.8	125
246	Grape Small Auxin Upregulated RNA (SAUR) 041 Is a Candidate Regulator of Berry Size in Grape. International Journal of Molecular Sciences, 2021, 22, 11818.	4.1	11
247	Reproductive Stage Drought Tolerance in Wheat: Importance of Stomatal Conductance and Plant Growth Regulators. Genes, 2021, 12, 1742.	2.4	16

#	Article	IF	CITATIONS
248	Mechanisms of temperature-regulated growth and thermotolerance in crop species. Current Opinion in Plant Biology, 2022, 65, 102134.	7.1	33
250	SAUR proteins and PP2C.D phosphatases regulate H+-ATPases and K+ channels to control stomatal movements. Plant Physiology, 2021, 185, 256-273.	4.8	35
251	Physiological and transcriptomic analyses of brassinosteroid function in kiwifruit root. Environmental and Experimental Botany, 2022, 194, 104685.	4.2	3
252	Hydrogen cyanamide enhances flowering time in tea oil camellia (Camellia oleifera Abel.). Industrial Crops and Products, 2022, 176, 114313.	5.2	10
253	Insight Between the Epigenetics and Transcription Responding of Cotton Hypocotyl Cellular Elongation Under Salt-Alkaline Stress. Frontiers in Plant Science, 2021, 12, 772123.	3.6	0
254	Role of Auxin and Nitrate Signaling in the Development of Root System Architecture. Frontiers in Plant Science, 2021, 12, 690363.	3.6	19
255	Postembryonic in Plants: Experimental Induction of New Shoot and Root Organs. Methods in Molecular Biology, 2022, 2395, 79-95.	0.9	0
256	Transcriptomic Changes in Internode Explants of Stinging Nettle during Callogenesis. International Journal of Molecular Sciences, 2021, 22, 12319.	4.1	1
257	Seedling morphogenesis: when ethylene meets high ambient temperature. ABIOTECH, 0, , 1.	3.9	1
258	TMK: A crucial piece of the acid growth puzzle. Molecular Plant, 2021, 14, 1982-1984.	8.3	2
259	Bending to auxin: fast acid growth for tropisms. Trends in Plant Science, 2022, 27, 440-449.	8.8	34
260	Uncovering the Genetic Architecture of Replicated Adaptation. SSRN Electronic Journal, 0, , .	0.4	2
261	Transcriptome and hormone analyses reveals differences in physiological age of ′Hass′ avocado fruit. Postharvest Biology and Technology, 2022, 185, 111806.	6.0	8
262	Biphasic control of cell expansion by auxin coordinates etiolated seedling development. Science Advances, 2022, 8, eabj1570.	10.3	19
263	Tripartite hormonal regulation of plasma membrane H+-ATPase activity. Trends in Plant Science, 2022, 27, 588-600.	8.8	16
264	Auxin signaling: Research advances over the past 30 years. Journal of Integrative Plant Biology, 2022, 64, 371-392.	8.5	87
265	Insights into the Physiological and Molecular Mechanisms Underlying Highbush Blueberry Fruit Growth Affected by the Pollen Source. Horticulture Journal, 2022, 91, 140-151.	0.8	4
266	The SAUR gene family in coffee: genome-wide identification and gene expression analysis during somatic embryogenesis. Molecular Biology Reports, 2022, 49, 1973-1984.	2.3	4

