

Richard Cooke

List of Publications by Year in descending order

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53
papers

5,497
citations

117625

34
h-index

182427

51
g-index

53
all docs

53
docs citations

53
times ranked

6923
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome analysis of the smallest free-living eukaryote <i>Ostreococcus tauri</i> unveils many unique features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11647-11652.	7.1	809
2	Extensive Duplication and Reshuffling in the <i>Arabidopsis</i> Genome. <i>Plant Cell</i> , 2000, 12, 1093-1101.	6.6	512
3	Genomes of 13 domesticated and wild rice relatives highlight genetic conservation, turnover and innovation across the genus <i>Oryza</i> . <i>Nature Genetics</i> , 2018, 50, 285-296.	21.4	413
4	Identification and Characterization of Shared Duplications between Rice and Wheat Provide New Insight into Grass Genome Evolution. <i>Plant Cell</i> , 2008, 20, 11-24.	6.6	332
5	Reiterated WC/GW motifs form functionally and evolutionarily conserved ARGONAUTE-binding platforms in RNAi-related components. <i>Genes and Development</i> , 2007, 21, 2539-2544.	5.9	280
6	The Organization of Cytoplasmic Ribosomal Protein Genes in the <i>Arabidopsis</i> Genome. <i>Plant Physiology</i> , 2001, 127, 398-415.	4.8	272
7	Inventory, evolution and expression profiling diversity of the LEA (late embryogenesis abundant) protein gene family in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2008, 67, 107-124.	3.9	272
8	An inventory of 1152 expressed sequence tags obtained by partial sequencing of cDNAs from <i>Arabidopsis thaliana</i> +. <i>Plant Journal</i> , 1993, 4, 1051-1061.	5.7	254
9	Further progress towards a catalogue of all <i>Arabidopsis</i> genes: analysis of a set of 5000 non-redundant ESTs. <i>Plant Journal</i> , 1996, 9, 101-124.	5.7	208
10	NERD, a Plant-Specific GW Protein, Defines an Additional RNAi-Dependent Chromatin-Based Pathway in <i>Arabidopsis</i> . <i>Molecular Cell</i> , 2012, 48, 121-132.	9.7	134
11	RNA-directed DNA methylation requires an AGO4-interacting member of the SPT5 elongation factor family. <i>EMBO Reports</i> , 2009, 10, 649-654.	4.5	130
12	Nucleolin Is Required for DNA Methylation State and the Expression of rRNA Gene Variants in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2010, 6, e1001225.	3.5	121
13	An <i>Arabidopsis thaliana</i> cDNA complementing a hamster apoptosis suppressor mutant. <i>Plant Journal</i> , 1997, 11, 1325-1331.	5.7	112
14	Palaeogenomics of plants: synteny-based modelling of extinct ancestors. <i>Trends in Plant Science</i> , 2010, 15, 479-487.	8.8	111
15	Life-Cycle and Genome of OtV5, a Large DNA Virus of the Pelagic Marine Unicellular Green Alga <i>Ostreococcus tauri</i> . <i>PLoS ONE</i> , 2008, 3, e2250.	2.5	107
16	The <i>Arabidopsis</i> Root Transcriptome by Serial Analysis of Gene Expression. <i>Gene Identification Using the Genome Sequence</i> . <i>Plant Physiology</i> , 2004, 134, 67-80.	4.8	90
17	Marine Prasinovirus Genomes Show Low Evolutionary Divergence and Acquisition of Protein Metabolism Genes by Horizontal Gene Transfer. <i>Journal of Virology</i> , 2010, 84, 12555-12563.	3.4	87
18	New insight into the synteny between rice (<i>Oryza sativa</i> L.) and maize (<i>Zea mays</i> L.) highlights reshuffling and identifies new duplications in the rice genome. <i>Plant Journal</i> , 2004, 38, 396-409.	5.7	86

