Keith R Davis

List of Publications by Year
in descending order

61 papers	7,615 citations	109137 35 h-index	168136 53 g-index
152 all docs	152 docs citations	152 times ranked	6883 citing authors

#	Article	IF	Citations
1	Growth Stageâ€“Based Phenotypic Analysis of Arabidopsis. Plant Cell, 2001, 13, 1499-1510.	3.1	1,114
2	Growth Stage-Based Phenotypic Analysis of Arabidopsis: A Model for High Throughput Functional Genomics in Plants. Plant Cell, 2001, 13, 1499-1510.	3.1	774
3	Jasmonic Acid Signaling Modulates Ozone-Induced Hypersensitive Cell Death. Plant Cell, 2000, 12, 1633-1646.	3.1	437
4	Ozoneâ€induced cell death occurs via two distinct mechanisms in Arabidopsis : the role of salicylic acid. Plant Journal, 1999, 17, 603-614.	2.8	436
5	Aluminum Induces Oxidative Stress Genes in Arabidopsis thaliana1. Plant Physiology, 1998, 116, 409-418.	2.3	342
6	Ozone-induced responses in Arabidopsis thaliana: the role of salicylic acid in the accumulation of defense-related transcripts and induced resistance.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5099-5104.	3.3	341
7	The Î²-Subunit of the Arabidopsis G Protein Negatively Regulates Auxin-Induced Cell Division and Affects Multiple Developmental Processes[W]. Plant Cell, 2003, 15, 393-409.	3.1	310
8	An Arabidopsis thaliana Lipoxygenase Gene Can Be Induced by Pathogens, Abscisic Acid, and Methyl Jasmonate. Plant Physiology, 1993, 101, 441-450.	2.3	307
9	Compost and Compost Water Extract-Induced Systemic Acquired Resistance in Cucumber and Arabidopsis. Phytopathology, 1998, 88, 450-455.	1.1	242
10	The phenylalanine ammonia-lyase gene family in Arabidopsis thaliana. Plant Molecular Biology, 1995, 27, 327-338.	2.0	235
11	Host-Pathogen Interactions. Plant Physiology, 1984, 74, 52-60.	2.3	212
12	The physiology of ozone induced cell death. Planta, 2001, 213, 682-690.	1.6	202
13	Ozone-induced ethylene production is dependent on salicylic acid, and both salicylic acid and ethylene act in concert to regulate ozone-induced cell death. Plant Journal, 2002, 32, 447-456.	2.8	197
14	Ozone-Induced Expression of Stress-Related Genes in Arabidopsis thaliana. Plant Physiology, 1994, 105, 1089-1096.	2.3	187
15	Arabidopsis Rho-Related GTPases: Differential Gene Expression in Pollen and Polar Localization in Fission Yeast. Plant Physiology, 1998, 118, 407-417.	2.3	182
16	Host-Pathogen Interactions. Plant Physiology, 1986, 80, 568-577.	2.3	170
17	The Effects of Ozone on Antioxidant Responses in Plants. Free Radical Biology and Medicine, 1997, 23, 480-488.	1.3	168
18	Ozone: a tool for probing programmed cell death in plants. Plant Molecular Biology, 2000, 44, 345-358.	2.0	156

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19	The Arabidopsis thaliana 4-coumarate:CoA ligase (4CL) gene: stress and developmentally regulated expression and nucleotide sequence of its cDNA. Plant Molecular Biology, 1995, 28, 871-884.	2.0	135
20	Ozone Sensitivity in Hybrid Poplar Correlates with Insensitivity to Both Salicylic Acid and Jasmonic Acid. The Role of Programmed Cell Death in Lesion Formation. Plant Physiology, 2000, 123, 487-496.	2.3	126
21	Induction of Defense Responses in Cultured Parsley Cells by Plant Cell Wall Fragments. Plant Physiology, 1987, 84, 1286-1290.	2.3	121
22	Ozone Sensitivity in Hybrid Poplar Is Correlated with a Lack of Defense-Gene Activation. Plant Physiology, 1998, 118, 1243-1252.	2.3	88
23	Several biotic and abiotic elicitors act synergistically in the induction of phytoalexin accumulation in soybean. Plant Molecular Biology, 1986, 6, 23-32.	2.0	87
24	Virulence of Selected Phytopathogenic Pseudomonads inArabidopsis thaliana. Molecular Plant-Microbe Interactions, 1991, 4, 477.	1.4	69
25	Characterization of Elicitor-Induced Defense Responses in Suspension-Cultured Cells ofArabidopsis. Molecular Plant-Microbe Interactions, 1989, 2, 363.	1.4	68
26	Oligosaccharins: Naturally Occurring Carbohydrates with Biological Regulatory Functions. , 1983, , 293-312.		67
27	Toxic and teratogenic effects of selected aromatic amines on embryos of the amphibianXenopus laevis. Archives of Environmental Contamination and Toxicology, 1981, 10, 371-391.	2.1	62
28	Beta-caryophyllene enhances wound healing through multiple routes. PLoS ONE, 2019, 14, e0216104.	1.1	60
29	Structure and function of plant cell wall polysaccharides. Journal of Cell Science, 1985, 1985, 203-217.	1.2	56
30	Scalable Purification and Characterization of the Anticancer Lunasin Peptide from Soybean. PLoS ONE, 2012, 7, e35409.	1.1	56
31	C4 protein of Beet severe curly top virus is a pathomorphogenetic factor in Arabidopsis. Plant Cell Reports, 2010, 29, 1377-1389.	2.8	50
32	Isolation of a novel Arabidopsis ozone-induced cDNA by differential display. Plant Molecular Biology, 1995, 29, 91-98.	2.0	47
33	Ascorbic Acid and a Cytostatic Inhibitor of Glycolysis Synergistically Induce Apoptosis in Non-Small Cell Lung Cancer Cells. PLoS ONE, 2013, 8, e67081.	1.1	47
34	The soybean-derived peptide lunasin inhibits non-small cell lung cancer cell proliferation by suppressing phosphorylation of the retinoblastoma protein. Oncotarget, 2015, 6, 4649-4662.	0.8	42
35	Recombinant Protein Expression in Nicotiana. Methods in Molecular Biology, 2011, 701, 199-219.	0.4	41
36	Lunasin is a novel therapeutic agent for targeting melanoma cancer stem cells. Oncotarget, 2016, 7, 84128-84141.	0.8	36

