JiÅÃ- Friml

List of Publications by Year
in descending order

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274 papers	47,382 citations	1614 105 h-index	1980 206 g-index
307 all docs	307 docs citations	307 times ranked	17203 citing authors

#	Article	IF	Citations
1	Fourteen Stations of Auxin. Cold Spring Harbor Perspectives in Biology, 2022, 14, a039859.	5.5	49
2	Evaluation of Gravitropism in Non-seed Plants. Methods in Molecular Biology, 2022, 2368, 43-51.	0.9	1
3	Mutually opposing activity of PIN7 splicing isoforms is required for auxinâ€mediated tropic responses in Arabidopsis thaliana. New Phytologist, 2022, 233, 329-343.	7.3	13
4	Automated Time-Lapse Imaging and Manipulation of Cell Divisions in Arabidopsis Roots by Vertical-Stage Confocal Microscopy. Methods in Molecular Biology, 2022, 2382, 105-114.	0.9	0
5	Transcriptional Analysis in the Arabidopsis Roots Reveals New Regulators that Linkrac-GR24 Treatment with Changes in Flavonol Accumulation, Root Hair Elongation and Lateral Root Density. Plant and Cell Physiology, 2022, 63, 104-119.	3.1	5
6	Bending to auxin: fast acid growth for tropisms. Trends in Plant Science, 2022, 27, 440-449.	8.8	34
7	Auxin analog-induced Ca2+ signaling is independent of inhibition of endosomal aggregation in Arabidopsis roots. Journal of Experimental Botany, 2022, , .	4.8	4
8	Auxin canalization: From speculative models towardÂmolecular players. Current Opinion in Plant Biology, 2022, 65, 102174.	7.1	20
9	Proteomic characterization of isolated Arabidopsis clathrin-coated vesicles reveals evolutionarily conserved and plant-specific components. Plant Cell, 2022, 34, 2150-2173.	6.6	31
10	Proteome-wide cellular thermal shift assay revealsÂunexpected cross-talk between brassinosteroid and auxin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118220119.	7.1	15
11	The Hydrophilic Loop of Arabidopsis PIN1 Auxin Efflux Carrier Harbors Hallmarks of an Intrinsically Disordered Protein. International Journal of Molecular Sciences, 2022, 23, 6352.	4.1	3
12	Auxin-Regulated Reversible Inhibition of TMK1 Signaling by MAKR2 Modulates the Dynamics of Root Gravitropism. Current Biology, 2021, 31, 228-237.e10.	3.9	39
13	Developmental roles of Auxin Binding Protein 1 in Arabidopsis thaliana. Plant Science, 2021, 303, 110750.	3.6	26
14	Pho-view of Auxin: Reversible Protein Phosphorylation in Auxin Biosynthesis, Transport and Signaling. Molecular Plant, 2021, 14, 151-165.	8.3	56
15	Cellular requirements for PIN polar cargo clustering in Arabidopsis thaliana. New Phytologist, 2021, 229, 351-369.	7.3	22
16	Salicylic acid regulates PIN2 auxin transporter hyperclustering and root gravitropic growth via Remorinâ€dependent lipid nanodomain organisation in Arabidopsis thaliana. New Phytologist, 2021, 229, 963-978.	7.3	40
17	Systematic analysis of specific and nonspecific auxin effects on endocytosis and trafficking. Plant Physiology, 2021, 186, 1122-1142.	4.8	33
18	<scp>INDITTO2</scp> transposon conveys auxinâ€mediated <scp>DRO1</scp> transcription for rice drought avoidance. Plant, Cell and Environment, 2021, 44, 1846-1857.	5.7	18

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19	Cell kinetics of auxin transport and activity in Arabidopsis root growth and skewing. Nature Communications, 2021, 12, 1657.	12.8	30
20	Seedling developmental defects upon blocking CINNAMATEâ€4â€HYDROXYLASE are caused by perturbations in auxin transport. New Phytologist, 2021, 230, 2275-2291.	7.3	27
21	mRNA surveillance complex PELOTAâ€“HBS1 regulates phosphoinositide-dependent protein kinase1 and plant growth. Plant Physiology, 2021, 186, 2003-2020.	4.8	7
22	Synaptotagmins at the endoplasmic reticulumâ€“plasma membrane contact sites maintain diacylglycerol homeostasis during abiotic stress. Plant Cell, 2021, 33, 2431-2453.	6.6	41
