Stephen J Powers

List of Publications by Year
in descending order

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30 papers	2,068 citations	361296 20 h-index	454834 30 g-index
30 all docs	30 docs citations	30 times ranked	3442 citing authors

#	Article	IF	Citations
1	Real-Time Quantitative RT-PCR: Design, Calculations, and Statistics. Plant Cell, 2009, 21, 1031-1033.	3.1	394
2	The gibberellin biosynthetic genes AtGA20ox1 and AtGA20ox2 act, partially redundantly, to promote growth and development throughout the Arabidopsis life cycle. Plant Journal, 2008, 53, 488-504.	2.8	333
3	Transcriptome and Metabolite Profiling of the Infection Cycle of Zymoseptoria tritici on Wheat Reveals a Biphasic Interaction with Plant Immunity Involving Differential Pathogen Chromosomal Contributions and a Variation on the Hemibiotrophic Lifestyle Definition Â. Plant Physiology, 2015, 167, 1158-1185.	2.3	301
4	Analysis of the Developmental Roles of the Arabidopsis Gibberellin 20-Oxidases Demonstrates That GA20ox1, -2, and -3 Are the Dominant Paralogs. Plant Cell, 2012, 24, 941-960.	3.1	172
5	Solanum lycopersicum AUXIN RESPONSE FACTOR 9 regulates cell division activity during early tomato fruit development. Journal of Experimental Botany, 2015, 66, 3405-3416.	2.4	112
6	Photorespiration in C4grasses remains slow under drought conditions. Plant, Cell and Environment, 2008, 31, 925-940.	2.8	77
7	Acrylamide-forming potential of potatoes grown at different locations, and the ratio of free asparagine to reducing sugars at which free asparagine becomes a limiting factor for acrylamide formation. Food Chemistry, 2017, 220, 76-86.	4.2	75
8	Distribution of Lipids in the Grain of Wheat (cv. Hereward) Determined by Lipidomic Analysis of Milling and Pearling Fractions. Journal of Agricultural and Food Chemistry, 2015, 63, 10705-10716.	2.4	59
9	Systems Responses to Progressive Water Stress in Durum Wheat. PLoS ONE, 2014, 9, e108431.	1.1	52
10	Acrylamide concentrations in potato crisps in Europe from 2002 to 2011. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 1493-1500.	1.1	51
11	Food safety: Structure and expression of the asparagine synthetase gene family of wheat. Journal of Cereal Science, 2016, 68, 122-131.	1.8	51
12	Odours of Plasmodium falciparum-infected participants influence mosquito-host interactions. Scientific Reports, 2017, 7, 9283.	1.6	42
13	Quantitative proteomics analysis of the Arg/Nâ€end rule pathway of targeted degradation in Arabidopsis roots. Proteomics, 2015, 15, 2447-2457.	1.3	37
14	Mapping sites of gibberellin biosynthesis in the Arabidopsis root tip. New Phytologist, 2021, 229, 1521-1534.	3.5	34
15	Changes in Free Amino Acid Concentration in Rye Grain in Response to Nitrogen and Sulfur Availability, and Expression Analysis of Genes Involved in Asparagine Metabolism. Frontiers in Plant Science, 2016, 7, 917.	1.7	33
16	Effects of Fungicide Treatment on Free Amino Acid Concentration and Acrylamide-Forming Potential in Wheat. Journal of Agricultural and Food Chemistry, 2016, 64, 9689-9696.	2.4	33
17	Dry Matter Losses and Greenhouse Gas Emissions From Outside Storage of Short Rotation Coppice Willow Chip. Bioenergy Research, 2016, 9, 288-302.	2.2	30
18	The natural plant stress elicitor cis-jasmone causes cultivar-dependent reduction in growth of the stink bug, Euschistus heros and associated changes in flavonoid concentrations in soybean, Glycine max. Phytochemistry, 2016, 131, 84-91.	1.4	28

#	Article	IF	Citations
19	The Gsp-1 genes encode the wheat arabinogalactan peptide. Journal of Cereal Science, 2017, 74, 155-164.	1.8	27
20	Analysis of cytochrome b5 reductase-mediated metabolism in the phytopathogenic fungus Zymoseptoria tritici reveals novel functionalities implicated in virulence. Fungal Genetics and Biology, 2015, 82, 69-84.	0.9	21
21	Expression analysis of abscisic acid (ABA) and metabolic signalling factors in developing endosperm and embryo of barley. Journal of Cereal Science, 2013, 58, 255-262.	1.8	20
22	Dry matter losses and quality changes during short rotation coppice willow storage in chip or rod form. Biomass and Bioenergy, 2018, 112, 29-36.	2.9	20
23	The early inflorescence of Arabidopsis thaliana demonstrates positional effects in floral organ growth and meristem patterning. Plant Reproduction, 2018, 31, 171-191.	1.3	16
24	Photosynthesis and growth in diverse willow genotypes. Food and Energy Security, 2014, 3, 69-85.	2.0	12
25	Quantification of brown dog tick repellents, 2-hexanone and benzaldehyde, and release from tick-resistant beagles, Canis lupus familiaris. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1022, 64-69.	1.2	9
26	DIMBOA levels in hexaploid Brazilian wheat are not associated with antibiosis against the cereal aphids Rhopalosiphum padi and Sitobion avenae. Theoretical and Experimental Plant Physiology, 2017, 29, 61-75.	1.1	9
27	Repeated measures: There's added value in modelling over time. Annals of Applied Biology, 2019, 175, 129-135.	1.3	7
28	Characterization of Two Unusual Features of Resistance to Soilborne cereal mosaic virus in Hexaploid Wheat: Leakiness and Gradual Elimination of Viral Coat Protein from Infected Root Tissues. Molecular Plant-Microbe Interactions, 2009, 22, 560-574.	1.4	6
29	Testing the Use of Static Chamber Boxes to Monitor Greenhouse Gas Emissions from Wood Chip Storage Heaps. Bioenergy Research, 2017, 10, 353-362.	2.2	5
30	Regression analysis in the context of designed experiments: Neglect not thy opportunity to test for position and parallelism. Annals of Applied Biology, 2021, 179, 4-11.	1.3	2