ARTICLE IF CITATIONS # Physio-Morphological, Biochemical and Transcriptomic Analyses Provide Insights Into Drought Stress 267 3.6 6 Responses in Mesona chinensis Benth. Frontiers in Plant Science, 2022, 13, 809723. Salt-Specific Gene Expression Reveals Elevated Auxin Levels in Arabidopsis thaliana Plants Grown 268 3.6 19 Under Saline Conditions. Frontiers in Plant Science, 2022, 13, 804716. Dissection of canopy layer-specific genetic control of leaf angle in Sorghum bicolor by RNA 269 2.8 7 sequencing. BMC Genomics, 2022, 23, 95. Promotion and Upregulation of a Plasma Membrane Proton-ATPase Strategy: Principles and 270 Applications. Frontiers in Plant Science, 2021, 12, 749337. Stimulation of plasma membrane H+-ATPase by auxins or fusicoccin and its relation to maize kernel 271 5.2 4 setting, grain yield, and harvest index. Advances in Agronomy, 2022, , 235-267. Identification of the soybean small auxin upregulated RNA (SAUR) gene family and specific haplotype for drought tolerance. Biologia (Poland), 2022, 77, 1197-1217. 1.5 Electrophysiological, Morphologic, and Transcriptomic Profiling of the Ogura-CMS, DGMS and 273 3.5 5 Maintainer Broccoli Lines. Plants, 2022, 11, 561. CINCINNATA-Like TCP Transcription Factors in Cell Growth – An Expanding Portfolio. Frontiers in 274 9 3.6 Plant Science, 2022, 13, 825341. H⁺-ATPases in Plant Growth and Stress Responses. Annual Review of Plant Biology, 2022, 275 18.7 45 73, 495-521. Genome-wide identification and expression of SAUR gene family in peanut (Arachis hypogaea L.) and 3.6 functional identification of AhSAUR3 in drought tolerance. BMC Plant Biology, 2022, 22, 178. Roles of plant hormones in thermomorphogenesis. Stress Biology, 2021, 1, . 277 2 3.1 Type 2C protein phosphatase clade D family members dephosphorylate guard cell plasma membrane 278 4.8 H+-ATPase. Plant Physiology, 2022, 188, 2228-2240. Role of protein phosphatases in the regulation of nitrogen nutrition in plants. Physiology and 279 3.1 6 Molecular Biology of Plants, 2021, 27, 2911-2922. Spatial differences in stoichiometry of EGR phosphatase and Microtubule-associated Stress Protein 1 280 6.6 control root meristem activity during drought stress. Plant Cell, 2022, 34, 742-758. A plastidial retrograde signal potentiates biosynthesis of systemic stress response activators. New 281 7.3 4 Phytologist, 2022, 233, 1732-1749. Genome-Wide Association Analysis of Salt-Tolerant Traits in Terrestrial Cotton at Seedling Stage. Plants, 2022, 11, 97. Plasma membrane H+-ATPases promote TORC1 activation in plant suspension cells. IScience, 2022, 25, 283 4.1 1 104238. SAUR15 interaction with BRI1 activates plasma membrane H+-ATPase to promote organ development of 294 4.8 Arabidopsis. Plant Physiology, 2022, 189, 2454-2466.

#	Article	IF	CITATIONS
295	MNSs-mediated N-glycan processing is essential for auxin homeostasis in Arabidopsis roots during alkaline response. IScience, 2022, 25, 104298.	4.1	0
296	Rapid responses: receptorâ€like kinases directly regulate the functions of membrane transport proteins in plants. Journal of Integrative Plant Biology, 2022, , .	8.5	2
297	Melatonin as a regulator of plant ionic homeostasis: implications for abiotic stress tolerance. Journal of Experimental Botany, 2022, 73, 5886-5902.	4.8	26
300	Expansin-mediated developmental and adaptive responses: A matter of cell wall biomechanics?. Quantitative Plant Biology, 2022, 3, .	2.0	10
301	Root system responses to phosphate nutrition involve plasma membrane H+-ATPases in Arabidopsis thaliana. Acta Physiologiae Plantarum, 2022, 44, .	2.1	4
302	SAUR8, a small auxin-up RNA gene in poplar, confers drought tolerance to transgenic Arabidopsis plants. Gene, 2022, 837, 146692.	2.2	2
303	SCaBP3/CBL7 negatively regulates the plasma membrane H ⁺ -ATPase and modulates hypocotyl elongation in <i>Arabidopsis</i> . Plant Signaling and Behavior, 2022, 17, .	2.4	1
304	Genome-Wide Identification of TaSAUR Gene Family Members in Hexaploid Wheat and Functional Characterization of TaSAUR66-5B in Improving Nitrogen Use Efficiency. International Journal of Molecular Sciences, 2022, 23, 7574.	4.1	2
306	How candidate genes respond to aluminum toxicity in Citrus x limonia Osbeck?. Theoretical and Experimental Plant Physiology, 0, , .	2.4	1
307	Toxic mechanism of two cyanobacterial volatiles β-cyclocitral and β-ionone on the photosynthesis in duckweed by altering gene expression. Environmental Pollution, 2022, 308, 119711.	7.5	7
308	RALF1 peptide triggers biphasic root growth inhibition upstream of auxin biosynthesis. Proceedings of the United States of America, 2022, 119, .	7.1	18
309	PheGRF4e initiated auxin signaling during moso bamboo shoot development. Molecular Biology Reports, 2022, 49, 8815-8825.	2.3	5
310	Transcriptome analysis of halophyte Nitraria tangutorum reveals multiple mechanisms to enhance salt resistance. Scientific Reports, 2022, 12, .	3.3	7
311	The root apoplastic pH as an integrator of plant signaling. Frontiers in Plant Science, 0, 13, .	3.6	7
312	Comparative transcriptomic profiling in the pulp and peel of pitaya fruit uncovers the gene networks regulating pulp color formation. Frontiers in Plant Science, 0, 13, .	3.6	1
313	The Comparison of Temporal Transcriptome Changes Between Morning-Opening and Afternoon-Opening Iris Flowers Reveals the Candidate Genes Regulating Flower Opening and Closing. Journal of Plant Biology, 0, , .	2.1	1
314	Auxin application to maize plants at flowering increases abundance and activity of plasma membrane H ⁺ â€ATPase in developing maize kernels. Journal of Plant Nutrition and Soil Science, 2022, 185, 554-566.	1.9	4
315	Feedback regulation of auxin signaling through the transcription of <i>H2A.Z</i> and deposition of <scp>H2A</scp> .Z to <i>SMALL AUXIN UP RNAs</i> in <i>Arabidopsis</i> . New Phytologist, 2022, 236, 1721-1733.	7.3	7

