James L Dale

List of Publications by Year
in descending order

66 papers	2,585 citations	186265 28 h-index	197818 49 g-index
67 all docs	67 docs citations	67 times ranked	2627 citing authors

#	Article	IF	Citations
1	Transgenic Cavendish bananas with resistance to Fusarium wilt tropical race 4. Nature Communications, 2017, 8, 1496.	12.8	168
2	Banana Bunchy Top: An Economically Important Tropical Plant Virus Disease. Advances in Virus Research, 1987, 33, 301-325.	2.1	142
3	Improving agroinfiltration-based transient gene expression in Nicotiana benthamiana. Plant Methods, 2018, 14, 71.	4.3	139
4	Golden bananas in the field: elevated fruit proâ€vitamin A from the expression of a single banana transgene. Plant Biotechnology Journal, 2017, 15, 520-532.	8.3	138
5	Molecular characterization of begomoviruses and DNA satellites from Vietnam: additional evidence that the New World geminiviruses were present in the Old World prior to continental separation. Journal of General Virology, 2008, 89, 312-326.	2.9	123
6	Gene editing the phytoene desaturase alleles of Cavendish banana using CRISPR/Cas9. Transgenic Research, 2018, 27, 451-460.	2.4	121
7	The extremophile Nicotiana benthamiana has traded viral defence for early vigour. Nature Plants, 2015, 1, 15165.	9.3	114
8	Centrifugation Assisted Agrobacterium tumefaciens-mediated Transformation (CAAT) of embryogenic cell suspensions of banana (Musa spp. Cavendish AAA and Lady finger AAB). Molecular Breeding, 2004, 14, 239-252.	2.1	106
9	On the evolution and molecular epidemiology of the potyvirus Papaya ringspot virus. Journal of General Virology, 2002, 83, 2575-2585.	2.9	100
10	Apoptosisâ€related genes confer resistance to Fusarium wilt in transgenic â€˜Lady Fingerâ€™ bananas. Plant Biotechnology Journal, 2011, 9, 1141-1148.	8.3	88
11	Accumulation of recombinant cellobiohydrolase and endoglucanase in the leaves of mature transgenic sugar cane. Plant Biotechnology Journal, 2011, 9, 884-896.	8.3	84
12	Functional analysis of proteins encoded by banana bunchy top virus DNA-4 to -6. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10	1.8	69
13	Development of salinity tolerance in rice by constitutive-overexpression of genes involved in the regulation of programmed cell death. Frontiers in Plant Science, 2015, 6, 175.	3.6	67
14	Completion of the genome sequence of Lettuce necrotic yellows virus, type species of the genus Cytorhabdovirus. Virus Research, 2006, 118, 16-22.	2.2	62
15	In Plant Activation: An Inducible, Hyperexpression Platform for Recombinant Protein Production in Plants. Plant Cell, 2013, 25, 2429-2443.	6.6	61
16	Taro vein chlorosis virus: characterization and variability of a new nucleorhabdovirus. Journal of General Virology, 2005, 86, 491-499.	2.9	57
17	Corchorus yellow vein virus, a New World geminivirus from the Old World. Journal of General Virology, 2006, 87, 997-1003.	2.9	57
18	Banana bunchy top nanovirus DNA-1 encodes the â€˜masterâ€™ replication initiation protein. Journal of General Virology, 2001, 82, 459-464.	2.9	56