23	AGC kinases and MAB4/MEL proteins maintain PIN polarity by limiting lateral diffusion in plant cells. Current Biology, 2021, 31, 1918-1930.e5.	3.9	28
24	The Arabidopsis Root Tip (Phospho)Proteomes at Growth-Promoting versus Growth-Repressing Conditions Reveal Novel Root Growth Regulators. Cells, 2021, 10, 1665.	4.1	8
25	GmPIN-dependent polar auxin transport is involved in soybean nodule development. Plant Cell, 2021, 33, 2981-3003.	6.6	26
26	PINâ€mediated polar auxin transport regulations in plant tropic responses. New Phytologist, 2021, 232, 510-522.	7.3	43
27	Modulation of plant root growth by nitrogen sourceâ€defined regulation of polar auxin transport. EMBO Journal, 2021, 40, e106862.	7.8	60
28	Naphthylphthalamic acid associates with and inhibits PIN auxin transporters. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	79
29	Cell surface and intracellular auxin signalling for H+ fluxes in root growth. Nature, 2021, 599, 273-277.	27.8	128
30	The TPLATE complex mediates membrane bending during plant clathrinâ€“mediated endocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
31	Auxin guides roots to avoid obstacles during gravitropic growth. New Phytologist, 2020, 225, 1049-1052.	7.3	23
32	Root Growth Adaptation is Mediated by PYLs ABA Receptorâ€PP2A Protein Phosphatase Complex. Advanced Science, 2020, 7, 1901455.	11.2	32
33	Auxin signalling in growth: SchrÃ¶dingerâ€™s cat out of the bag. Current Opinion in Plant Biology, 2020, 53, 43-49.	7.1	81
34	Strigolactones inhibit auxin feedback on PIN-dependent auxin transport canalization. Nature Communications, 2020, 11, 3508.	12.8	51
35	Non-steroidal Anti-inflammatory Drugs Target TWISTED DWARF1-Regulated Actin Dynamics and Auxin Transport-Mediated Plant Development. Cell Reports, 2020, 33, 108463.	6.4	11
36	Receptor kinase module targets PIN-dependent auxin transport during canalization. Science, 2020, 370, 550-557.	12.6	56

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37	Endocytosis of BRASSINOSTEROID INSENSITIVE1 Is Partly Driven by a Canonical Tyr-Based Motif. Plant Cell, 2020, 32, 3598-3612.	6.6	30
38	Cell-surface receptors enable perception of extracellular cytokinins. Nature Communications, 2020, 11, 4284.	12.8	47
39	Functional innovations of PIN auxin transporters mark crucial evolutionary transitions during rise of flowering plants. Science Advances, 2020, 6, .	10.3	24
40	The lipid code-dependent phosphoswitch PDK1â€“D6PK activates PIN-mediated auxin efflux in Arabidopsis. Nature Plants, 2020, 6, 556-569.	9.3	39
41	High Temporal Resolution Reveals Simultaneous Plasma Membrane Recruitment of TPLATE Complex Subunits. Plant Physiology, 2020, 183, 986-997.	4.8	26
42	Wounding-induced changes in cellular pressure and localized auxin signalling spatially coordinate restorative divisions in roots. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15322-15331.	7.1	55
43	Rare earth elements induce cytoskeleton-dependent and PI4P-associated rearrangement of SYT1/SYT5 endoplasmic reticulumâ€“plasma membrane contact site complexes in Arabidopsis. Journal of Experimental Botany, 2020, 71, 3986-3998.	4.8	34
44	Arabidopsis Flippases Cooperate with ARF GTPase Exchange Factors to Regulate the Trafficking and Polarity of PIN Auxin Transporters. Plant Cell, 2020, 32, 1644-1664.	6.6	49
45	Molecular Evolution and Diversification of Proteins Involved in miRNA Maturation Pathway. Plants, 2020, 9, 299.	3.5	10
46	Experimental toolbox for quantitative evaluation of clathrin-mediated endocytosis in the plant model Arabidopsis. Journal of Cell Science, 2020, 133, .	2.0	17
