

Ramesh Raina

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37
papers

2,160
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ext. papers

2,441
ext. citations

6.7
avg, IF

4.34
L-index

#	Paper	IF	Citations
37	Agrobacterium-Mediated Transformation of <i>Fusarium oxysporum</i> : An Efficient Tool for Insertional Mutagenesis and Gene Transfer. <i>Phytopathology</i> , 2001 , 91, 173-80	3.8	485
36	Major signaling pathways modulate Arabidopsis glucosinolate accumulation and response to both phloem-feeding and chewing insects. <i>Plant Physiology</i> , 2005 , 138, 1149-62	6.6	339
35	Characterizing the stress/defense transcriptome of Arabidopsis. <i>Genome Biology</i> , 2003 , 4, R20	18.3	157
34	Light-dependent hypersensitive response and resistance signaling against Turnip Crinkle Virus in Arabidopsis. <i>Plant Journal</i> , 2006 , 45, 320-34	6.9	135
33	The Arabidopsis hrl1 mutation reveals novel overlapping roles for salicylic acid, jasmonic acid and ethylene signalling in cell death and defence against pathogens. <i>Plant Journal</i> , 2002 , 30, 467-80	6.9	131
32	Differential volatile emissions and salicylic acid levels from tobacco plants in response to different strains of <i>Pseudomonas syringae</i> . <i>Planta</i> , 2003 , 217, 767-75	4.7	106
31	Overexpression of CRK13, an Arabidopsis cysteine-rich receptor-like kinase, results in enhanced resistance to <i>Pseudomonas syringae</i> . <i>Plant Journal</i> , 2007 , 50, 488-99	6.9	101
30	Arabidopsis GH3-LIKE DEFENSE GENE 1 is required for accumulation of salicylic acid, activation of defense responses and resistance to <i>Pseudomonas syringae</i> . <i>Plant Journal</i> , 2007 , 51, 234-46	6.9	96
29	Epigenetic regulation of the maize Spm transposable element: novel activation of a methylated promoter by TnpA. <i>Cell</i> , 1994 , 77, 427-37	56.2	78
28	Grassland root communities: species distributions and how they are linked to aboveground abundance. <i>Ecology</i> , 2010 , 91, 3201-9	4.6	59
27	Epigenetic regulation of the maize Spm transposon. <i>BioEssays</i> , 1995 , 17, 291-7	4.1	59
26	Preexisting systemic acquired resistance suppresses hypersensitive response-associated cell death in Arabidopsis hrl1 mutant. <i>Plant Physiology</i> , 2002 , 128, 1234-44	6.6	48
25	The Arabidopsis gain-of-function mutant dll1 spontaneously develops lesions mimicking cell death associated with disease. <i>Plant Journal</i> , 2002 , 30, 61-70	6.9	47
24	Extracellular fibrils of pathogenic yeast <i>Cryptococcus gattii</i> are important for ecological niche, murine virulence and human neutrophil interactions. <i>PLoS ONE</i> , 2010 , 5, e10978	3.7	44
23	JMJ27, an Arabidopsis H3K9 histone demethylase, modulates defense against <i>Pseudomonas syringae</i> and flowering time. <i>Plant Journal</i> , 2017 , 91, 1015-1028	6.9	39
22	Characterization of the gene for the Fe-protein of the vanadium dependent alternative nitrogenase of <i>Azotobacter vinelandii</i> and construction of a Tn5 mutant. <i>Molecular Genetics and Genomics</i> , 1988 , 214, 121-7		39
21	Maize Spm transposable element has an enhancer-insensitive promoter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 6355-9	11.5	32