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19	Modifying Bananas: From Transgenics to Organics?. Sustainability, 2017, 9, 333.	3.2	50
20	Isolation and functional characterisation of banana phytoene synthase genes as potential cisgenes. Planta, 2012, 236, 1585-1598.	3.2	47
21	Inhibition of Agrobacterium-Induced Cell Death by Antiapoptotic Gene Expression Leads to Very High Transformation Efficiency of Banana. Molecular Plant-Microbe Interactions, 2007, 20, 1048-1054.	2.6	46
22	Characterization of disease resistance gene candidates of the nucleotide binding site (NBS) type from banana and correlation of a transcriptional polymorphism with resistance to Fusarium oxysporum f.sp. cubense race 4. Molecular Breeding, 2008, 22, 565-579.	2.1	45
23	Effect of pretreatment on saccharification of sugarcane bagasse by complex and simple enzyme mixtures. Bioresource Technology, 2013, 148, 105-113.	9.6	41
24	Genetically engineered immunity to Papaya ringspot virus in Australian papaya cultivars. Molecular Breeding, 2002, 10, 119-129.	2.1	38
25	The Quest for Golden Bananas: Investigating Carotenoid Regulation in a Feâ€™i Group Musa Cultivar. Journal of Agricultural and Food Chemistry, 2016, 64, 3176-3185.	5.2	34
26	Design and construction of an in-plant activation cassette for transgene expression and recombinant protein production in plants. Nature Protocols, 2014, 9, 1010-1027.	12.0	31
27	Towards the development of a nuclear transformation system for Dunaliella tertiolecta. Journal of Applied Phycology, 2005, 17, 363-368.	2.8	29
28	The combination of plant-expressed cellobiohydrolase and low dosages of cellulases for the hydrolysis of sugar cane bagasse. Biotechnology for Biofuels, 2014, 7, 131.	6.2	29
29	Banana21: From Gene Discovery to Deregulated Golden Bananas. Frontiers in Plant Science, 2018, 9, 558.	3.6	29
30	Characterization of badnaviruses infecting Dioscorea spp. in the Pacific reveals two putative novel species and the first report of dioscorea bacilliform RT virus 2. Virus Research, 2017, 238, 29-34.	2.2	28
31	An iterated sequence in the genome of Banana bunchy top virus is essential for efficient replication. Journal of General Virology, 2006, 87, 3409-3412.	2.9	27
32	Physiological basis of salt stress tolerance in rice expressing the antiapoptotic gene SfIAP. Functional Plant Biology, 2014, 41, 1168.	2.1	24
33	Updates in inducible transgene expression using viral vectors: from transient to stable expression. Current Opinion in Biotechnology, 2015, 32, 85-92.	6.6	23
34	Molecular characterization of tomato-infecting begomoviruses in Thailand. Virus Research, 2005, 109, 1-8.	2.2	21
35	PCR amplification of a specific double-stranded RNA region of Fiji disease virus from diseased sugarcane. Journal of Virological Methods, 1992, 39, 237-246.	2.1	18
36	Recombinant Cellulase Accumulation in the Leaves of Mature, Vegetatively Propagated Transgenic Sugarcane. Molecular Biotechnology, 2014, 56, 795-802.	2.4	18

