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List of Publications by Year
in descending order

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42 papers	7,144 citations	218677 26 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	6245 citing authors

#	Article	IF	Citations
1	Efflux-dependent auxin gradients establish the apicalâ€“basal axis of Arabidopsis. Nature, 2003, 426, 147-153.	27.8	1,672
2	Ectopic Expression of BABY BOOM Triggers a Conversion from Vegetative to Embryonic Growth. Plant Cell, 2002, 14, 1737-1749.	6.6	827
3	A PINOID-Dependent Binary Switch in Apical-Basal PIN Polar Targeting Directs Auxin Efflux. Science, 2004, 306, 862-865.	12.6	703
4	Antagonistic Regulation of PIN Phosphorylation by PP2A and PINOID Directs Auxin Flux. Cell, 2007, 130, 1044-1056.	28.9	590
5	The PINOID protein kinase regulates organ development inArabidopsisby enhancing polar auxin transport. Development (Cambridge), 2001, 128, 4057-4067.	2.5	408
6	Light-mediated polarization of the PIN3 auxin transporter for the phototropic response in Arabidopsis. Nature Cell Biology, 2011, 13, 447-452.	10.3	295
7	AnArabidopsisMinute-like phenotype caused by a semi-dominant mutation in aRIBOSOMAL PROTEIN S5gene. Development (Cambridge), 2001, 128, 4289-4299.	2.5	267
8	A regulated auxin minimum is required for seed dispersal in Arabidopsis. Nature, 2009, 459, 583-586.	27.8	237
9	Phosphorylation of Conserved PIN Motifs DirectsArabidopsisPIN1 Polarity and Auxin Transport Â. Plant Cell, 2010, 22, 1129-1142.	6.6	237
10	Plasma membrane-bound AGC3 kinases phosphorylate PIN auxin carriers at TPRXS(N/S) motifs to direct apical PIN recycling. Development (Cambridge), 2010, 137, 3245-3255.	2.5	201
11	Auxinâ€induced, SCF^{TIR1}â€mediated polyâ€ubiquitination marks AUX/IAA proteins for degradation. Plant Journal, 2009, 59, 100-109.	5.7	175
12	PIN Auxin Efflux Carrier Polarity Is Regulated by PINOID Kinase-Mediated Recruitment into GNOM-Independent Trafficking inArabidopsisÂ Â. Plant Cell, 2010, 21, 3839-3849.	6.6	165
13	PINOID-Mediated Signaling Involves Calcium-Binding Proteins. Plant Physiology, 2003, 132, 1623-1630.	4.8	161
14	Cytokinin Controls Polarity of PIN1-Dependent Auxin Transport during Lateral Root Organogenesis. Current Biology, 2014, 24, 1031-1037.	3.9	152
15	Maintenance of Embryonic Auxin Distribution for Apical-Basal Patterning by PIN-FORMEDâ€“Dependent Auxin Transport in Arabidopsis. Plant Cell, 2005, 17, 2517-2526.	6.6	135
16	Plant evolution: AGC kinases tell the auxin tale. Trends in Plant Science, 2007, 12, 541-547.	8.8	128
17	<scp>PIN</scp>â€driven polar auxin transport in plant developmental plasticity: a key target for environmental and endogenous signals. New Phytologist, 2014, 203, 362-377.	7.3	107
18	BTB and TAZ domain scaffold proteins perform a crucial function in Arabidopsis development. Plant Journal, 2009, 58, 109-121.	5.7	90

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19	Polar auxin transport: an early invention. Journal of Experimental Botany, 2012, 63, 4213-4218.	4.8	62
20	Phosphorylationâ€dependent Trafficking of Plasma Membrane Proteins in Animal and Plant Cells. Journal of Integrative Plant Biology, 2013, 55, 789-808.	8.5	42
21	Apicalâ€“basal polarity: why plant cells don't standon their heads. Trends in Plant Science, 2006, 11, 12-14.	8.8	37
22	PDK1 regulates auxin transport and Arabidopsis vascular development through AGC1 kinase PAX. Nature Plants, 2020, 6, 544-555.	9.3	37
23	Auxin Homeostasis in Arabidopsis Ovules Is Anther-Dependent at Maturation and Changes Dynamically upon Fertilization. Frontiers in Plant Science, 2017, 8, 1735.	3.6	36
24	Plasticity in Cell Division Patterns and Auxin Transport Dependency during in Vitro Embryogenesis inBrassica napusÂ Â. Plant Cell, 2014, 26, 2568-2581.	6.6	35
25	A suppressor of axillary meristem maturation promotes longevity in flowering plants. Nature Plants, 2020, 6, 368-376.	9.3	32
26	An Arabidopsis AT-hook motif nuclear protein mediates somatic embryogenesis and coinciding genome duplication. Nature Communications, 2021, 12, 2508.	12.8	31
27	The role of auxin transporters and receptors in adventitious rooting of Arabidopsis thaliana pre-etiolated flooded seedlings. Plant Science, 2020, 290, 110294.	3.6	28
28	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
29	An INDEHISCENT-Controlled Auxin Response Specifies the Separation Layer in Early Arabidopsis Fruit. Molecular Plant, 2016, 9, 857-869.	8.3	26
30	Auxin-induced Fruit Set in Capsicum annuum L. Requires Downstream Gibberellin Biosynthesis. Journal of Plant Growth Regulation, 2012, 31, 570-578.	5.1	24
31	Intervessel pit membrane thickness best explains variation in embolism resistance amongst stems of Arabidopsis thaliana accessions. Annals of Botany, 2021, 128, 171-182.	2.9	23
32	Control of cambium initiation and activity in Arabidopsis by the transcriptional regulator AHL15. Current Biology, 2022, 32, 1764-1775.e3.	3.9	21
33	Comparative adventitious root development in pre-etiolated and flooded Arabidopsis hypocotyls exposed to different auxins. Plant Physiology and Biochemistry, 2018, 127, 161-168.	5.8	16
34	Regulation of Early Plant Development by Red and Blue Light: A Comparative Analysis Between Arabidopsis thaliana and Solanum lycopersicum. Frontiers in Plant Science, 2020, 11, 599982.	3.6	16
35	Modelling the dynamics of polar auxin transport in inflorescence stems ofArabidopsis thaliana. Journal of Experimental Botany, 2016, 67, 649-666.	4.8	15
36	Identification of root transcriptional responses to shoot illumination in Arabidopsis thaliana. Plant Molecular Biology, 2019, 101, 487-498.	3.9	14

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37	Auxin Binding Protein 1: A Red Herring After All?. Molecular Plant, 2015, 8, 1131-1134.	8.3	13
38	Effects of Light Intensity on Root Development in a D-Root Growth System. Frontiers in Plant Science, 2021, 12, 778382.	3.6	12
39	Evolutionary and Functional Analysis of a Chara Plasma Membrane H+-ATPase. Frontiers in Plant Science, 2019, 10, 1707.	3.6	10
40	Toward a Molecular Understanding of Plant Hormone Actions. Molecular Plant, 2016, 9, 1-3.	8.3	7
41	<scp>miR156</scp>â€independent repression of the ageing pathway by longevityâ€promoting <scp>AHL</scp> proteins in Arabidopsis. New Phytologist, 2022, 235, 2424-2438.	7.3	7
42	Cell Polarity and Development. Journal of Integrative Plant Biology, 2013, 55, 786-788.	8.5	2