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19	Gene expression profile in response to <i>Xanthomonas axonopodis</i> pv. <i>manihotis</i> infection in cassava using a cDNA microarray. <i>Plant Molecular Biology</i> , 2005, 57, 393-410.	3.9	86
20	Synteny between <i>Arabidopsis thaliana</i> and rice at the genome level: a tool to identify conservation in the ongoing rice genome sequencing project. <i>Nucleic Acids Research</i> , 2002, 30, 2316-2328.	14.5	81
21	Shared Subgenome Dominance Following Polyploidization Explains Grass Genome Evolutionary Plasticity from a Seven Protochromosome Ancestor with 16K Protogenes. <i>Genome Biology and Evolution</i> , 2014, 6, 12-33.	2.5	75
22	Evidence for ARGONAUTE4-DNA interactions in RNA-directed DNA methylation in plants. <i>Genes and Development</i> , 2016, 30, 2565-2570.	5.9	75
23	Rice genomics: Present and future. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 323-334.	5.8	69
24	Sequence heterogeneity in radish nuclear ribosomal RNA genes. <i>Plant Science Letters</i> , 1983, 30, 107-119.	1.8	65
25	An update on nutrient transport processes in ectomycorrhizas. <i>Plant and Soil</i> , 2002, 244, 165-175.	3.7	62
26	A unigene catalogue of 5700 expressed genes in cassava. <i>Plant Molecular Biology</i> , 2004, 56, 541-554.	3.9	53
27	Genome-wide computational identification of WG/GW Argonaute-binding proteins in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2010, 38, 4231-4245.	14.5	47
28	The <i>Arabidopsis thaliana</i> cDNA sequencing projects 1. <i>FEBS Letters</i> , 1997, 403, 221-224.	2.8	42
29	DNA LIBRARIES FOR SEQUENCING THE GENOME OF <i>OSTREOCOCCLUS TAURI</i> (CHLOROPHYTA). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> 1150-1156.	2.3	42
30	A recent duplication revisited: phylogenetic analysis reveals an ancestral duplication highly-conserved throughout the <i>Oryza</i> genus and beyond. <i>BMC Plant Biology</i> , 2009, 9, 146.	3.6	41
31	Large-scale identification of genes in the fungus <i>Hebeloma cylindrosporium</i> paves the way to molecular analyses of ectomycorrhizal symbiosis. <i>New Phytologist</i> , 2004, 164, 505-513.	7.3	40
32	Time course of hormonal control of the first mitosis in tobacco mesophyll protoplasts cultivated in vitro. <i>Planta</i> , 1979, 147, 181-185.	3.2	38
33	An EST resource for cassava and other species of Euphorbiaceae. <i>Plant Molecular Biology</i> , 2004, 56, 527-539.	3.9	38
34	Identification of members of gene families in <i>Arabidopsis thaliana</i> by contig construction from partial cDNA sequences: 106 genes encoding 50 cytoplasmic ribosomal proteins. <i>Plant Journal</i> , 1997, 11, 1127-1140.	5.7	35
35	Diversity of Viruses Infecting the Green Microalga <i>Ostreococcus lucimarinus</i> . <i>Journal of Virology</i> , 2015, 89, 5812-5821.	3.4	35
36	Identification of protein factors and U3-snoRNAs from a <i>Brassica oleracea</i> RNP complex involved in the processing of pre-rRNA. <i>Plant Journal</i> , 2010, 61, 383-398.	5.7	30

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37	In vitro transcription from cauliflower mosaic virus promoters by a cell-free extract from tobacco cells. <i>Plant Molecular Biology</i> , 1990, 14, 391-405.	3.9	29
38	Variations in a team: Major and minor variants of <i>Arabidopsis thaliana</i> rDNA genes. <i>Nucleus</i> , 2011, 2, 294-299.	2.2	29
39	Structure, organization and expression of two closely related novel Lea (late-embryogenesis-abundant) genes in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 1999, 40, 153-165.	3.9	23
40	Taking RISCs with Ago hookers. <i>Current Opinion in Plant Biology</i> , 2011, 14, 594-600.	7.1	22
41	Restriction analysis of radish nuclear genes coding for rRNA: Evidence for heterogeneity. <i>Biochemical and Biophysical Research Communications</i> , 1979, 91, 540-547.	2.1	20
42	Flanking sequence tags in <i>Arabidopsis thaliana</i> T-DNA insertion lines: a pilot study. <i>Comptes Rendus - Biologies</i> , 2002, 325, 773-780.	0.2	18
43	Analysis of DNA associated with nucleosomes in pea chromatin. <i>Planta</i> , 1980, 148, 346-353.	3.2	17
44	GeneFarm, structural and functional annotation of <i>Arabidopsis</i> gene and protein families by a network of experts. <i>Nucleic Acids Research</i> , 2004, 33, D641-D646.	14.5	16
45	Ribosomal RNA synthesis in imbibing radish (<i>Raphanus sativus</i>) embryo axes. <i>Planta</i> , 1980, 148, 17-23.	3.2	8
46	Fine sequence analysis of 60 kb around the <i>Arabidopsis thaliana</i> AtEm1 locus on chromosome III. <i>Plant Molecular Biology</i> , 1999, 41, 687-700.	3.9	8
47	The figwort mosaic virus gene VI promoter region contains a sequence highly homologous to the octopine synthase (ocs) enhancer element. <i>Plant Molecular Biology</i> , 1990, 15, 181-182.	3.9	6
48	The <i>Arabidopsis thaliana</i> genome project. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 1997, 320, 589-599.	0.8	6
49	Extensive Duplication and Reshuffling in the <i>Arabidopsis</i> Genome. <i>Plant Cell</i> , 2000, 12, 1093.	6.6	4
50	From Rice to Other Cereals: Comparative Genomics. , 2007, , 429-479.		3
51	Selective dinucleotide-primed in vitro transcription of a cloned fragment of cauliflower mosaic virus DNA is dependent on a limited region of the viral genome. <i>FEBS Journal</i> , 1986, 157, 83-89.	0.2	2
52	Detection of a potential transcription control sequene on the cauliflower mosaic virus oenome by dinucleotide primed in vitro transcription. <i>Biochemical and Biophysical Research Communications</i> , 1986, 138, 17-23.	2.1	1
53	In Vitro Transcription of Class II Promoters in Higher Plants. , 1995, 49, 271-290.		1