Tom Bennett

List of Publications by Citations

45 papers	2,806 citations	25 h-index	52 g-index
57 ext. papers	3,717 ext. citations	9.6 avg, IF	5.59 L-index

#	Paper	IF	Citations
45	The Arabidopsis MAX pathway controls shoot branching by regulating auxin transport. *Current Biology*, **2006**, 16, 553-63	6.3	356
44	Strigolactone Signaling and Evolution. *Annual Review of Plant Biology*, **2017**, 68, 291-322	30.7	296
43	Control of bud activation by an auxin transport switch. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17431-6	11.5	255
42	SMAX1-LIKE/D53 Family Members Enable Distinct MAX2-Dependent Responses to Strigolactones and Karrikins in Arabidopsis. *Plant Cell*, **2015**, 27, 3143-59	11.6	222
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, 913-22	10.2	172
40	SOMBRERO, BEARSKIN1, and BEARSKIN2 regulate root cap maturation in Arabidopsis. *Plant Cell*, **2010**, 22, 640-54	11.6	124
39	Root development-two meristems for the price of one?. *Current Topics in Developmental Biology*, **2010**, 91, 67-102	5.3	119
38	Connective Auxin Transport in the Shoot Facilitates Communication between Shoot Apices. *PLoS Biology*, **2016**, 14, e1002446	9.7	95
37	Plasma membrane-targeted PIN proteins drive shoot development in a moss. *Current Biology*, **2014**, 24, 2776-85	6.3	92
36	Strigolactone regulates shoot development through a core signalling pathway. *Biology Open*, **2016**, 5, 1806-1820	2.2	84
35	Paralogous radiations of PIN proteins with multiple origins of noncanonical PIN structure. *Molecular Biology and Evolution*, **2014**, 31, 2042-60	8.3	83
34	Something on the side: axillary meristems and plant development. *Plant Molecular Biology*, **2006**, 60, 843-54	4.6	82
33	SMAX1-LIKE7 Signals from the Nucleus to Regulate Shoot Development in Arabidopsis via Partially EAR Motif-Independent Mechanisms. *Plant Cell*, **2016**, 28, 1581-601	11.6	78
32	Canalization: what the flux?. *Trends in Genetics*, **2014**, 30, 41-8	8.5	78
31	Strigolactone signalling: standing on the shoulders of DWARFs. *Current Opinion in Plant Biology*, **2014**, 22, 7-13	9.9	78
30	Anthoceros genomes illuminate the origin of land plants and the unique biology of hornworts. *Nature Plants*, **2020**, 6, 259-272	11.5	77
29	expression regulates bud activation potential but is not necessary or sufficient for bud growth inhibition in. *Development (Cambridge)*, **2017**, 144, 1661-1673	6.6	68

28	SMAX1/SMXL2 regulate root and root hair development downstream of KAI2-mediated signalling in Arabidopsis. *PLoS Genetics*, **2019**, 15, e1008327	6	58
27	Evolution of strigolactone receptors by gradual neo-functionalization of KAI2 paralogues. *BMC Biology*, **2017**, 15, 52	7.3	58
26	PIN proteins and the evolution of plant development. *Trends in Plant Science*, **2015**, 20, 498-507	13.1	44
25	Precise control of plant stem cell activity through parallel regulatory inputs. *Development (Cambridge)*, **2014**, 141, 4055-64	6.6	40
24	A PLETHORA-auxin transcription module controls cell division plane rotation through MAP65 and CLASP. *Cell*, **2012**, 149, 383-96	56.2	40
23	Strigolactone synthesis is ancestral in land plants, but canonical strigolactone signalling is a flowering plant innovation. *BMC Biology*, **2019**, 17, 70	7.3	38
22	Fellowship of the rings: a saga of strigolactones and other small signals. *New Phytologist*, **2020**, 225, 621-636	9.3	34
21	Connective auxin transport contributes to strigolactone-mediated shoot branching control independent of the transcription factor BRC1. *PLoS Genetics*, **2019**, 15, e1008023	6	29
20	Auxin export from proximal fruits drives arrest in temporally competent inflorescences. *Nature Plants*, **2020**, 6, 699-707	11.5	13
19	When the BRANCHED network bears fruit: how carpic dominance causes fruit dimorphism in Aethionema. *Plant Journal*, **2018**, 94, 352-371	6.9	12
18	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	7.5	12
17	The Auxin Question: A Philosophical Overview **2014**, 3-19		10
16	Friends, neighbours and enemies: an overview of the communal and social biology of plants. *Plant, Cell and Environment*, **2021**, 44, 997-1013	8.4	9
15	Bloom and bust: understanding the nature and regulation of the end of flowering. *Current Opinion in Plant Biology*, **2020**, 57, 24-30	9.9	7
14	Forbidden Fruit: Dominance Relationships and the Control of Shoot Architecture **2018**, 217-254		7
13	Strigolactones as Plant Hormones **2019**, 47-87		5
12	A distributive 50% rule determines floral initiation rates in the Brassicaceae. *Nature Plants*, **2019**, 5, 940-943	11.5	3
11	Wheat plants sense substrate volume and root density to proactively modulate shoot growth. *Plant, Cell and Environment*, **2021**, 44, 1202-1214	8.4	3

10	Integrated dominance mechanisms regulate reproductive architecture in Arabidopsis thaliana and Brassica napus. *Plant Physiology*, **2021**, 186, 1985-2002	6.6	3
9	Two routes to germinate a seed. *Nature Plants*, **2020**, 6, 602-603	11.5	2
8	The complex origins of strigolactone signalling in land plants		2
7	Shoot Branching and Plant Architecture **2016**, 1-8		2
6	Asymmetric expansions of FT and TFL1 lineages characterize differential evolution of the EuPEBP family in the major angiosperm lineages. *BMC Biology*, **2021**, 19, 181	7.3	2
5	Root Development: A Go-Faster Stripe and Spoilers. *Developmental Cell*, **2020**, 53, 372-374	10.2	1
4	Reassessing the evolution of strigolactone synthesis and signalling		1
3	Strigolactone regulates shoot development through a core signalling pathway		1
2	KAI2 regulates seedling development by mediating light-induced remodelling of auxin transport		1
1	Response to Prof Tomescu. *Plant Molecular Biology*, **2006**, 62, 483-483	4.6	