David M Bisaro

List of Publications by Year
in descending order

56 papers	4,948 citations	101496 36 h-index	149623 56 g-index
58 all docs	58 docs citations	58 times ranked	2270 citing authors

#	Article	IF	Citations
1	Conferring resistance to geminiviruses with the CRISPRâ€“Cas prokaryotic immune system. Nature Plants, 2015, 1, .	4.7	327
2	Viral Genome Methylation as an Epigenetic Defense against Geminiviruses. Journal of Virology, 2008, 82, 8997-9007.	1.5	299
3	Genetic analysis of the tomato golden mosaic virus II. The product of the AL1 coding sequence is required for replication. Nucleic Acids Research, 1988, 16, 7043-7060.	6.5	247
4	Suppression of Methylation-Mediated Transcriptional Gene Silencing by Î²C1-SAHH Protein Interaction during Geminivirus-Betasatellite Infection. PLoS Pathogens, 2011, 7, e1002329.	2.1	227
5	Geminivirus AL2 and L2 Proteins Suppress Transcriptional Gene Silencing and Cause Genome-Wide Reductions in Cytosine Methylation. Journal of Virology, 2009, 83, 5005-5013.	1.5	213
6	Geminivirus AL2 and L2 Proteins Interact with and Inactivate SNF1 Kinase. Plant Cell, 2003, 15, 1034-1048.	3.1	212
7	Silencing suppression by geminivirus proteins. Virology, 2006, 344, 158-168.	1.1	205
8	Adenosine Kinase Inhibition and Suppression of RNA Silencing by Geminivirus AL2 and L2 Proteins. Journal of Virology, 2005, 79, 7410-7418.	1.5	203
9	Tomato golden mosaic virus A component DNA replicates autonomously in transgenic plants. Cell, 1986, 45, 593-600.	13.5	190
10	Adenosine Kinase Is Inactivated by Geminivirus AL2 and L2 Proteins. Plant Cell, 2003, 15, 3020-3032.	3.1	190
11	Genetic analysis of tomato golden mosaic virus: ORF AL2 is required for coat protein accumulation while ORF AL3 is necessary for efficient DNA replication. Virology, 1990, 179, 69-77.	1.1	189
12	Transactivation in a geminivirus: AL2 gene product is needed for coat protein expression. Virology, 1991, 180, 416-419.	1.1	134
13	Genetic analysis of tomato golden mosaic virus: the coat protein is not required for systemic spread or symptom development. EMBO Journal, 1988, 7, 899-904.	3.5	130
14	RNA silencing directed against geminiviruses: Post-transcriptional and epigenetic components. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 337-351.	0.9	121
15	Regulation of a Geminivirus Coat Protein Promoter by AL2 Protein (TrAP): Evidence for Activation and Derepression Mechanisms. Virology, 1997, 232, 269-280.	1.1	113
16	Functional Modulation of the Geminivirus AL2 Transcription Factor and Silencing Suppressor by Self-Interaction. Journal of Virology, 2007, 81, 11972-11981.	1.5	110
17	Arabidopsis Double-Stranded RNA Binding Protein DRB3 Participates in Methylation-Mediated Defense against Geminiviruses. Journal of Virology, 2014, 88, 2611-2622.	1.5	110
18	Tomato Golden Mosaic Virus Leftward Gene Expression: Autoregulation of Geminivirus Replication Protein. Virology, 1993, 195, 275-280.	1.1	107

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19	Agrobacterium-mediated inoculation of plants with tomato golden mosaic virus DNAs. Plant Molecular Biology, 1988, 10, 225-234.	2.0	101
20	Plants Expressing Tomato Golden Mosaic Virus AL2 or Beet Curly Top Virus L2 Transgenes Show Enhanced Susceptibility to Infection by DNA and RNA Viruses. Virology, 2001, 285, 59-70.	1.1	98
21	Identification of loci in Arabidopsis that confer resistance to geminivirus infection. Plant Journal, 1994, 6, 525-535.	2.8	93
22	Genetic Analysis of Beet Curly Top Virus: Examination of the Roles of L2 and L3 Genes in Viral Pathogenesis. Virology, 1995, 206, 1044-1054.	1.1	92
23	The Tomato Golden Mosaic Virus Transactivator (TrAP) is a Single-Stranded DNA and Zinc-Binding Phosphoprotein with an Acidic Activation Domain. Virology, 1999, 263, 1-14.	1.1	82
24	Heterologous Complementation by Geminivirus AL2 and AL3 Genes. Virology, 1994, 203, 203-210.	1.1	81
25	DNA methylation inhibits propagation of tomato golden mosaic virus DNA in transfected protoplasts. Plant Molecular Biology, 1992, 18, 703-712.	2.0	77
26	Identification of a Minimal Sequence Required for Activation of the Tomato Golden Mosaic Virus Coat Protein Promoter in Protoplasts. Virology, 2003, 305, 452-462.	1.1	68
27	Genetic Analysis of Beet Curly Top Virus: Evidence for Three Virion Sense Genes Involved in Movement and Regulation of Single- and Double-Stranded DNA Levels. Virology, 1993, 193, 900-909.	1.1	66
28	Transcription map of the B genome component of tomato golden mosaic virus and comparison with A component transcripts. Virology, 1989, 173, 647-655.	1.1	59
29	Identification of tomato golden mosaic virus-specific RNAs in infected plants. Virology, 1989, 170, 243-250.	1.1	56
30	Arabidopsis RNA Polymerases IV and V Are Required To Establish H3K9 Methylation, but Not Cytosine Methylation, on Geminivirus Chromatin. Journal of Virology, 2016, 90, 7529-7540.	1.5	52
31	Independent encapsidation of tomato golden mosaic virus A component DNA in transgenic plants. Plant Molecular Biology, 1987, 8, 477-484.	2.0	50
32	The Î²C1 Protein of Geminivirusâ€“Betasatellite Complexes: A Target and Repressor of Host Defenses. Molecular Plant, 2018, 11, 1424-1426.	3.9	47
33	Kinetics of tomato golden mosaic virus DNA replication and coat protein promoter activity in nicotiana tabacum protoplasts. Virology, 1992, 187, 1-9.	1.1	44
34	Effects of the Crinivirus Coat Proteinâ€“Interacting Plant Protein SAHH on Post-Transcriptional RNA Silencing and Its Suppression. Molecular Plant-Microbe Interactions, 2013, 26, 1004-1015.	1.4	43
35	Analysis of Geminivirus AL2 and L2 Proteins Reveals a Novel AL2 Silencing Suppressor Activity. Journal of Virology, 2015, 89, 3176-3187.	1.5	40
36	A Complex Containing SNF1-Related Kinase (SnRK1) and Adenosine Kinase in Arabidopsis. PLoS ONE, 2014, 9, e87592.	1.1	38