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37	An improved chemically inducible gene switch that functions in the monocotyledonous plant sugar cane. Plant Molecular Biology, 2014, 84, 443-454.	3.9	17
38	Assessment and optimization of rolling circle amplification protocols for the detection and characterization of badnaviruses. Virology, 2019, 529, 73-80.	2.4	17
39	Molecular analysis of Fiji disease Fijivirus genome segments 1 and 3. Virus Genes, 2003, 26, 283-289.	1.6	15
40	Improved molecular tools for sugar cane biotechnology. Plant Molecular Biology, 2014, 84, 497-508.	3.9	15
41	Molecular cloning and in silico analysis of potential Fusarium resistance genes in banana. Molecular Breeding, 2009, 23, 431-443.	2.1	13
42	Molecular characterisation of a putative new polerovirus infecting pumpkin (Cucurbita pepo) in Kenya. Archives of Virology, 2019, 164, 1717-1721.	2.1	13
43	RNAi technology for management of banana bunchy top disease. Food and Energy Security, 2020, 9, e247.	4.3	13
44	Inducible Resistance to Maize Streak Virus. PLoS ONE, 2014, 9, e105932.	2.5	12
45	Characterization and genetic diversity of Dioscorea bacilliform viruses present in a Pacific yam germplasm collection. Plant Pathology, 2020, 69, 576-584.	2.4	12
46	Production of selectable marker gene-free Cavendish banana (Musa spp.) using a steroid-inducible recombinase platform. Transgenic Research, 2020, 29, 81-93.	2.4	11
47	Viruses in Kennedia rubicunda.. Australasian Plant Pathology, 1975, 4, 13.	1.0	10
48	Molecular Analysis of Fiji Disease Virus Segments 2, 4 and 7 Completes the Genome Sequence. Virus Genes, 2006, 32, 43-47.	1.6	10
49	Expression of Potato virus Y cytoplasmic inclusion protein in tobacco results in disorganization of parenchyma cells, distortion of epidermal cells, and induces mitochondrial and chloroplast abnormalities, formation of membrane whorls and atypical lipid accumulation. Micron, 2009, 40, 730-736.	2.2	10
50	Cooking Enhances but the Degree of Ripeness Does Not Affect Provitamin A Carotenoid Bioavailability from Bananas in Mongolian Gerbils4. Journal of Nutrition, 2012, 142, 2097-2104.	2.9	10
51	Glycine Mottle Virus, a Possible Member of the Tombusvirus Group. Intervirology, 1984, 21, 159-166.	2.8	9
52	Characterization of a novel member of the family Caulimoviridae infecting Dioscorea nummularia in the Pacific, which may represent a new genus of dsDNA plant viruses. PLoS ONE, 2018, 13, e0203038.	2.5	9
53	Proâ€vitamin A carotenoids in East African highland banana and other Musa cultivars grown in Uganda. Food Science and Nutrition, 2020, 8, 311-321.	3.4	8
54	Transgenic Expression of dsRNA Targeting the Pentalonia nigronervosa acetylcholinesterase Gene in Banana and Plantain Reduces Aphid Populations. Plants, 2021, 10, 613.	3.5	8

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55	Detection of Fiji disease virus in infected sugarcane by nucleic acid hybridization. Journal of Virological Methods, 1986, 13, 71-77.	2.1	6
56	Characterization of an Australian isolate of taro bacilliform virus and development of an infectious clone. Archives of Virology, 2018, 163, 1677-1681.	2.1	6
57	Possible recombination of tomato-infecting begomoviruses in Thailand. Journal of General Plant Pathology, 2005, 71, 314-318.	1.0	5
58	Iron absorption in raw and cooked bananas: a field study using stable isotopes in women. Food and Nutrition Research, 2015, 59, 25976.	2.6	5
59	Complete genome sequence of a novel zantedeschia mild mosaic virus isolate: the first report from Australia and from Alocasia sp.. Archives of Virology, 2016, 161, 1079-1082.	2.1	5
60	Characterisation of a subgroup IB isolate of Cucumber mosaic virus from Xanthosoma sp. in sub-Saharan Africa. Australasian Plant Pathology, 2019, 48, 457-460.	1.0	5
61	Isolation and characterisation of components of the Dunaliella tertiolecta chloroplast genome. Journal of Applied Phycology, 2005, 17, 495-508.	2.8	3
62	In vitro micro propagation of Nicotiana benthamiana via axillary shoots. South Pacific Journal of Natural and Applied Sciences, 2014, 32, 55.	0.2	3
63	Incidence of <scp>RNA</scp> viruses infecting taro and tannia in East Africa and molecular characterisation of dasheen mosaic virus isolates. Annals of Applied Biology, 2022, 180, 211-223.	2.5	3
64	Production of human vitronectin in Nicotiana benthamiana using the <scp>INPACT</scp> hyperexpression platform. Plant Biotechnology Journal, 2018, 16, 394-403.	8.3	2
65	Localization of Tobacco Yellow Dwarf Virus Replication Using the In Plant Activation (INPACT) Expression Platform. Viruses, 2020, 12, 688.	3.3	0
66	Infectivity of an Infectious Clone of Banana Streak CA Virus in A-Genome Bananas (Musa acuminata) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	0