47	Clathrin-mediated trafficking and PIN trafficking are required for auxin canalization and vascular tissue formation in Arabidopsis. Plant Science, 2020, 293, 110414.	3.6	24
48	Salicylic Acid Targets Protein Phosphatase 2A to Attenuate Growth in Plants. Current Biology, 2020, 30, 381-395.e8.	3.9	76
49	Auxin canalization and vascular tissue formation by TIR1/AFBâ€mediated auxin signaling in Arabidopsis. New Phytologist, 2020, 226, 1375-1383.	7.3	33
50	Directional auxin fluxes in plants by intramolecular domainâ€“domain coevolution of PIN auxin transporters. New Phytologist, 2020, 227, 1406-1416.	7.3	20
51	SCF^{TIR1}^{/AFB} Auxin Signaling for Bending Termination during Shoot Gravitropism. Plant Physiology, 2020, 183, 37-40.	4.8	9
52	Direct ETTIN-auxin interaction controls chromatin states in gynoecium development. ELife, 2020, 9, .	6.0	40
53	Evolutionarily unique mechanistic framework of clathrin-mediated endocytosis in plants. ELife, 2020, 9, .	6.0	80
54	Evolution of fast root gravitropism in seed plants. Nature Communications, 2019, 10, 3480.	12.8	68

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55	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
56	Salicylic acid-mediated plasmodesmal closure via Remorin-dependent lipid organization. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21274-21284.	7.1	102
57	PIN-driven auxin transport emerged early in streptophyte evolution. Nature Plants, 2019, 5, 1114-1119.	9.3	44
58	Targeted cell ablation-based insights into wound healing and restorative patterning. Current Opinion in Plant Biology, 2019, 52, 124-130.	7.1	14
59	Root Adaptation to H2O2-Induced Oxidative Stress by ARF-GEF BEN1- and Cytoskeleton-Mediated PIN2 Trafficking. Plant and Cell Physiology, 2019, 60, 255-273.	3.1	34
60	PIN2 Polarity Establishment in Arabidopsis in the Absence of an Intact Cytoskeleton. Biomolecules, 2019, 9, 222.	4.0	17
61	Auxinâ€mediated statolith production for root gravitropism. New Phytologist, 2019, 224, 761-774.	7.3	55
62	A Mobile Auxin Signal Connects Temperature Sensing in Cotyledons with Growth Responses in Hypocotyls. Plant Physiology, 2019, 180, 757-766.	4.8	94
63	Disruption of endocytosis through chemical inhibition of clathrin heavy chain function. Nature Chemical Biology, 2019, 15, 641-649.	8.0	86
64	Re-activation of Stem Cell Pathways for Pattern Restoration in Plant Wound Healing. Cell, 2019, 177, 957-969.e13.	28.9	92
65	Genetic screen for factors mediating <scp>PIN</scp> polarization in gravistimulated Arabidopsis thaliana hypocotyls. Plant Journal, 2019, 98, 1048-1059.	5.7	17
66	TMK1-mediated auxin signalling regulates differential growth of the apical hook. Nature, 2019, 568, 240-243.	27.8	156
67	Pinstatic Acid Promotes Auxin Transport by Inhibiting PIN Internalization. Plant Physiology, 2019, 180, 1152-1165.	4.8	21
68	A SOSEKI-based coordinate system interprets global polarity cues in Arabidopsis. Nature Plants, 2019, 5, 160-166.	9.3	71
69	Nitrate Modulates the Differentiation of Root Distal Stem Cells. Plant Physiology, 2019, 180, 22-25.	4.8	7
70	Defying gravity: a plantâ€™s quest for moisture. Cell Research, 2019, 29, 965-966.	12.0	1
71	Ionic stress enhances ERâ€“PM connectivity via phosphoinositide-associated SYT1 contact site expansion in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1420-1429.	7.1	95
72	A Functional Study of AUXILIN-LIKE1 and 2, Two Putative Clathrin Uncoating Factors in Arabidopsis. Plant Cell, 2018, 30, 700-716.	6.6	75

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73	Gibberellin DELLA signaling targets the retromer complex to redirect protein trafficking to the plasma membrane. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3716-3721.	7.1	72
74	Molecular evolution and diversification of the SMXL gene family. Journal of Experimental Botany, 2018, 69, 2367-2378.	4.8	41
