

John Ryals

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,407
citations

257450

24
h-index

501196

28
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31
all docs

31
docs citations

31
times ranked

2982
citing authors

#	ARTICLE	IF	CITATIONS
1	Benzothiadiazole induces disease resistance in Arabidopsis by activation of the systemic acquired resistance signal transduction pathway. <i>Plant Journal</i> , 1996, 10, 71-82.	5.7	717
2	A benzothiadiazole derivative induces systemic acquired resistance in tobacco. <i>Plant Journal</i> , 1996, 10, 61-70.	5.7	628
3	Induction of Systemic Acquired Disease Resistance in Plants by Chemicals. <i>Annual Review of Phytopathology</i> , 1994, 32, 439-459.	7.8	526
4	Functional analysis of regulatory sequences controlling PR-1 gene expression in Arabidopsis. <i>Plant Journal</i> , 1998, 16, 223-233.	5.7	335
5	Structure of a tobacco endochitinase gene: evidence that different chitinase genes can arise by transposition of sequences encoding a cysteine-rich domain. <i>Plant Molecular Biology</i> , 1990, 14, 357-368.	3.9	259
6	Is hydrogen peroxide a second messenger of salicylic acid in systemic acquired resistance?. <i>Plant Journal</i> , 1995, 8, 227-233.	5.7	224
7	The Arabidopsis NIM1 Protein Shows Homology to the Mammalian Transcription Factor Inhibitor I κ B. <i>Plant Cell</i> , 1997, 9, 425.	6.6	202
8	Pathogen stress increases somatic recombination frequency in Arabidopsis. <i>Nature Genetics</i> , 2002, 30, 311-314.	21.4	199
9	NIM1 Overexpression in Arabidopsis Potentiates Plant Disease Resistance and Results in Enhanced Effectiveness of Fungicides. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 1114-1124.	2.6	134
10	Reversible silencing of enhancers by sequences derived from the human IFN- β promoter. <i>Cell</i> , 1987, 50, 1057-1069.	28.9	133
11	Inhibition of protoporphyrinogen oxidase expression in Arabidopsis causes a lesion-mimic phenotype that induces systemic acquired resistance. <i>Plant Journal</i> , 1999, 17, 667-678.	5.7	123
12	Wheat Genes Encoding Two Types of PR-1 Proteins Are Pathogen Inducible, but Do Not Respond to Activators of Systemic Acquired Resistance. <i>Molecular Plant-Microbe Interactions</i> , 1999, 12, 53-58.	2.6	117
13	Acidic and basic class III chitinase mRNA accumulation in response to TMV infection of tobacco. <i>Plant Molecular Biology</i> , 1992, 19, 735-743.	3.9	104
14	Evidence for a third structural class of β -1,3-glucanase in tobacco. <i>Plant Molecular Biology</i> , 1990, 15, 797-808.	3.9	86
15	Salicylic acid as a signal molecule in plant-pathogen interactions. <i>Current Opinion in Cell Biology</i> , 1994, 6, 275-279.	5.4	83
16	The Primary Structure of Plant Pathogenesis-related Glucanohydrolases and Their Genes. <i>Plant Gene Research</i> , 1992, , 245-282.	0.4	81
17	Pathogenesis-related protein 4 is structurally homologous to the carboxy-terminal domains of hevein, Win-1 and Win-2. <i>Molecular Genetics and Genomics</i> , 1991, 230, 113-119.	2.4	65
18	Plant chitinase genes. <i>Plant Molecular Biology Reporter</i> , 1994, 12, S22-S28.	1.8	64

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19	The structure and regulation of homeologous tobacco endochitinase genes of <i>Nicotiana sylvestris</i> and <i>N. tomentosiformis</i> origin. <i>Molecular Genetics and Genomics</i> , 1992, 232, 460-469.	2.4	62
20	Isolation and nucleotide sequence of a novel cDNA clone encoding the major form of pathogenesis-related protein R. <i>Plant Molecular Biology</i> , 1988, 11, 223-224.	3.9	49
21	Isolation of the genomic clone for pathogenesis-related protein 1a from <i>Nicotiana tabacum</i> cv. Xanthi-nc. <i>Plant Molecular Biology</i> , 1988, 11, 89-94.	3.9	48
22	Suppression and Restoration of Lesion Formation in <i>Arabidopsis</i> lsd Mutants. <i>Plant Cell</i> , 1995, 7, 2013.	6.6	41
23	Isolation and sequence of a genomic clone encoding the basic form of pathogenesis-related protein 1 from <i>Nicotiana tabacum</i> . <i>Plant Molecular Biology</i> , 1989, 12, 595-596.	3.9	40
24	Two antiviral proteins, gp35 and gp22, correspond to β -1,3-glucanase and an isoform of PR-5. <i>Plant Molecular Biology</i> , 1991, 17, 171-173.	3.9	26
25	Benzothiadiazole, a Novel Class of Inducers of Systemic Acquired Resistance, Activates Gene Expression and Disease Resistance in Wheat. <i>Plant Cell</i> , 1996, 8, 629.	6.6	24
26	Reduction of risk for growers: methods for the development of disease-resistant crops. <i>New Phytologist</i> , 1996, 133, 3-10.	7.3	17
27	Systemic Acquired Resistance. , 1997, , 81-106.		8
28	The Molecular Biology of Systemic Acquired Resistance. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1994, , 339-347.	0.0	6
29	The Role of Benzoic Acid Derivatives in Systemic Acquired Resistance. , 1996, , 253-263.		4
30	Plant-pathogen interactions. <i>Current Opinion in Biotechnology</i> , 1992, 3, 171-175.	6.6	0