Carmen Hernandez

List of Publications by Year
in descending order

58 papers	2,650 citations	186265 28 h-index	182427 51 g-index
63 all docs	63 docs citations	63 times ranked	1063 citing authors

#	Article	IF	Citations
1	Viroids and Viroid-Host Interactions. Annual Review of Phytopathology, 2005, 43, 117-139.	7.8	395
2	Plus and minus RNAs of peach latent mosaic viroid self-cleave in vitro via hammerhead structures.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3711-3715.	7.1	194
3	Replication of avocado sunblotch viroid: evidence for a symmetric pathway with two rolling circles and hammerhead ribozyme processing.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 12813-12817.	7.1	148
4	Two Chloroplastic Viroids Induce the Accumulation of Small RNAs Associated with Posttranscriptional Gene Silencing. Journal of Virology, 2002, 76, 13094-13096.	3.4	146
5	Avsunviroidae family: Viroids containing hammerhead ribozymes. Advances in Virus Research, 2000, 55, 271-323.	2.1	113
6	Processing of Nuclear Viroids In Vivo: An Interplay between RNA Conformations. PLoS Pathogens, 2007, 3, e182.	4.7	107
7	Genomic Structure of Three Phenotypically Different Isolates of Peach Latent Mosaic Viroid: Implications of the Existence of Constraints Limiting the Heterogeneity of Viroid Quasispecies. Journal of Virology, 1998, 72, 7397-7406.	3.4	95
8	Viroids: The Noncoding Genomes. Seminars in Virology, 1997, 8, 65-73.	3.9	93
9	Peach latent mosaic viroid variants inducing peach calico (extreme chlorosis) contain a characteristic insertion that is responsible for this symptomatology. Virology, 2003, 313, 492-501.	2.4	90
10	Cherry chlorotic rusty spot and Amasya cherry diseases are associated with a complex pattern of mycoviral-like double-stranded RNAs. I. Characterization of a new species in the genus Chrysovirus. Journal of General Virology, 2004, 85, 3389-3397.	2.9	65
11	Rapid generation of genetic heterogeneity in progenies from individual cDNA clones of peach latent mosaic viroid in its natural host. Journal of General Virology, 1999, 80, 2239-2252.	2.9	62
12	Insights into the Selective Pressures Restricting Pelargonium Flower Break Virus Genome Variability: Evidence for Host Adaptation. Journal of Virology, 2006, 80, 8124-8132.	3.4	56
13	Serial passage of tobacco rattle virus under different selection conditions results in deletion of structural and nonstructural genes in RNA 2. Journal of Virology, 1996, 70, 4933-4940.	3.4	53
14	The strands of both polarities of a small circular RNA from carnation self-cleavein vitrothrough alternative double- and single-hammerhead structures. Nucleic Acids Research, 1992, 20, 6323-6329.	14.5	52
15	A Short Double-Stranded RNA Motif of Peach Latent Mosaic Viroid Contains the Initiation and the Self-Cleavage Sites of Both Polarity Strands. Journal of Virology, 2005, 79, 12934-12943.	3.4	52
16	Transmission of tobacco rattle virus isolate PpK20 by its nematode vector requires one of the two non-structural genes in the viral RNA 2.. Journal of General Virology, 1997, 78, 465-467.	2.9	51
17	Population structure and mitochondrial DNA gene flow in Old World populations of Drosophila subobscura. Heredity, 1992, 68, 15-24.	2.6	48
18	Hammerhead Ribozyme Structure and Function in Plant RNA Replication. Methods in Enzymology, 2001, 341, 540-552.	1.0	48

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19	Monomeric Linear RNA of <i>Citrus Exocortis Viroid</i> Resulting from Processing In Vivo Has 5â€²-Phosphomonoester and 3â€²-Hydroxyl Termini: Implications for the RNase and RNA Ligase Involved in Replication. Journal of Virology, 2008, 82, 10321-10325.	3.4	42
20	Key Importance of Small RNA Binding for the Activity of a Glycine-Tryptophan (GW) Motif-containing Viral Suppressor of RNA Silencing. Journal of Biological Chemistry, 2015, 290, 3106-3120.	3.4	40
21	Pear Blister Canker Viroid is a Member of the Apple Scar Skin Subgroup (apscaviroids) and also has Sequence Homology with Viroids from other Subgroups. Journal of General Virology, 1992, 73, 2503-2507.	2.9	39
22	Sequence of RNA 2 of a nematode-transmissible isolate of tobacco rattle virus. Journal of General Virology, 1995, 76, 2847-2851.	2.9	39
23	Pelarspovirus, a proposed new genus in the family Tombusviridae. Archives of Virology, 2015, 160, 2385-2393.	2.1	39
24	Cherry chlorotic rusty spot and Amasya cherry diseases are associated with a complex pattern of mycoviral-like double-stranded RNAs. II. Characterization of a new species in the genus Partitivirus. Journal of General Virology, 2004, 85, 3399-3403.	2.9	37
25	Some properties of the viroid inducing peach latent mosaic disease. Research in Virology, 1990, 141, 109-118.	0.7	36
26	Peach latent mosaic viroid: not so latent. Molecular Plant Pathology, 2006, 7, 209-221.	4.2	36
27	Inhibition of RNA silencing by the coat protein of Pelargonium flower break virus: distinctions from closely related suppressors. Journal of General Virology, 2009, 90, 519-525.	2.9	33
28	Complete nucleotide sequence and genome organization of Pelargonium line pattern virus and its relationship with the family Tombusviridae. Archives of Virology, 2005, 150, 949-965.	2.1	31
29	Insights into the translational regulation of biologically active open reading frames of Pelargonium line pattern virus. Virology, 2009, 386, 417-426.	2.4	31
30	The DNA of a Plant Retroviroid-Like Element Is Fused to Different Sites in the Genome of a Plant Pararetrovirus and Shows Multiple Forms with Sequence Deletions. Journal of Virology, 2000, 74, 10390-10400.	3.4	30
31	Complete nucleotide sequence and genome organization of Pelargonium flower break virus. Archives of Virology, 2004, 149, 641-651.	2.1	25
32	Identification of a new viroid as the putative causal agent of pear blister canker disease. Journal of General Virology, 1991, 72, 1199-1204.	2.9	24
33	Molecular and biological characterization of an isolate of Tomato mottle mosaic virus (ToMMV) infecting tomato and other experimental hosts in eastern Spain. European Journal of Plant Pathology, 2017, 149, 261-268.	1.7	23
34	Molecular characterization of the largest mycoviral-like double-stranded RNAs associated with Amasya cherry disease, a disease of presumed fungal aetiology. Journal of General Virology, 2006, 87, 3113-3117.	2.9	22
35	Efficient Translation of Pelargonium line pattern virus RNAs Relies on a TED-Like 3Â´-Translational Enhancer that Communicates with the Corresponding 5Â´-Region through a Long-Distance RNA-RNA Interaction. PLoS ONE, 2016, 11, e0152593.	2.5	21
36	STUDIES ON THE DETECTION, TRANSMISSION AND DISTRIBUTION OF PEACH LATENT MOSAIC VIROID IN PEACH TREES. Acta Horticulturae, 1992, , 325-330.	0.2	20