75	Na⁺,K⁺/H⁺ antiporters regulate the pH of endoplasmic reticulum and auxinâ€mediated development. Plant, Cell and Environment, 2018, 41, 850-864.	5.7	19
76	Relative Contribution of PIN-Containing Secretory Vesicles and Plasma Membrane PINs to the Directed Auxin Transport: Theoretical Estimation. International Journal of Molecular Sciences, 2018, 19, 3566.	4.1	11
77	Mechanistic framework for cell-intrinsic re-establishment of PIN2 polarity after cell division. Nature Plants, 2018, 4, 1082-1088.	9.3	52
78	Rapid and reversible root growth inhibition by TIR1 auxin signalling. Nature Plants, 2018, 4, 453-459.	9.3	198
79	The dynamics of root cap sloughing in Arabidopsis is regulated by peptide signalling. Nature Plants, 2018, 4, 596-604.	9.3	62
80	PID/WAG-mediated phosphorylation of the Arabidopsis PIN3 auxin transporter mediates polarity switches during gravitropism. Scientific Reports, 2018, 8, 10279.	3.3	56
81	Maternal auxin supply contributes to early embryo patterning in Arabidopsis. Nature Plants, 2018, 4, 548-553.	9.3	123
82	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. Cell, 2018, 174, 448-464.e24.	28.9	420
83	The Inhibitor Endosidin 4 Targets SEC7 Domain-Type ARF GTPase Exchange Factors and Interferes with Subcellular Trafficking in Eukaryotes. Plant Cell, 2018, 30, 2553-2572.	6.6	16
84	Auxin methylation is required for differential growth in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6864-6869.	7.1	37
85	WRKY23 is a component of the transcriptional network mediating auxin feedback on PIN polarity. PLoS Genetics, 2018, 14, e1007177.	3.5	56
86	Real-time Analysis of Auxin Response, Cell Wall pH and Elongation in Arabidopsis thaliana Hypocotyls. Bio-protocol, 2018, 8, e2685.	0.4	11
87	Flavonol-induced changes in PIN2 polarity and auxin transport in the Arabidopsis thaliana rol1-2 mutant require phosphatase activity. Scientific Reports, 2017, 7, 41906.	3.3	41
88	BEN3/BIG2 ARF GEF is Involved in Brefeldin A-Sensitive Trafficking at the trans-Golgi Network/Early Endosome in Arabidopsis thaliana. Plant and Cell Physiology, 2017, 58, 1801-1811.	3.1	27
89	Light Sheet Fluorescence Microscopy of Plant Roots Growing on the Surface of a Gel. Journal of Visualized Experiments, 2017, , .	0.3	15
90	PATELLINS are regulators of auxin-mediated PIN1 relocation and plant development in Arabidopsis thaliana. Journal of Cell Science, 2017, 131, .	2.0	29

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91	cis-Cinnamic Acid Is a Novel, Natural Auxin Efflux Inhibitor That Promotes Lateral Root Formation. Plant Physiology, 2017, 173, 552-565.	4.8	61
92	Vascular Tissue Development and Regeneration in the Model Plant Arabidopsis. , 2017, , .		1
93	Live tracking of moving samples in confocal microscopy for vertically grown roots. ELife, 2017, 6, .	6.0	123
94	PIN6 auxin transporter at endoplasmic reticulum and plasma membrane mediates auxin homeostasis and organogenesis in Arabidopsis. New Phytologist, 2016, 211, 65-74.	7.3	119
95	Cytokinins influence root gravitropism via differential regulation of auxin transporter expression and localization in Arabidopsis. New Phytologist, 2016, 212, 497-509.	7.3	54
96	Auxin flow-mediated competition between axillary buds to restore apical dominance. Scientific Reports, 2016, 6, 35955.	3.3	44
97	TWISTED DWARF1 Mediates the Action of Auxin Transport Inhibitors on Actin Cytoskeleton Dynamics. Plant Cell, 2016, 28, 930-948.	6.6	88
98	Sorting Motifs Involved in the Trafficking and Localization of the PIN1 Auxin Efflux Carrier. Plant Physiology, 2016, 171, 1965-1982.	4.8	22
99	Mitochondrial uncouplers inhibit clathrin-mediated endocytosis largely through cytoplasmic acidification. Nature Communications, 2016, 7, 11710.	12.8	98