#	Article	IF	CITATIONS
316	A Long Noncoding RNA Derived from lncRNA–mRNA Networks Modulates Seed Vigor. International Journal of Molecular Sciences, 2022, 23, 9472.	4.1	3
317	SUPPRESSOR OF PHYTOCHROME B-4Â#3 reduces the expression of PIF-activated genes and increases expression of growth repressors to regulate hypocotyl elongation in short days. BMC Plant Biology, 2022, 22, .	3.6	0
318	Transcriptome profiling of the chilling response in wheat spikes: I, acclimation response to long-term chilling treatment. Current Plant Biology, 2022, 31, 100255.	4.7	4
319	Effects of α-Naphthylacetic Acid on Cadmium Stress and Related Factors of Tomato by Regulation of Gene Expression. Agronomy, 2022, 12, 2141.	3.0	3
320	PIF7 is a master regulator of thermomorphogenesis in shade. Nature Communications, 2022, 13, .	12.8	31
321	SAUR63 stimulates cell growth at the plasma membrane. PLoS Genetics, 2022, 18, e1010375.	3.5	8
323	Height to first pod: A review of genetic and breeding approaches to improve combine harvesting in legume crops. Frontiers in Plant Science, 0, 13, .	3.6	6
324	Transcriptome Analysis of the Development of Pedicel Abscission Zone in Tomato. Horticulturae, 2022, 8, 865.	2.8	1
325	SALT OVERLY SENSITIVE 1 is inhibited by clade D Protein phosphatase 2C D6 and D7 in <i>Arabidopsis thaliana</i> . Plant Cell, 2023, 35, 279-297.	6.6	13
326	Elevated <scp>CO₂</scp> induces rapid dephosphorylation of plasma membrane H ⁺ â€ <scp>ATPase</scp> in guard cells. New Phytologist, 2022, 236, 2061-2074.	7.3	8
327	Histone methyltransferases SDG33 and SDG34 regulate organ-specific nitrogen responses in tomato. Frontiers in Plant Science, 0, 13, .	3.6	4
328	Identification of the Functional Modules of SIPP2C.D—SISAUR and Their Roles in Abscisic Acid-Mediated Inhibition of Tomato Hypocotyl Elongation. Agronomy, 2022, 12, 2542.	3.0	1
329	Are the cyst nematode hatching factor eclepins rhizosphere signalling molecules? Solanoeclepin A regulates gene expression in plants. Open Research Europe, 0, 2, 122.	2.0	0
330	Brassinosteroids promote etiolated apical structures in darkness by amplifying the ethylene response via the EBF-EIN3/PIF3 circuit. Plant Cell, 2023, 35, 390-408.	6.6	8
331	Extranuclear auxin signaling: a new insight into auxin's versatility. New Phytologist, 2023, 237, 1115-1121.	7.3	11
332	Growth or stress responses: TMK–FER balancing act. Trends in Plant Science, 2022, , .	8.8	3
333	Overexpression of a Plasma Membrane H+-ATPase Gene OSA1 Stimulates the Uptake of Primary Macronutrients in Rice Roots. International Journal of Molecular Sciences, 2022, 23, 13904.	4.1	3
337	Surface-localized glycoproteins act through class C ARFs to fine-tune gametophore initiation in <i>Physcomitrium patens</i> . Development (Cambridge), 2022, 149, .	2.5	1