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37	An Internal Ribosome Entry Site Directs Translation of the 3â€²-Gene from Pelargonium Flower Break Virus Genomic RNA: Implications for Infectivity. PLoS ONE, 2011, 6, e22617.	2.5	20
38	Development of a Non-radioactive Dot-blot Hybridisation Assay for the Detection of Pelargonium Flower Break Virus and Pelargonium line Pattern Virus. European Journal of Plant Pathology, 2004, 110, 275-283.	1.7	19
39	Sequences of the smallest double-stranded RNAs associated with cherry chlorotic rusty spot and Amasya cherry diseases. Archives of Virology, 2008, 153, 759-762.	2.1	19
40	Molecular characterization of CEVd strains that induce different phenotypes in Gynura aurantiaca: structure-pathogenicity relationships. Archives of Virology, 2007, 152, 1283-1294.	2.1	15
41	A membrane-associated movement protein of Pelargonium flower break virus shows RNA-binding activity and contains a biologically relevant leucine zipper-like motif. Virology, 2011, 413, 310-319.	2.4	15
42	An Element of the Tertiary Structure of Peach Latent Mosaic Viroid RNA Revealed by UV Irradiation. Journal of Virology, 2006, 80, 9336-9340.	3.4	14
43	Nicotiana benthamiana plants asymptomatically infected by Pelargonium line pattern virus show unusually high accumulation of viral small RNAs that is neither associated with DCL induction nor RDR6 activity. Virology, 2017, 501, 136-146.	2.4	13
44	New Insights into the Nucleolar Localization of a Plant RNA Virus-Encoded Protein That Acts in Both RNA Packaging and RNA Silencing Suppression: Involvement of Importins Alpha and Relevance for Viral Infection. Molecular Plant-Microbe Interactions, 2018, 31, 1134-1144.	2.6	13
45	Analysis of Viroid Replication. Methods in Molecular Biology, 2008, 451, 167-183.	0.9	11
46	Characterization of the subgenomic RNAs produced by Pelargonium flower break virus: Identification of two novel RNAs species. Virus Research, 2009, 142, 100-107.	2.2	9
47	Identification and characterization of RNA-binding activity in the ORF1-encoded replicase protein of Pelargonium flower break virus. Journal of General Virology, 2010, 91, 3075-3084.	2.9	9
48	Biological activity of transcripts from cDNA of Pelargonium line pattern virus. Acta Virologica, 2007, 51, 271-4.	0.8	8
49	Evidence supporting a premature termination mechanism for subgenomic RNA transcription in Pelargonium line pattern virus: identification of a critical long-range RNAâ€"RNA interaction and functional variants through mutagenesis. Journal of General Virology, 2016, 97, 1469-1480.	2.9	7
50	Population differentiation and selective constraints in Pelargonium line pattern virus. Virus Research, 2011, 155, 274-282.	2.2	6
51	Genetic evidence for the involvement of Dicer-like 2 and 4 as well as Argonaute 2 in the Nicotiana benthamiana response against Pelargonium line pattern virus. Journal of General Virology, 2021, 102, .	2.9	6
52	Analysis of the subcellular targeting of the smaller replicase protein of Pelargonium flower break virus. Virus Research, 2012, 163, 580-591.	2.2	5
53	Epigenetic Changes in Host Ribosomal DNA Promoter Induced by an Asymptomatic Plant Virus Infection. Biology, 2020, 9, 91.	2.8	5
54	Pelargonium chlorotic ring pattern virus: first report in Spain. Plant Pathology, 2008, 57, 396-396.	2.4	2

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55	In memoriam of Ricardo Flores: The career, achievements, and legacy of an inspirational plant virologist. Virus Research, 2022, 312, 198718.	2.2	2
56	Peach Latent Mosaic Viroid in Infected Peach. , 2017, , 307-316.		1
57	EVIDENCES SUPPORTING A VIROID ETIOLOGY FOR PEAR BLISTER CANKER DISEASE. Acta Horticulturae, 1992, , 319-324.	0.2	1
58	Carmo-Like Viruses (Tombusviridae). , 2021, , 285-292.		0