100	A noncanonical auxin-sensing mechanism is required for organ morphogenesis in Arabidopsis. Genes and Development, 2016, 30, 2286-2296.	5.9	122
101	Enquiry into the Topology of Plasma Membrane-Localized PIN Auxin Transport Components. Molecular Plant, 2016, 9, 1504-1519.	8.3	28
102	Danger-associated peptide signaling in Arabidopsis requires clathrin. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11028-11033.	7.1	114
103	A Model of Differential Growth-Guided Apical Hook Formation in Plants. Plant Cell, 2016, 28, 2464-2477.	6.6	53
104	Vascular cambium regeneration and vessel formation in wounded inflorescence stems of Arabidopsis. Scientific Reports, 2016, 6, 33754.	3.3	57
105	Plasma membrane: Negative attraction. Nature Plants, 2016, 2, 16102.	9.3	7
106	Cellular mechanisms for cargo delivery and polarity maintenance at different polar domains in plant cells. Cell Discovery, 2016, 2, 16018.	6.7	54
107	Phosphatidylinositol 4-phosphate 5-kinases 1 and 2 are involved in the regulation of vacuole morphology during Arabidopsis thaliana pollen development. Plant Science, 2016, 250, 10-19.	3.6	28
108	Targeted cell elimination reveals an auxin-guided biphasic mode of lateral root initiation. Genes and Development, 2016, 30, 471-483.	5.9	82

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109	ROTUNDA3 function in plant development by phosphatase 2A-mediated regulation of auxin transporter recycling. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2768-2773.	7.1	37
110	A Forward Genetic Screen for New Regulators of Auxin-mediated Degradation of Auxin Transport Proteins in Arabidopsis thaliana. Journal of Plant Growth Regulation, 2016, 35, 465-476.	5.1	1
111	Termination of Shoot Gravitropic Responses by Auxin Feedback on PIN3 Polarity. Current Biology, 2016, 26, 3026-3032.	3.9	76
112	Strong morphological defects in conditional Arabidopsis abp1 knock-down mutants generated in absence of functional ABP1 protein. F1000Research, 2016, 5, 86.	1.6	22
113	TIR1/AFB-Aux/IAA auxin perception mediates rapid cell wall acidification and growth of Arabidopsis hypocotyls. ELife, 2016, 5, .	6.0	156
114	V-ATPase activity in the TGN/EE is required for exocytosis and recycling in Arabidopsis. Nature Plants, 2015, 1, 15094.	9.3	127
115	A coherent transcriptional feed-forward motif model for mediating auxin-sensitive PIN3 expression during lateral root development. Nature Communications, 2015, 6, 8821.	12.8	70
116	Auxin transporters and binding proteins at a glance. Journal of Cell Science, 2015, 128, 1-7.	2.0	137
117	Intracellular trafficking and PIN-mediated cell polarity during tropic responses in plants. Current Opinion in Plant Biology, 2015, 23, 116-123.	7.1	57
118	The cyclophilin A DIAGEOTROPICA gene affects auxin transport in both root and shoot to control lateral root formation. Development (Cambridge), 2015, 142, 712-21.	2.5	57
119	An early secretory pathway mediated by GNOM-LIKE 1 and GNOM is essential for basal polarity establishment in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E806-15.	7.1	56
120	Plant embryogenesis requires AUX/LAX-mediated auxin influx. Development (Cambridge), 2015, 142, 702-11.	2.5	92
121	PIN-Dependent Auxin Transport: Action, Regulation, and Evolution. Plant Cell, 2015, 27, 20-32.	6.6	643
122	Auxin-binding pocket of ABP1 is crucial for its gain-of-function cellular and developmental roles. Journal of Experimental Botany, 2015, 66, 5055-5065.	4.8	55
123	ABP1: Finally Docking. Molecular Plant, 2015, 8, 356-358.	8.3	12
124	Osmotic Stress Modulates the Balance between Exocytosis and Clathrin-Mediated Endocytosis in Arabidopsis thaliana. Molecular Plant, 2015, 8, 1175-1187.	8.3	95
