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	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
2	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
3	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
4	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
5	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
6	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
7	The Î²C1 Protein of Geminivirusâ€“Betasatellite Complexes: A Target and Repressor of Host Defenses. Molecular Plant, 2018, 11, 1424-1426.	3.9	47
8	Arabidopsis Histone Reader EMSY-LIKE 1 Binds H3K36 and Suppresses Geminivirus Infection. Journal of Virology, 2018, 92, .	1.5	17
9	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
10	Conferring resistance to geminiviruses with the CRISPRâ€“Cas prokaryotic immune system. Nature Plants, 2015, 1, .	4.7	327
11	Analysis of Geminivirus AL2 and L2 Proteins Reveals a Novel AL2 Silencing Suppressor Activity. Journal of Virology, 2015, 89, 3176-3187.	1.5	40
12	A Complex Containing SNF1-Related Kinase (SnRK1) and Adenosine Kinase in Arabidopsis. PLoS ONE, 2014, 9, e87592.	1.1	38
13	Arabidopsis Double-Stranded RNA Binding Protein DRB3 Participates in Methylation-Mediated Defense against Geminiviruses. Journal of Virology, 2014, 88, 2611-2622.	1.5	110
14	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
15	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
16	Suppression of Methylation-Mediated Transcriptional Gene Silencing by Î²C1-SAHH Protein Interaction during Geminivirus-Betasatellite Infection. PLoS Pathogens, 2011, 7, e1002329.	2.1	227
17	RNA silencing directed against geminiviruses: Post-transcriptional and epigenetic components. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 337-351.	0.9	121
18	Herpes Simplex Virus Type 1 Suppresses RNA-Induced Gene Silencing in Mammalian Cells. Journal of Virology, 2009, 83, 6652-6663.	1.5	18

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19	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
20	Development of a gene silencing DNA vector derived from a broad host range geminivirus. Plant Methods, 2009, 5, 9.	1.9	37
21	Viral Genome Methylation as an Epigenetic Defense against Geminiviruses. Journal of Virology, 2008, 82, 8997-9007.	1.5	299
22	Functional Modulation of the Geminivirus AL2 Transcription Factor and Silencing Suppressor by Self-Interaction. Journal of Virology, 2007, 81, 11972-11981.	1.5	110
23	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
24	Silencing suppression by geminivirus proteins. Virology, 2006, 344, 158-168.	1.1	205
25	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
26	Adenosine Kinase Inhibition and Suppression of RNA Silencing by Geminivirus AL2 and L2 Proteins. Journal of Virology, 2005, 79, 7410-7418.	1.5	203
27	Expression of recombinant endostatin in Agrobacterium-inoculated leaf disks of Nicotiana tabacum var. Xanthi. Biotechnology Letters, 2004, 26, 1433-1439.	1.1	5
28	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
29	Geminivirus AL2 and L2 Proteins Interact with and Inactivate SNF1 Kinase. Plant Cell, 2003, 15, 1034-1048.	3.1	212
30	Adenosine Kinase Is Inactivated by Geminivirus AL2 and L2 Proteins. Plant Cell, 2003, 15, 3020-3032.	3.1	190
31	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
32	Transmission of viral RNA and DNA to maize kernels by vascular puncture inoculation. Journal of Virological Methods, 2001, 98, 135-143.	1.0	32
33	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
34	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
35	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
36	Identification of loci in Arabidopsis that confer resistance to geminivirus infection. Plant Journal, 1994, 6, 525-535.	2.8	93

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37	Recombinant Beet Curly Top Virus Genomes Exhibit Both Parental and Novel Pathogenic Phenotypes. Virology, 1994, 200, 677-685.	1.1	28
38	Heterologous Complementation by Geminivirus AL2 and AL3 Genes. Virology, 1994, 203, 203-210.	1.1	81
39	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
40	Tomato Golden Mosaic Virus Leftward Gene Expression: Autoregulation of Geminivirus Replication Protein. Virology, 1993, 195, 275-280.	1.1	107
41	DNA methylation inhibits propagation of tomato golden mosaic virus DNA in transfected protoplasts. Plant Molecular Biology, 1992, 18, 703-712.	2.0	77
42	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
43	Tobacco lines with high copy number of replicating recombinant geminivirus vectors after biolistic DNA delivery. Plant Journal, 1992, 2, 457-463.	2.8	22
44	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
45	Transactivation in a geminivirus: AL2 gene product is needed for coat protein expression. Virology, 1991, 180, 416-419.	1.1	134
46	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
47	Identification of tomato golden mosaic virus-specific RNAs in infected plants. Virology, 1989, 170, 243-250.	1.1	56
48	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
49	Agrobacterium-mediated inoculation of plants with tomato golden mosaic virus DNAs. Plant Molecular Biology, 1988, 10, 225-234.	2.0	101
50	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
51	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
52	Independent encapsidation of tomato golden mosaic virus A component DNA in transgenic plants. Plant Molecular Biology, 1987, 8, 477-484.	2.0	50
53	Tomato golden mosaic virus A component DNA replicates autonomously in transgenic plants. Cell, 1986, 45, 593-600.	13.5	190
54	Subgenomic components of tobacco rattle virus in infected tissue. Virology, 1982, 118, 411-418.	1.1	10

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55	Sequence Homology between Chloroplast DNAs from Several Higher Plants. Plant Physiology, 1980, 65, 234-237.	2.3	23
56	A new viral RNA species in tobacco rattle virus-infected tissue. Virology, 1980, 107, 194-201.	1.1	20