Anthony Bishopp

List of Publications by Year
in descending order

48 papers	4,780 citations	218677 26 h-index	206112 48 g-index
50 all docs	50 docs citations	50 times ranked	5391 citing authors

#	Article	IF	Citations
1	Cytokinin Signaling and Its Inhibitor AHP6 Regulate Cell Fate During Vascular Development. Science, 2006, 311, 94-98.	12.6	530
2	Interaction of Polycomb-group proteins controlling flowering in<i>Arabidopsis</i>. Development (Cambridge), 2004, 131, 5263-5276.	2.5	491
3	The Yin-Yang of Hormones: Cytokinin and Auxin Interactions in Plant Development. Plant Cell, 2015, 27, 44-63.	6.6	441
4	Silencing by plant Polycomb-group genes requires dispersed trimethylation of histone H3 at lysine 27. EMBO Journal, 2006, 25, 4638-4649.	7.8	396
5	A Mutually Inhibitory Interaction between Auxin and Cytokinin Specifies Vascular Pattern in Roots. Current Biology, 2011, 21, 917-926.	3.9	359
6	Cytokinin signalling inhibitory fields provide robustness to phyllotaxis. Nature, 2014, 505, 417-421.	27.8	236
7	Phloem-Transported Cytokinin Regulates Polar Auxin Transport and Maintains Vascular Pattern in the Root Meristem. Current Biology, 2011, 21, 927-932.	3.9	231
8	Mobile PEAR transcription factors integrate positional cues to prime cambial growth. Nature, 2019, 565, 490-494.	27.8	195
9	Root branching toward water involves posttranslational modification of transcription factor ARF7. Science, 2018, 362, 1407-1410.	12.6	179
10	Dioxygenase-encoding <i>AtDAO1</i> gene controls IAA oxidation and homeostasis in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11016-11021.	7.1	162
11	A mechanistic framework for auxin dependent Arabidopsis root hair elongation to low external phosphate. Nature Communications, 2018, 9, 1409.	12.8	146
12	Dynamic regulation of auxin oxidase and conjugating enzymes <i>AtDAO1</i> and <i>GH3</i> modulates auxin homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11022-11027.	7.1	119
13	Lateral root emergence in <i>Arabidopsis</i> is dependent on transcription factor LBD29 regulating auxin influx carrier <i>LAX3</i>. Development (Cambridge), 2016, 143, 3340-9.	2.5	111
14	Sequential induction of auxin efflux and influx carriers regulates lateral root emergence. Molecular Systems Biology, 2013, 9, 699.	7.2	104
15	Sending mixed messages: auxin-cytokinin crosstalk in roots. Current Opinion in Plant Biology, 2011, 14, 10-16.	7.1	103
16	Modelling hormonal response and development. Trends in Plant Science, 2014, 19, 311-319.	8.8	100
17	Integration of hormonal signaling networks and mobile microRNAs is required for vascular patterning in <i>Arabidopsis</i> roots. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 857-862.	7.1	98
18	The hidden half of crop yields. Nature Plants, 2015, 1, 15117.	9.3	89

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19	Signs of change: hormone receptors that regulate plant development. Development (Cambridge), 2006, 133, 1857-1869.	2.5	85
20	AHP6 Inhibits Cytokinin Signaling to Regulate the Orientation of Pericycle Cell Division during Lateral Root Initiation. PLoS ONE, 2013, 8, e56370.	2.5	84
21	A network of transcriptional repressors modulates auxin responses. Nature, 2021, 589, 116-119.	27.8	56
22	Non-cell autonomous and spatiotemporal signalling from a tissue organizer orchestrates root vascular development. Nature Plants, 2021, 7, 1485-1494.	9.3	42
23	Molecular locks and keys: the role of small molecules in phytohormone research. Frontiers in Plant Science, 2014, 5, 709.	3.6	35
24	Theoretical approaches to understanding root vascular patterning: a consensus between recent models. Journal of Experimental Botany, 2017, 68, 5-16.	4.8	35
25	The CEP5 Peptide Promotes Abiotic Stress Tolerance, As Revealed by Quantitative Proteomics, and Attenuates the AUX/IAA Equilibrium in Arabidopsis. Molecular and Cellular Proteomics, 2020, 19, 1248-1262.	3.8	35
26	Auxin export from proximal fruits drives arrest in temporally competent inflorescences. Nature Plants, 2020, 6, 699-707.	9.3	33
27	A Comparison of Growth on Mercuric Chloride for Three Lemnaceae Species Reveals Differences in Growth Dynamics That Effect Their Suitability for Use in Either Monitoring or Remediating Ecosystems Contaminated With Mercury. Frontiers in Chemistry, 2018, 6, 112.	3.6	31
28	Chapter 1 Cytokinin Signaling During Root Development. International Review of Cell and Molecular Biology, 2009, 276, 1-48.	3.2	26
29	The HK5 and HK6 cytokinin receptors mediate diverse developmental pathways in rice. Development (Cambridge), 2020, 147, .	2.5	24
30	Early developmental plasticity of lateral roots in response to asymmetric water availability. Nature Plants, 2020, 6, 73-77.	9.3	23
31	Development of Efficient Protocols for Stable and Transient Gene Transformation for Wolffia Globosa Using Agrobacterium. Frontiers in Chemistry, 2018, 6, 227.	3.6	20
32	Plant Grafting: Making the Right Connections. Current Biology, 2015, 25, R411-R413.	3.9	19
33	Cellular Patterning of Arabidopsis Roots Under Low Phosphate Conditions. Frontiers in Plant Science, 2018, 9, 735.	3.6	19
34	Systems approaches reveal that ABCB and PIN proteins mediate co-dependent auxin efflux. Plant Cell, 2022, 34, 2309-2327.	6.6	19
35	Systems biology approaches to understand the role of auxin in root growth and development. Physiologia Plantarum, 2014, 151, 73-82.	5.2	15
36	North, East, South, West: mapping vascular tissues onto the Arabidopsis root. Current Opinion in Plant Biology, 2018, 41, 16-22.	7.1	15

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37	Plant Development: Early Events in Lateral Root Initiation. Current Biology, 2010, 20, R843-R845.	3.9	13
38	Bisymmetry in the embryonic root is dependent on cotyledon number and position. Plant Signaling and Behavior, 2011, 6, 1837-1840.	2.4	12
39	A core mechanism for specifying root vascular pattern can replicate the anatomical variation seen in diverse plant species. Development (Cambridge), 2019, 146, .	2.5	8
40	Hormone Crosstalk: Directing the Flow. Current Biology, 2014, 24, R366-R368.	3.9	7
41	Function of the pseudo phosphotransfer proteins has diverged between rice and Arabidopsis. Plant Journal, 2021, 106, 159-173.	5.7	7
42	Seeing the wood and the trees. Nature, 2015, 517, 558-559.	27.8	5
43	Plant Development: How Long Is a Root?. Current Biology, 2012, 22, R919-R921.	3.9	4
44	SnapShot: Root Development. Cell, 2013, 155, 1190-1190.e1.	28.9	4
45	Turning lateral roots into nodules. Science, 2019, 366, 953-954.	12.6	4
46	Dual expression and anatomy lines allow simultaneous visualization of gene expression and anatomy. Plant Physiology, 2022, 188, 56-69.	4.8	3
47	The innermost secrets of root development. Science, 2014, 345, 622-623.	12.6	1
48	Phloem research in full flow. Nature Plants, 0, , .	9.3	0