125	The Arabidopsis Synaptotagmin1 Is Enriched in Endoplasmic Reticulum-Plasma Membrane Contact Sites and Confers Cellular Resistance to Mechanical Stresses. Plant Physiology, 2015, 168, 132-143.	4.8	150
126	Calcium is an organizer of cell polarity in plants. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2168-2172.	4.1	35

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127	Cytokinin response factors regulate PIN-FORMED auxin transporters. Nature Communications, 2015, 6, 8717.	12.8	108
128	Transcriptional regulation of PIN genes by FOUR LIPS and MYB88 during Arabidopsis root gravitropism. Nature Communications, 2015, 6, 8822.	12.8	74
129	Embryo-lethal phenotypes in early abp1 mutants are due to disruption of the neighboring BSM gene. F1000Research, 2015, 4, 1104.	1.6	37
130	SAC phosphoinositide phosphatases at the tonoplast mediate vacuolar function in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2818-2823.	7.1	62
131	Polar delivery in plants; commonalities and differences to animal epithelial cells. Open Biology, 2014, 4, 140017.	3.6	36
132	BEX1/ARF1A1C is Required for BFA-Sensitive Recycling of PIN Auxin Transporters and Auxin-Mediated Development in Arabidopsis. Plant and Cell Physiology, 2014, 55, 737-749.	3.1	52
133	Expression of <scp>TWISTED DWARF</scp>1 lacking its inâ€plane membrane anchor leads to increased cell elongation and hypermorphic growth. Plant Journal, 2014, 77, 108-118.	5.7	19
134	Bimodal regulation of ICR1 levels generates self-organizing auxin distribution. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5471-9.	7.1	20
135	Cytokinin Controls Polarity of PIN1-Dependent Auxin Transport during Lateral Root Organogenesis. Current Biology, 2014, 24, 1031-1037.	3.9	152
136	The TPLATE Adaptor Complex Drives Clathrin-Mediated Endocytosis in Plants. Cell, 2014, 156, 691-704.	28.9	238
137	Cellular events during interfascicular cambium ontogenesis in inflorescence stems of Arabidopsis. Protoplasma, 2014, 251, 1125-1139.	2.1	30
138	Cell Surface ABP1-TMK Auxin-Sensing Complex Activates ROP GTPase Signaling. Science, 2014, 343, 1025-1028.	12.6	276
139	VAN4 Encodes a Putative TRS120 That is Required for Normal Cell Growth and Vein Development in Arabidopsis. Plant and Cell Physiology, 2014, 55, 750-763.	3.1	35
140	Auxin transport and activity regulate stomatal patterning and development. Nature Communications, 2014, 5, 3090.	12.8	118
141	Inhibition of cell expansion by rapid ABP1-mediated auxin effect on microtubules. Nature, 2014, 516, 90-93.	27.8	129
142	Directional Auxin Transport Mechanisms in Early Diverging Land Plants. Current Biology, 2014, 24, 2786-2791.	3.9	113
143	Rho-GTPase-regulated vesicle trafficking in plant cell polarity. Biochemical Society Transactions, 2014, 42, 212-218.	3.4	23
144	An Auxin-Mediated Shift toward Growth Isotropy Promotes Organ Formation at the Shoot Meristem in Arabidopsis. Current Biology, 2014, 24, 2335-2342.	3.9	161

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145	Insights into the Localization and Function of the Membrane Trafficking Regulator GNOM ARF-GEF at the Golgi Apparatus inArabidopsisÂ. Plant Cell, 2014, 26, 3062-3076.	6.6	121
146	Auxin on the Road Navigated by Cellular PIN Polarity. , 2014, , 143-170.		3
147	Bipolar Plasma Membrane Distribution of Phosphoinositides and Their Requirement for Auxin-Mediated Cell Polarity and Patterning inArabidopsisÂ. Plant Cell, 2014, 26, 2114-2128.	6.6	144
148	Plant Biology: Gatekeepers of the Road to Protein Perdition. Current Biology, 2014, 24, R27-R29.	3.9	6
149	Analyzing the In Vivo Status of Exogenously Applied Auxins: A HPLC-Based Method to Characterize the Intracellularly Localized Auxin Transporters. Methods in Molecular Biology, 2014, 1056, 255-264.	0.9	2
