

# Tom Bennett

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

4,264  
citations

218677

26  
h-index

276875

41  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3994  
citing authors

#	ARTICLE	IF	CITATIONS
1	KAI2 promotes Arabidopsis root hair elongation at low external phosphate by controlling local accumulation of AUX1 and PIN2. <i>Current Biology</i> , 2022, 32, 228-236.e3.	3.9	29
2	KAI2 regulates seedling development by mediating light-induced remodelling of auxin transport. <i>New Phytologist</i> , 2022, 235, 126-140.	7.3	9
3	Supra-organismal regulation of strigolactone exudation and plant development in response to rhizospheric cues in rice. <i>Current Biology</i> , 2022, 32, 3601-3608.e3.	3.9	12
4	Environmental strigolactone drives early growth responses to neighboring plants and soil volume in pea. <i>Current Biology</i> , 2022, 32, 3593-3600.e3.	3.9	13
5	There and back again: An evolutionary perspective on long-distance coordination of plant growth and development. <i>Seminars in Cell and Developmental Biology</i> , 2021, 109, 55-67.	5.0	32
6	The evolution of hormonal signalling in plant development. <i>Seminars in Cell and Developmental Biology</i> , 2021, 109, 1-2.	5.0	1
7	Friends, neighbours and enemies: an overview of the communal and social biology of plants. <i>Plant, Cell and Environment</i> , 2021, 44, 997-1013.	5.7	46
8	Plant-plant interactions. <i>Plant, Cell and Environment</i> , 2021, 44, 995-996.	5.7	8
9	Integrated dominance mechanisms regulate reproductive architecture in <i>Arabidopsis thaliana</i> and <i>Brassica napus</i> . <i>Plant Physiology</i> , 2021, 186, 1985-2002.	4.8	5
10	Asymmetric expansions of FT and TFL1 lineages characterize differential evolution of the EuPEBP family in the major angiosperm lineages. <i>BMC Biology</i> , 2021, 19, 181.	3.8	13
11	Wheat plants sense substrate volume and root density to proactively modulate shoot growth. <i>Plant, Cell and Environment</i> , 2021, 44, 1202-1214.	5.7	14
12	Fellowship of the rings: a saga of strigolactones and other small signals. <i>New Phytologist</i> , 2020, 225, 621-636.	7.3	70
13	Root Development: A Go-Faster Stripe and Spoilers. <i>Developmental Cell</i> , 2020, 53, 372-374.	7.0	2
14	Anthoceros genomes illuminate the origin of land plants and the unique biology of hornworts. <i>Nature Plants</i> , 2020, 6, 259-272.	9.3	225
15	Bloom and bust: understanding the nature and regulation of the end of flowering. <i>Current Opinion in Plant Biology</i> , 2020, 57, 24-30.	7.1	19
16	Auxin export from proximal fruits drives arrest in temporally competent inflorescences. <i>Nature Plants</i> , 2020, 6, 699-707.	9.3	33
17	Two routes to germinate a seed. <i>Nature Plants</i> , 2020, 6, 602-603.	9.3	5
18	A distributive ~50% rule™ determines floral initiation rates in the Brassicaceae. <i>Nature Plants</i> , 2019, 5, 940-943.	9.3	3

#	ARTICLE	IF	CITATIONS
19	SMAX1/SMXL2 regulate root and root hair development downstream of KAI2-mediated signalling in Arabidopsis. <i>PLoS Genetics</i> , 2019, 15, e1008327.	3.5	122
20	Strigolactone synthesis is ancestral in land plants, but canonical strigolactone signalling is a flowering plant innovation. <i>BMC Biology</i> , 2019, 17, 70.	3.8	92
21	Connective auxin transport contributes to strigolactone-mediated shoot branching control independent of the transcription factor BRC1. <i>PLoS Genetics</i> , 2019, 15, e1008023.	3.5	50
22	Strigolactones as Plant Hormones. , 2019, , 47-87.		9
23	When the BRANCHED network bears fruit: how carpic dominance causes fruit dimorphism in <i>Aethionema</i> . <i>Plant Journal</i> , 2018, 94, 352-371.	5.7	20
24	Strigolactone Signaling and Evolution. <i>Annual Review of Plant Biology</i> , 2017, 68, 291-322.	18.7	470
25	<i>BRC1</i> expression regulates bud activation potential, but is not necessary or sufficient for bud growth inhibition in Arabidopsis. <i>Development (Cambridge)</i> , 2017, 144, 1661-1673.	2.5	106
26	Evolution of strigolactone receptors by gradual neo-functionalization of KAI2 paralogues. <i>BMC Biology</i> , 2017, 15, 52.	3.8	99
27	Strigolactone regulates shoot development through a core signalling pathway. <i>Biology Open</i> , 2016, 5, 1806-1820.	1.2	153
28	SMAX1-LIKE7 signals from the nucleus to regulate shoot development in Arabidopsis via partially EAR motif-independent mechanisms. <i>Plant Cell</i> , 2016, 28, tpc.00286.2016.	6.6	117
29	Connective Auxin Transport in the Shoot Facilitates Communication between Shoot Apices. <i>PLoS Biology</i> , 2016, 14, e1002446.	5.6	133
30	PIN proteins and the evolution of plant development. <i>Trends in Plant Science</i> , 2015, 20, 498-507.	8.8	63
31	SMAX1-LIKE/D53 Family Members Enable Distinct MAX2-Dependent Responses to Strigolactones and Karrikins in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 3143-3159.	6.6	339
32	Plasma Membrane-Targeted PIN Proteins Drive Shoot Development in a Moss. <i>Current Biology</i> , 2014, 24, 2776-2785.	3.9	133
33	Paralogous Radiations of PIN Proteins with Multiple Origins of Noncanonical PIN Structure. <i>Molecular Biology and Evolution</i> , 2014, 31, 2042-2060.	8.9	111
34	Canalization: what the flux?. <i>Trends in Genetics</i> , 2014, 30, 41-48.	6.7	99
35	Precise control of plant stem cell activity through parallel regulatory inputs. <i>Development (Cambridge)</i> , 2014, 141, 4055-4064.	2.5	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. <i>Current Opinion in Plant Biology</i> , 2014, 22, 7-13.	7.1	98
38	SOMBRERO, BEARSKIN1, and BEARSKIN2 Regulate Root Cap Maturation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 640-654.	6.6	163
39	Root Development—Two Meristems for the Price of One?. <i>Current Topics in Developmental Biology</i> , 2010, 91, 67-102.	2.2	134
40	Control of bud activation by an auxin transport switch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17431-17436.	7.1	319
41	The NAC Domain Transcription Factors FEZ and SOMBRERO Control the Orientation of Cell Division Plane in <i>Arabidopsis</i> Root Stem Cells. <i>Developmental Cell</i> , 2008, 15, 913-922.	7.0	229
42	Something on the Side: Axillary Meristems and Plant Development. <i>Plant Molecular Biology</i> , 2006, 60, 843-854.	3.9	98
43	Response to Prof Tomescu. <i>Plant Molecular Biology</i> , 2006, 62, 483-483.	3.9	0
44	The <i>Arabidopsis</i> MAX Pathway Controls Shoot Branching by Regulating Auxin Transport. <i>Current Biology</i> , 2006, 16, 553-563.	3.9	424