Paul J Rushton

List of Publications by Year
in descending order

43 papers	10,260 citations	172457 29 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	10125 citing authors

#	Article	IF	Citations
1	The WRKY superfamily of plant transcription factors. Trends in Plant Science, 2000, 5, 199-206.	8.8	2,462
2	WRKY transcription factors. Trends in Plant Science, 2010, 15, 247-258.	8.8	2,080
3	The <i>Physcomitrella</i> Genome Reveals Evolutionary Insights into the Conquest of Land by Plants. Science, 2008, 319, 64-69.	12.6	1,712
4	WRKY transcription factors: key components in abscisic acid signalling. Plant Biotechnology Journal, 2012, 10, 2-11.	8.3	485
5	Synthetic Plant Promoters Containing Defined Regulatory Elements Provide Novel Insights into Pathogen- and Wound-Induced Signaling. Plant Cell, 2002, 14, 749-762.	6.6	375
6	Transcriptional control of plant genes responsive to pathogens. Current Opinion in Plant Biology, 1998, 1, 311-315.	7.1	358
7	Members of a new family of DNA-binding proteins bind to a conserved cis-element in the promoters of ?-Amy2 genes. Plant Molecular Biology, 1995, 29, 691-702.	3.9	248
8	Tobacco Transcription Factors: Novel Insights into Transcriptional Regulation in the Solanaceae Â Â Â. Plant Physiology, 2008, 147, 280-295.	4.8	237
9	The evolution of WRKY transcription factors. BMC Plant Biology, 2015, 15, 66.	3.6	204
10	Engineering plants with increased disease resistance: how are we going to express it?. Trends in Biotechnology, 2005, 23, 283-290.	9.3	197
11	A systems biology perspective on the role of WRKY transcription factors in drought responses in plants. Planta, 2014, 239, 255-266.	3.2	190
12	Tobacco Transcription Factors NtMYC2a and NtMYC2b Form Nuclear Complexes with the NtJAZ1 Repressor and Regulate Multiple Jasmonate-Inducible Steps in Nicotine Biosynthesis. Molecular Plant, 2012, 5, 73-84.	8.3	181
13	Engineering plants with increased disease resistance: what are we going to express?. Trends in Biotechnology, 2005, 23, 275-282.	9.3	156
14	Metabolomic Profiling of Soybeans (Glycine max L.) Reveals the Importance of Sugar and Nitrogen Metabolism under Drought and Heat Stress. Plants, 2017, 6, 21.	3.5	154
15	Sequencing and analysis of the gene-rich space of cowpea. BMC Genomics, 2008, 9, 103.	2.8	98
16	Leucine zipper-containing WRKY proteins widen the spectrum of immediate early elicitor-induced WRKY transcription factors in parsley. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1576, 92-100.	2.4	96
17	A toolbox of genes, proteins, metabolites and promoters for improving drought tolerance in soybean includes the metabolite coumestrol and stomatal development genes. BMC Genomics, 2016, 17, 102.	2.8	88
18	The WRKY transcription factor family in Brachypodium distachyon. BMC Genomics, 2012, 13, 270.	2.8	85

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19	The Potential of Transcription Factor-Based Genetic Engineering in Improving Crop Tolerance to Drought. OMICS A Journal of Integrative Biology, 2014, 18, 601-614.	2.0	79
20	Tobacco drought stress responses reveal new targets for Solanaceae crop improvement. BMC Genomics, 2015, 16, 484.	2.8	78
21	TOBFAC: the database of tobacco transcription factors. BMC Bioinformatics, 2008, 9, 53.	2.6	76
22	NtERF32: a non-NIC2 locus AP2/ERF transcription factor required in jasmonate-inducible nicotine biosynthesis in tobacco. Plant Molecular Biology, 2014, 84, 49-66.	3.9	75
23	High level transgenic expression of soybean (Glycine max) GmERF and Gmubi gene promoters isolated by a novel promoter analysis pipeline. BMC Plant Biology, 2010, 10, 237.	3.6	67
24	Three WRKY transcription factors additively repress abscisic acid and gibberellin signaling in aleurone cells. Plant Science, 2015, 236, 214-222.	3.6	65
25	The WRKY transcription factor family and senescence in switchgrass. BMC Genomics, 2015, 16, 912.	2.8	62
26	CGKB: an annotation knowledge base for cowpea (Vigna unguiculata L.) methylation filtered genomic genespace sequences. BMC Bioinformatics, 2007, 8, 129.	2.6	54
27	Comparative Metabolome Profile between Tobacco and Soybean Grown under Water-Stressed Conditions. BioMed Research International, 2017, 2017, 1-12.	1.9	53
28	Aleurone nuclear proteins bind to similar elements in the promoter regions of two gibberellin-regulated ?-amylase genes. Plant Molecular Biology, 1992, 19, 891-901.	3.9	39
29	Dehydration-induced WRKY genes from tobacco and soybean respond to jasmonic acid treatments in BY-2 cell culture. Biochemical and Biophysical Research Communications, 2013, 431, 409-414.	2.1	32
30	The Potential of Proteomics Technologies for Crop Improvement under Drought Conditions. Critical Reviews in Plant Sciences, 2011, 30, 471-490.	5.7	29
31	Understanding Water-Stress Responses in Soybean Using Hydroponics Systemâ€"A Systems Biology Perspective. Frontiers in Plant Science, 2015, 6, 1145.	3.6	26
32	DNase1 footprints suggest the involvement of at least three types of transcription factors in the regulation of alpha-Amy2/A by gibberellin. Plant Molecular Biology, 1998, 38, 817-825.	3.9	23
33	What Have We Learned About Synthetic Promoter Construction?. Methods in Molecular Biology, 2016, 1482, 1-13.	0.9	20
34	Transcriptomics analyses of soybean leaf and root samples during water-deficit. Genomics Data, 2015, 5, 164-166.	1.3	15
35	Characterization of 40 soybean (Glycine max) promoters, isolated from across 5 thematic gene groups. Plant Cell, Tissue and Organ Culture, 2016, 127, 145-160.	2.3	14
36	The interactome of soybean GmWRKY53 using yeast 2-hybrid library screening to saturation. Plant Signaling and Behavior, 2015, 10, e1028705.	2.4	11

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37	Proteomic Responses of Switchgrass and Prairie Cordgrass to Senescence. Frontiers in Plant Science, 2016, 7, 293.	3.6	8
38	<i>GmWRKY53</i>, a water- and salt-inducible soybean gene for rapid dissection of regulatory elements in BY-2 cell culture. Plant Signaling and Behavior, 2013, 8, e24097.	2.4	5
39	Structure and Evolution of WRKY Transcription Factors. , 2016, , 163-181.		4
40	Dynamic differential evolution schemes of WRKY transcription factors in domesticated and wild rice. Scientific Reports, 2021, 11, 14887.	3.3	4
41	Extending MapMan Ontology to Tobacco for Visualization of Gene Expression. Dataset Papers in Biology, 2013, 2013, 1-7.	0.5	4
42	Transcriptome profiling of tobacco under water deficit conditions. Genomics Data, 2015, 5, 61-63.	1.3	3
43	Transcript structure and domain display: a customizable transcript visualization tool. Bioinformatics, 2016, 32, 2024-2025.	4.1	3