20	The <i>Azotobacter vinelandii</i> nifL-like gene: nucleotide sequence analysis and regulation of expression. <i>Molecular Genetics and Genomics</i> , 1993 , 237, 400-6		19
19	JMJ14 encoded H3K4 demethylase modulates immune responses by regulating defence gene expression and pipecolic acid levels. <i>New Phytologist</i> , 2020 , 225, 2108-2121	9.8	14
18	Effects of herbivores on nitrogen fixation by grass endophytes, legume symbionts and free-living soil surface bacteria in the Serengeti. <i>Pedobiologia</i> , 2016 , 59, 233-241	1.7	12
17	The Regulates Dark-Induced Senescence and Plays Contrasting Roles in Defense Against Bacterial and Fungal Pathogens. <i>Molecular Plant-Microbe Interactions</i> , 2020 , 33, 754-766	3.6	11
16	Hypersensitive response-like lesions 1 codes for AtPPT1 and regulates accumulation of ROS and defense against bacterial pathogen <i>Pseudomonas syringae</i> in <i>Arabidopsis thaliana</i> . <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 785-96	8.4	10
15	The ORF encoding a putative ferredoxin-like protein downstream of the <i>vnfH</i> gene in <i>Azotobacter vinelandii</i> is involved in the vanadium-dependent alternative pathway of nitrogen fixation. <i>Molecular Genetics and Genomics</i> , 1993 , 236, 459-62		10
14	Isolation and characterization of a locus from <i>Azospirillum brasilense</i> Sp7 that complements the tumorigenic defect of <i>Agrobacterium tumefaciens</i> <i>chvB</i> mutant. <i>Molecular Plant-Microbe Interactions</i> , 1995 , 8, 322-6	3.6	10
13	Transcriptional and metabolic signatures of <i>Arabidopsis</i> responses to chewing damage by an insect herbivore and bacterial infection and the consequences of their interaction. <i>Frontiers in Plant Science</i> , 2014 , 5, 441	6.2	9
12	Negative effect of the 5' untranslated leader sequence on <i>Ac</i> transposon promoter expression. <i>Plant Molecular Biology</i> , 1999 , 40, 935-44	4.6	9
11	A highly sensitive plant hybrid protein assay system based on the <i>Spm</i> promoter and <i>TnpA</i> protein for detection and analysis of transcription activation domains. <i>Plant Molecular Biology</i> , 1996 , 32, 717-25	4.6	9
10	An <i>Arabidopsis</i> DISEASE RELATED NONSPECIFIC LIPID TRANSFER PROTEIN 1 is required for resistance against various phytopathogens and tolerance to salt stress. <i>Gene</i> , 2020 , 753, 144802	3.8	8
9	Loss of Color Pigmentation Is Maintained at High Frequency in a Monkey Flower Population. <i>American Naturalist</i> , 2018 , 191, 135-145	3.7	8
8	Construction of a <i>vnfH::lacZ</i> fusion and study of expression from the <i>vnfH</i> promoter of the vanadium-dependent nitrogen fixation pathway in <i>Azotobacter vinelandii</i> . <i>FEMS Microbiology Letters</i> , 1992 , 98, 169-173	2.9	7
7	Defining the Metabolic Functions and Roles in Virulence of the <i>rpoN1</i> and <i>rpoN2</i> Genes in <i>Ralstonia solanacearum</i> GMI1000. <i>PLoS ONE</i> , 2015 , 10, e0144852	3.7	7
6	Analysis of upstream activation of the <i>vnfH</i> promoter of <i>Azotobacter vinelandii</i> . <i>Canadian Journal of Microbiology</i> , 1998 , 44, 405-415	3.2	6
5	Overexpression of induces salicylic acid-dependent defense against through the regulation of its targets. <i>Plant Direct</i> , 2020 , 4, e00270	3.3	6
4	<i>Arabidopsis</i> Modulates Pathogen Defense and Tolerance to Oxidative Stress. <i>Frontiers in Plant Science</i> , 2020 , 11, 703	6.2	3
3	Characterization of a spontaneous mutant of <i>Azotobacter vinelandii</i> in which vanadium-dependent nitrogen fixation is not inhibited by molybdenum. <i>FEMS Microbiology Letters</i> , 1998 , 162, 161-7	2.9	3

- 2 Epigenetic mechanisms in the regulation of the maize Suppressor-mutator transposon. *Novartis Foundation Symposium*, **1998**, 214, 133-40; discussion 140-3, 163-7 3
- 1 A motif extraction algorithm based on hashing and modulo-4 arithmetic. *International Journal of Computational Biology and Drug Design*, **2008**, 1, 185-99 0.4