Stephen M Swain

List of Publications by Year
in descending order

41 papers	3,688 citations	172207 29 h-index	276539 41 g-index
43 all docs	43 docs citations	43 times ranked	4312 citing authors

#	Article	IF	Citations
1	ARABIDOPSIS DEHISCENCE ZONE POLYGALACTURONASE1 (ADPG1), ADPG2, and QUARTET2 Are Polygalacturonases Required for Cell Separation during Reproductive Development in<i>Arabidopsis</i>Â. Plant Cell, 2009, 21, 216-233.	3.1	351
2	Innovation can accelerate the transition towards a sustainable food system. Nature Food, 2020, 1, 266-272.	6.2	285
3	Gibberellins Are Required for Seed Development and Pollen Tube Growth in Arabidopsis. Plant Cell, 2002, 14, 3133-3147.	3.1	225
4	<i>TEOSINTE BRANCHED1</i> Regulates Inflorescence Architecture and Development in Bread Wheat (<i>Triticum aestivum</i>). Plant Cell, 2018, 30, 563-581.	3.1	215
5	Potential Sites of Bioactive Gibberellin Production during Reproductive Growth in <i>Arabidopsis</i> Â. Plant Cell, 2008, 20, 320-336.	3.1	209
6	Ppd-1 is a key regulator of inflorescence architecture and paired spikelet development in wheat. Nature Plants, 2015, 1, 14016.	4.7	186
7	Tall tales from sly dwarves: novel functions of gibberellins in plant development. Trends in Plant Science, 2005, 10, 123-129.	4.3	157
8	Functional Analysis of SPINDLY in Gibberellin Signaling in Arabidopsis. Plant Physiology, 2007, 143, 987-1000.	2.3	146
9	Inhibition of Tiller Bud Outgrowth in the<i>tin</i>Mutant of Wheat Is Associated with Precocious Internode Development. Plant Physiology, 2012, 160, 308-318.	2.3	145
10	Gibberellins are required for embryo growth and seed development in pea. Plant Journal, 1997, 12, 1329-1338.	2.8	122
11	<i>EARLY FLOWERING3</i> Regulates Flowering in Spring Barley by Mediating Gibberellin Production and <i>FLOWERING LOCUS T</i> Expression Â. Plant Cell, 2014, 26, 1557-1569.	3.1	121
12	Identification of a Negative Regulator of Gibberellin Action, HvSPY, in Barley. Plant Cell, 1998, 10, 995-1007.	3.1	106
13	The LS locus of pea encodes the gibberellin biosynthesis enzyme ent-kaurene synthase A. Plant Journal, 1997, 11, 443-454.	2.8	104
14	Altered Expression of SPINDLY Affects Gibberellin Response and Plant Development. Plant Physiology, 2001, 126, 1174-1185.	2.3	103
15	Grain dormancy and light quality effects on germination in the model grass <i>Brachypodium distachyon</i>. New Phytologist, 2012, 193, 376-386.	3.5	100
16	Genetic regulation of gibberellin deactivation in Pisum. Plant Journal, 1995, 7, 513-523.	2.8	92
17	<i>SPATULA</i> and <i>ALCATRAZ,</i> are partially redundant, functionally diverging bHLH genes required for Arabidopsis gynoecium and fruit development. Plant Journal, 2011, 68, 816-829.	2.8	92
18	Functional characterization of <i>AP3</i>, <i>SOC1</i> and <i>WUS</i> homologues from citrus (<i>Citrus sinensis</i>). Physiologia Plantarum, 2007, 131, 481-495.	2.6	90

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19	A genetic strategy generating wheat with very high amylose content. Plant Biotechnology Journal, 2015, 13, 1276-1286.	4.1	88
20	Genetics of flower initiation and development in annual and perennial plants. Physiologia Plantarum, 2006, 128, 8-17.	2.6	83
21	SPINDLY Is a Nuclear-Localized Repressor of Gibberellin Signal Transduction Expressed throughout the Plant. Plant Physiology, 2002, 129, 605-615.	2.3	76
22	New alleles of the wheat domestication gene<i>Q</i>reveal multiple roles in growth and reproductive development. Development (Cambridge), 2017, 144, 1959-1965.	1.2	74
23	Modifications of a conserved regulatory network involving <scp>INDEHISCENT</scp> controls multiple aspects of reproductive tissue development in Arabidopsis. New Phytologist, 2013, 197, 73-87.	3.5	56
24	The role of SPY and its TPR domain in the regulation of gibberellin action throughout the life cycle of Petunia hybrida plants. Plant Journal, 2001, 28, 181-190.	2.8	54
25	Internode length in Pisum. Planta, 1992, 188, 462-7.	1.6	49
26	Ectopic Expression of the Tetratricopeptide Repeat Domain of SPINDLY Causes Defects in Gibberellin Response. Plant Physiology, 2001, 126, 1250-1258.	2.3	46
27	Localised and non-localised promotion of fruit development by seeds in Arabidopsis. Functional Plant Biology, 2006, 33, 1.	1.1	40
28	Zebularine treatment is associated with deletion of <i>FT</i>â€‹<i>B1</i> leading to an increase in spikelet number in bread wheat. Plant, Cell and Environment, 2018, 41, 1346-1360.	2.8	36
29	The gar2 and rga Alleles Increase the Growth of Gibberellin-Deficient Pollen Tubes in Arabidopsis. Plant Physiology, 2004, 134, 694-705.	2.3	32
30	Regulation of the early GA biosynthesis pathway in pea. Planta, 2005, 222, 1010-1019.	1.6	31
31	Overexpression of a gibberellin inactivation gene alters seed development, KNOX gene expression, and plant development in Arabidopsis. Physiologia Plantarum, 2010, 138, 74-90.	2.6	29
32	Plants with Increased Expression of ent-Kaurene Oxidase are Resistant to Chemical Inhibitors of this Gibberellin Biosynthesis Enzyme. Plant and Cell Physiology, 2005, 46, 284-291.	1.5	26
33	Preventing unwanted breakups. Plant Signaling and Behavior, 2011, 6, 93-97.	1.2	25
34	Expression of gibberellin mutations in fruits of Pisum sativum L.. Planta, 1998, 204, 397-403.	1.6	22
35	SPYing on GA Signaling and Plant Development. Journal of Plant Growth Regulation, 2003, 22, 163-175.	2.8	20
36	Internode length in Pisum. A new allele at the Lh locus. Physiologia Plantarum, 1992, 86, 124-130.	2.6	17

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37	Functional analysis of HvSPY, a negative regulator of GA response, in barley aleurone cells and Arabidopsis. Planta, 2009, 229, 523-537.	1.6	17
38	Manipulating Gibberellin Control Over Growth and Fertility as a Possible Target for Managing Wild Radish Weed Populations in Cropping Systems. Frontiers in Plant Science, 2020, 11, 190.	1.7	6
39	Preliminary development of a genetic strategy to prevent transgene escape by blocking effective pollen flow from transgenic plants. Functional Plant Biology, 2007, 34, 1055.	1.1	6
40	Incest versus abstinence: reproductive tradeâ€offs between mate limitation and progeny fitness in a selfâ€incompatible invasive plant. Ecology and Evolution, 2013, 3, 5066-5075.	0.8	4
41	Nucleotide mismatches prevent intrinsic self-silencing of hpRNA transgenes to enhance RNAi stability in plants. Nature Communications, 2022, 13, .	5.8	2