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37	Host-Pathogen Interactions XXX. Characterization of Elicitors of Phytoalexin Accumulation in Soybean Released from Soybean Cell Walls by Endopolygalacturonic Acid Lyase. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1986, 41, 39-48.	0.6	35
38	Modulation of NKG2D, KIR2DL and Cytokine Production by Pleurotus ostreatus Glucan Enhances Natural Killer Cell Cytotoxicity Toward Cancer Cells. Frontiers in Cell and Developmental Biology, 2019, 7, 165.	1.8	30
39	Ascorbic acid alleviates toxicity of paclitaxel without interfering with the anticancer efficacy in mice. Nutrition Research, 2012, 32, 873-883.	1.3	29
40	Recombinant Beet Curly Top Virus Genomes Exhibit Both Parental and Novel Pathogenic Phenotypes. Virology, 1994, 200, 677-685.	1.1	28
41	The soy-derived peptide Lunasin inhibits invasive potential of melanoma initiating cells. Oncotarget, 2017, 8, 25525-25541.	0.8	28
42	Growth Stage-Based Phenotypic Analysis of Arabidopsis: A Model for High Throughput Functional Genomics in Plants. Plant Cell, 2001, 13, 1499.	3.1	24
43	The Arabidopsis thaliana Homeobox Gene ATHB12 Is Involved in Symptom Development Caused by Geminivirus Infection. PLoS ONE, 2011, 6, e20054.	1.1	20
44	Lunasin Sensitivity in Non-Small Cell Lung Cancer Cells Is Linked to Suppression of Integrin Signaling and Changes in Histone Acetylation. International Journal of Molecular Sciences, 2014, 15, 23705-23724.	1.8	20
45	Research NotesLimited Replication of Tomato Golden Mosaic Virus DNA in Explants of Nonhost Species. Molecular Plant-Microbe Interactions, 1992, 5, 525.	1.4	19
46	Altered cell shapes, hyperplasia, and secondary growth in Arabidopsis caused by beet curly top geminivirus infection. Molecules and Cells, 2004, 17, 117-24.	1.0	18
47	Development of the plant-derived peptide lunasin as an anticancer agent. Current Opinion in Pharmacology, 2018, 41, 27-33.	1.7	17
48	Validation of syngeneic mouse models of melanoma and non-small cell lung cancer for investigating the anticancer effects of the soy-derived peptide Lunasin. F1000Research, 2016, 5, 2432.	0.8	13
49	Biochemical characterization and expression of RLK4, a receptor-like kinase from Arabidopsis thaliana. Plant Science, 1999, 142, 83-91.	1.7	12
50	Growth Stage-Based Phenotypic Profiling of Plants. , 2003, 236, 427-442.		10
51	Validation of syngeneic mouse models of melanoma and non-small cell lung cancer for investigating the anticancer effects of the soy-derived peptide Lunasin. F1000Research, 2016, 5, 2432.	0.8	9
52	Studies on the Role of Carbohydrates in Host-Microbe Interactions. , 1986, , 297-309.		7
53	Ozone: a tool for probing programmed cell death in plants. , 2000, , 101-114.		7
54	Jasmonic Acid Signaling Modulates Ozone-Induced Hypersensitive Cell Death. Plant Cell, 2000, 12, 1633.	3.1	5

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55	Arabidopsis Thaliana as a Model System for Studying Plant- Pathogen Interactions. NATO ASI Series Series H, Cell Biology, 1989, , 99-106.	0.5	5
56	Lunasinâ€"a multifunctional anticancer peptide from soybean. International Journal of Cancer Therapy and Oncology, 2016, 4, 4218.	0.2	5
57	Abstract 3850: Production of recombinant lunasin peptides with enhanced anticancer activity using transient expression in tobacco. , 2012, , .		2
58	Arabidopsis thaliana. Sub-Cellular Biochemistry, 1998, , 253-285.	1.0	1
59	A Plant Approach to Systems Biology. , 2003, , 201-204.		0
60	Cytotoxic effects of combinational therapy of ascorbic acid and 3PO on breast and nonâ€"small cell lung cancer cells. FASEB Journal, 2011, 25, 915.17.	0.2	0
61	Oligosaccharins - Complex Carbohydrate Regulatory Molecules. , 1987, , 147-149.		0