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37	Arabidopsis RNA Polymerase V Mediates Enhanced Compaction and Silencing of Geminivirus and Transposon Chromatin during Host Recovery from Infection. Journal of Virology, 2018, 92, .	1.5	38
38	Development of a gene silencing DNA vector derived from a broad host range geminivirus. Plant Methods, 2009, 5, 9.	1.9	37
39	Transmission of viral RNA and DNA to maize kernels by vascular puncture inoculation. Journal of Virological Methods, 2001, 98, 135-143.	1.0	32
40	Manipulation of the Plant Host by the Geminivirus AC2/C2 Protein, a Central Player in the Infection Cycle. Frontiers in Plant Science, 2020, 11, 591.	1.7	32
41	Improved expression of recombinant GFP using a replicating vector based on Beet curly top virus in leaf-disks and infiltrated Nicotiana benthamiana leaves. Plant Molecular Biology, 2007, 64, 103-112.	2.0	29
42	Recombinant Beet Curly Top Virus Genomes Exhibit Both Parental and Novel Pathogenic Phenotypes. Virology, 1994, 200, 677-685.	1.1	28
43	A three-dimensional RNA motif mediates directional trafficking of Potato spindle tuber viroid from epidermal to palisade mesophyll cells in Nicotiana benthamiana. PLoS Pathogens, 2019, 15, e1008147.	2.1	28
44	Characterization of the RNA Silencing Suppression Activity of the Ebola Virus VP35 Protein in Plants and Mammalian Cells. Journal of Virology, 2012, 86, 3038-3049.	1.5	27
45	Phosphorylation of Arabidopsis <scp>eIF</scp>4E and <scp>eIF</scp>iso4E by Sn<scp>RK</scp>1 inhibits translation. FEBS Journal, 2019, 286, 3778-3796.	2.2	26
46	Sequence Homology between Chloroplast DNAs from Several Higher Plants. Plant Physiology, 1980, 65, 234-237.	2.3	23
47	Tobacco lines with high copy number of replicating recombinant geminivirus vectors after biolistic DNA delivery. Plant Journal, 1992, 2, 457-463.	2.8	22
48	A new viral RNA species in tobacco rattle virus-infected tissue. Virology, 1980, 107, 194-201.	1.1	20
49	Herpes Simplex Virus Type 1 Suppresses RNA-Induced Gene Silencing in Mammalian Cells. Journal of Virology, 2009, 83, 6652-6663.	1.5	18
50	Functional analysis reveals G/U pairs critical for replication and trafficking of an infectious non-coding viroid RNA. Nucleic Acids Research, 2020, 48, 3134-3155.	6.5	18
51	Arabidopsis Histone Reader EMSY-LIKE 1 Binds H3K36 and Suppresses Geminivirus Infection. Journal of Virology, 2018, 92, .	1.5	17
52	Transfection of heteroduplexes containing uracil ï¿½ guanine or thymine ï¿½ guanine mispairs into plant cells. Plant Molecular Biology, 1992, 20, 123-131.	2.0	13
53	Subgenomic components of tobacco rattle virus in infected tissue. Virology, 1982, 118, 411-418.	1.1	10
54	Biased Pol II fidelity contributes to conservation of functional domains in the Potato spindle tuber viroid genome. PLoS Pathogens, 2020, 16, e1009144.	2.1	10

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55	Expression of recombinant endostatin in Agrobacterium-inoculated leaf disks of Nicotiana tabacum var. Xanthi. Biotechnology Letters, 2004, 26, 1433-1439.	1.1	5
56	Expression of recombinant endostatin in Agrobacterium-inoculated leaf-disks of Nicotiana tabacum var. xanthi. Plant Cell, Tissue and Organ Culture, 2005, 80, 321-327.	1.2	1