C	TAT		Dro	ODT
U	IAL	IUN	KEP	'UR I

#	Article	IF	CITATIONS
338	Comparative transcriptomics reveals commonalities and differences in the genetic underpinnings of a floral dimorphism. Scientific Reports, 2022, 12, .	3.3	4
340	Light signaling-mediated growth plasticity in Arabidopsis grown under high-temperature conditions. Stress Biology, 2022, 2, .	3.1	3
341	To curve for survival: Apical hook development. Journal of Integrative Plant Biology, 2023, 65, 324-342.	8.5	5
342	Novel Plant Growth Regulator Guvermectin from Plant Growth-Promoting Rhizobacteria Boosts Biomass and Grain Yield in Rice. Journal of Agricultural and Food Chemistry, 2022, 70, 16229-16240.	5.2	12
343	Plant Plasma Membrane Proton Pump: One Protein with Multiple Functions. Cells, 2022, 11, 4052.	4.1	9
344	Drought Stress: Involvement of Plant Hormones in Perception, Signaling, and Response. , 2023, , 227-250.		1
345	Genome-wide association and RNA-seq analyses identify loci for pod orientation in rapeseed (Brassica) Tj ETQqO	0 0 rgBT /(3.9	Overlock 10 1
346	Physiological and Full-Length Transcriptome Analyses Reveal the Dwarfing Regulation in Trifoliate Orange (Poncirus trifoliata L.). Plants, 2023, 12, 271.	3.5	2
347	Auxin promotes hypocotyl elongation by enhancing BZR1 nuclear accumulation in <i>Arabidopsis</i> . Science Advances, 2023, 9, .	10.3	14
348	Shade avoidance in the context of climate change. Plant Physiology, 2023, 191, 1475-1491.	4.8	9
349	Save your <scp>TIRs</scp> – more to auxin than meets the eye. New Phytologist, 2023, 238, 971-976.	7.3	8
350	Ca2+-dependent TaCCD1 cooperates with TaSAUR215 to enhance plasma membrane H+-ATPase activity and alkali stress tolerance by inhibiting PP2C-mediated dephosphorylation of TaHA2 in wheat. Molecular Plant, 2023, 16, 571-587.	8.3	8
351	Photosynthetic-Product–Dependent Activation of Plasma Membrane H+-ATPase and Nitrate Uptake in <i>Arabidopsis</i> Leaves. Plant and Cell Physiology, 2023, 64, 191-203.	3.1	8
352	The dynamics of H2A.Z on <i>SMALL AUXIN UP RNA</i> s regulate abscisic acid–auxin signaling crosstalk in Arabidopsis. Journal of Experimental Botany, 2023, 74, 4158-4168.	4.8	2
353	Transcriptome analysis of fiber development under high-temperature stress in flax (Linum) Tj ETQq0 0 0 rgBT /Ov	erlock 10	Tf 50 182 Td
354	Small Auxin Up RNA (SAUR) gene family identification and functional genes exploration during the floral organ and fruit developmental stages in pineapple (Ananas comosus L.) and its response to salinity and drought stresses. International Journal of Biological Macromolecules, 2023, 237, 124061.	7.5	4

355	Transcriptome analysis of Citrus limon infected with Citrus yellow vein clearing virus. BMC Genomics, 2023, 24, .	2.8	4
357	Protein phosphatases and their targets: Comprehending the interactions in plant signaling pathways. Advances in Protein Chemistry and Structural Biology, 2023, , 307-370.	2.3	1