150	Defining the selectivity of processes along the auxin response chain: a study using auxin analogues. New Phytologist, 2013, 200, 1034-1048.	7.3	59
151	Single-cell-based system to monitor carrier driven cellular auxin homeostasis. BMC Plant Biology, 2013, 13, 20.	3.6	28
152	Salicylic acid interferes with clathrin-mediated endocytic protein trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7946-7951.	7.1	101
153	The Clathrin Adaptor Complex AP-2 Mediates Endocytosis of BRASSINOSTEROID INSENSITIVE1 inArabidopsisÂ. Plant Cell, 2013, 25, 2986-2997.	6.6	171
154	Adaptor Protein Complex 2â€“Mediated Endocytosis Is Crucial for Male Reproductive Organ Development in Arabidopsis. Plant Cell, 2013, 25, 2970-2985.	6.6	106
155	Tightly controlled WRKY23 expression mediates Arabidopsis embryo development. EMBO Reports, 2013, 14, 1136-1142.	4.5	61
156	Local Auxin Sources Orient the Apical-Basal Axis in Arabidopsis Embryos. Current Biology, 2013, 23, 2506-2512.	3.9	182
157	Asymmetric gibberellin signaling regulates vacuolar trafficking of PIN auxin transporters during root gravitropism. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3627-3632.	7.1	126
158	Modeling Framework for the Establishment of the Apical-Basal Embryonic Axis in Plants. Current Biology, 2013, 23, 2513-2518.	3.9	84
159	Origin and evolution of PIN auxin transporters in the green lineage. Trends in Plant Science, 2013, 18, 5-10.	8.8	109
160	Cell Polarity and Patterning by PIN Trafficking through Early Endosomal Compartments in Arabidopsis thaliana. PLoS Genetics, 2013, 9, e1003540.	3.5	71
161	ECHIDNA-mediated post-Golgi trafficking of auxin carriers for differential cell elongation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16259-16264.	7.1	85
162	Arabidopsis TWISTED DWARF1 Functionally Interacts with Auxin Exporter ABCB1 on the Root Plasma Membrane Â. Plant Cell, 2013, 25, 202-214.	6.6	83

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163	A Major Facilitator Superfamily Transporter Plays a Dual Role in Polar Auxin Transport and Drought Stress Tolerance inArabidopsisÂ. Plant Cell, 2013, 25, 901-926.	6.6	187
164	A map of cell typeâ€specific auxin responses. Molecular Systems Biology, 2013, 9, 688.	7.2	150
165	Sequential induction of auxin efflux and influx carriers regulates lateral root emergence. Molecular Systems Biology, 2013, 9, 699.	7.2	104
166	Retromer Subunits VPS35A and VPS29 Mediate Prevacuolar Compartment (PVC) Function in Arabidopsis. Molecular Plant, 2013, 6, 1849-1862.	8.3	47
167	Calcium: The Missing Link in Auxin Action. Plants, 2013, 2, 650-675.	3.5	86
168	Overexpression of the Auxin Binding PROTEIN1 Modulates PIN-Dependent Auxin Transport in Tobacco Cells. PLoS ONE, 2013, 8, e70050.	2.5	19
169	Role of the Arabidopsis PIN6 Auxin Transporter in Auxin Homeostasis and Auxin-Mediated Development. PLoS ONE, 2013, 8, e70069.	2.5	65
170	Fluorescence Imaging-Based Forward Genetic Screens to Identify Trafficking Regulators in Plants. Frontiers in Plant Science, 2012, 3, 97.	3.6	10
171	A PP6-Type Phosphatase Holoenzyme Directly Regulates PIN Phosphorylation and Auxin Efflux in Arabidopsis. Plant Cell, 2012, 24, 2497-2514.	6.6	84
172	BEX5/RabA1b Regulates trans-Golgi Network-to-Plasma Membrane Protein Trafficking in Arabidopsis. Plant Cell, 2012, 24, 3074-3086.	6.6	102
173	Transcription factor WRKY23 assists auxin distribution patterns during Arabidopsis root development through local control on flavonol biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1554-1559.	7.1	184
174	ROP GTPase-Dependent Actin Microfilaments Promote PIN1 Polarization by Localized Inhibition of Clathrin-Dependent Endocytosis. PLoS Biology, 2012, 10, e1001299.	5.6	186
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