Tom Bennett

List of Publications by Year
in descending order

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44 papers	4,264 citations	249298 26 h-index	312153 41 g-index
57 all docs	57 docs citations	57 times ranked	4392 citing authors

#	Article	IF	Citations
1	KAI2 promotes Arabidopsis root hair elongation at low external phosphate by controlling local accumulation of AUX1 and PIN2. Current Biology, 2022, 32, 228-236.e3.	1.8	29
2	KAI2 regulates seedling development by mediating lightâ€induced remodelling of auxin transport. New Phytologist, 2022, 235, 126-140.	3.5	9
3	Supra-organismal regulation of strigolactone exudation and plant development in response to rhizospheric cues in rice. Current Biology, 2022, 32, 3601-3608.e3.	1.8	12
4	Environmental strigolactone drives early growth responses to neighboring plants and soil volume in pea. Current Biology, 2022, 32, 3593-3600.e3.	1.8	13
5	There and back again: An evolutionary perspective on long-distance coordination of plant growth and development. Seminars in Cell and Developmental Biology, 2021, 109, 55-67.	2.3	32
6	The evolution of hormonal signalling in plant development. Seminars in Cell and Developmental Biology, 2021, 109, 1-2.	2.3	1
7	Friends, neighbours and enemies: an overview of the communal and social biology of plants. Plant, Cell and Environment, 2021, 44, 997-1013.	2.8	46
8	Plantâ€“plant interactions. Plant, Cell and Environment, 2021, 44, 995-996.	2.8	8
9	Integrated dominance mechanisms regulate reproductive architecture inArabidopsis thalianaandBrassica napus. Plant Physiology, 2021, 186, 1985-2002.	2.3	5
10	Asymmetric expansions of FT and TFL1 lineages characterize differential evolution of the EuPEBP family in the major angiosperm lineages. BMC Biology, 2021, 19, 181.	1.7	13
11	Wheat plants sense substrate volume and root density to proactively modulate shoot growth. Plant, Cell and Environment, 2021, 44, 1202-1214.	2.8	14
12	Fellowship of the rings: a saga of strigolactones and other small signals. New Phytologist, 2020, 225, 621-636.	3.5	70
13	Root Development: A Go-Faster Stripe and Spoilers. Developmental Cell, 2020, 53, 372-374.	3.1	2
14	Anthoceros genomes illuminate the origin of land plants and the unique biology of hornworts. Nature Plants, 2020, 6, 259-272.	4.7	225
15	Bloom and bust: understanding the nature and regulation of the end of flowering. Current Opinion in Plant Biology, 2020, 57, 24-30.	3.5	19
16	Auxin export from proximal fruits drives arrest in temporally competent inflorescences. Nature Plants, 2020, 6, 699-707.	4.7	33
17	Two routes to germinate a seed. Nature Plants, 2020, 6, 602-603.	4.7	5
18	A distributive â€˜50% ruleâ€™ determines floral initiation rates in the Brassicaceae. Nature Plants, 2019, 5, 940-943.	4.7	3

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19	SMAX1/SMXL2 regulate root and root hair development downstream of KAI2-mediated signalling in Arabidopsis. PLoS Genetics, 2019, 15, e1008327.	1.5	122
20	Strigolactone synthesis is ancestral in land plants, but canonical strigolactone signalling is a flowering plant innovation. BMC Biology, 2019, 17, 70.	1.7	92
21	Connective auxin transport contributes to strigolactone-mediated shoot branching control independent of the transcription factor BRC1. PLoS Genetics, 2019, 15, e1008023.	1.5	50
22	Strigolactones as Plant Hormones. , 2019, , 47-87.		9
23	When the BRANCHED network bears fruit: how carpic dominance causes fruit dimorphism in Aethionema. Plant Journal, 2018, 94, 352-371.	2.8	20
24	Strigolactone Signaling and Evolution. Annual Review of Plant Biology, 2017, 68, 291-322.	8.6	470
25	BRC1expression regulates bud activation potential, but is not necessary or sufficient for bud growth inhibition in Arabidopsis. Development (Cambridge), 2017, 144, 1661-1673.	1.2	106
26	Evolution of strigolactone receptors by gradual neo-functionalization of KAI2 paralogues. BMC Biology, 2017, 15, 52.	1.7	99
27	Strigolactone regulates shoot development through a core signalling pathway. Biology Open, 2016, 5, 1806-1820.	0.6	153
28	SMAX1-LIKE7 signals from the nucleus to regulate shoot development in Arabidopsis via partially EAR motif-independent mechanisms. Plant Cell, 2016, 28, tpc.00286.2016.	3.1	117
29	Connective Auxin Transport in the Shoot Facilitates Communication between Shoot Apices. PLoS Biology, 2016, 14, e1002446.	2.6	133
30	PIN proteins and the evolution of plant development. Trends in Plant Science, 2015, 20, 498-507.	4.3	63
31	SMAX1-LIKE/D53 Family Members Enable Distinct MAX2-Dependent Responses to Strigolactones and Karrikins in Arabidopsis. Plant Cell, 2015, 27, 3143-3159.	3.1	339
32	Plasma Membrane-Targeted PIN Proteins Drive Shoot Development in a Moss. Current Biology, 2014, 24, 2776-2785.	1.8	133
33	Paralogous Radiations of PIN Proteins with Multiple Origins of Noncanonical PIN Structure. Molecular Biology and Evolution, 2014, 31, 2042-2060.	3.5	111
34	Canalization: what the flux?. Trends in Genetics, 2014, 30, 41-48.	2.9	99
35	Precise control of plant stem cell activity through parallel regulatory inputs. Development (Cambridge), 2014, 141, 4055-4064.	1.2	59
36	The Auxin Question: A Philosophical Overview. , 2014, , 3-19.		14

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37	Strigolactone signalling: standing on the shoulders of DWARFs. Current Opinion in Plant Biology, 2014, 22, 7-13.	3.5	98
38	SOMBRERO, BEARSKIN1, and BEARSKIN2 Regulate Root Cap Maturation inArabidopsisÂ Â. Plant Cell, 2010, 22, 640-654.	3.1	163
39	Root Developmentâ€"Two Meristems for the Price of One?. Current Topics in Developmental Biology, 2010, 91, 67-102.	1.0	134
40	Control of bud activation by an auxin transport switch. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17431-17436.	3.3	319
41	The NAC Domain Transcription Factors FEZ and SOMBRERO Control the Orientation of Cell Division Plane in Arabidopsis Root Stem Cells. Developmental Cell, 2008, 15, 913-922.	3.1	229
42	Something on the Side: Axillary Meristems and Plant Development. Plant Molecular Biology, 2006, 60, 843-854.	2.0	98
43	Response to Prof Tomescu. Plant Molecular Biology, 2006, 62, 483-483.	2.0	0
44	The Arabidopsis MAX Pathway Controls Shoot Branching by Regulating Auxin Transport. Current Biology, 2006, 16, 553-563.	1.8	424