#	Article	IF	CITATIONS
358	PP2C.D phosphatase SAL1 positively regulates aluminum resistance via restriction of aluminum uptake in rice. Plant Physiology, 2023, 192, 1498-1516.	4.8	5
359	Phytohormone signaling in osmotic stress response. , 2023, , 89-108.		1
360	Auxin regulation on crop: from mechanisms to opportunities in soybean breeding. Molecular Breeding, 2023, 43, .	2.1	2
362	Current Knowledge about the Impact of Microgravity on Gene Regulation. Cells, 2023, 12, 1043.	4.1	5
363	Physiology and transcriptomic analysis of endogenous hormones regulating in vitro adventitious root formation in tree peony. Scientia Horticulturae, 2023, 318, 112122.	3.6	5
364	GmCAMYB-BINDING PROTEIN 1 promotes <i>small auxin-up RNA</i> gene transcription to modulate soybean maturity and height. Plant Physiology, 2023, 193, 775-791.	4.8	1
365	Transcriptomic and functional analysis reveals that VvSAUR43 may be involved the elongation of grape berries. Scientia Horticulturae, 2023, 318, 112119.	3.6	0
366	TCP Transcription Factors in Plant Reproductive Development: Juggling Multiple Roles. Biomolecules, 2023, 13, 750.	4.0	4
367	Molecular characterization of the SAUR gene family in sweet cherry and functional analysis of PavSAUR55 in the process of abscission. Journal of Integrative Agriculture, 2023, 22, 1720-1739.	3.5	3
369	Overexpression of a novel small auxin-up RNA gene, OsSAUR11, enhances rice deep rootedness. BMC Plant Biology, 2023, 23, .	3.6	2
370	Cytokinin-inducible response regulator <i>SIRR6</i> controls plant height through gibberellin and auxin pathways in tomato. Journal of Experimental Botany, 2023, 74, 4471-4488.	4.8	4
371	Transcriptomic analysis of Chinese yam (Dioscorea polystachya Turcz.) variants indicates brassinosteroid involvement in tuber development. Frontiers in Nutrition, 0, 10, .	3.7	1
372	Auxin as an architect of the pectin matrix. Journal of Experimental Botany, 2023, 74, 6933-6949.	4.8	3
373	Protein phosphorylation: A molecular switch in plant signaling. Cell Reports, 2023, 42, 112729.	6.4	5
374	Temperature regulation of auxin-related gene expression and its implications for plant growth. Journal of Experimental Botany, 2023, 74, 7015-7033.	4.8	2
375	The AUX1-AFB1-CNGC14 module establishes a longitudinal root surface pH profile. ELife, 0, 12, .	6.0	9
376	Sensing and regulation of plant extracellular pH. Trends in Plant Science, 2023, , .	8.8	0
377	PIF4 enhances the expression of <i>SAUR</i> genes to promote growth in response to nitrate. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	1

#	Article	IF	CITATIONS
378	TCP13 promotes shade avoidance syndrome-like responses by directly targeting a subset of shade-responsive gene promoters. Journal of Experimental Botany, 0, , .	4.8	0
379	Multiple light signaling pathways control solar tracking in sunflowers. PLoS Biology, 2023, 21, e3002344.	5.6	1
380	Leaf growth – complex regulation of a seemingly simple process. Plant Journal, 2024, 117, 1018-1051.	5.7	1
381	The Small Auxin-Up RNA SAUR10 Is Involved in the Promotion of Seedling Growth in Rice. Plants, 2023, 12, 3880.	3.5	1
382	Structure and growth of plant cell walls. Nature Reviews Molecular Cell Biology, 0, , .	37.0	3
385	STOP1â€regulated <i>SMALL AUXIN UP RNA55</i> (<i>SAUR55</i>) is involved in proton/malate coâ€secretion for Al tolerance in Arabidopsis. Plant Direct, 2024, 8, .	1.9	0
386	Arabidopsis plasma membrane H+-ATPase interacts with auxin to regulate Danger-Associated Peptide Pep1-induced root growth inhibition. Biochemical and Biophysical Research Communications, 2024, 696, 149507.	2.1	0
388	Defying gravity: WEEP promotes negative gravitropism in peach trees by establishing asymmetric auxin gradients. Plant Physiology, 0, , .	4.8	0
389	Recent Advances in Understanding the Regulatory Mechanism of Plasma Membrane H+-ATPase through the Brassinosteroid Signaling Pathway. Plant and Cell Physiology, 0, , .	3.1	0
390	Phosphorylation of plasma membrane H+-ATPase Thr881 participates in light-induced stomatal opening. Nature Communications, 2024, 15, .	12.8	0
391	Mechanism underlying the rapid growth of Phalaenopsis equestris induced by 60Co-Î ³ -ray irradiation. Molecular Genetics and Genomics, 2024, 299, .	2.1	0
392	The cell surface is the place to be for brassinosteroid perception and responses. Nature Plants, 2024, 10, 206-218.	9.3	0