Helene Sanfacon

List of Publications by Year
in descending order

69 papers	4,909 citations	136740 32 h-index	95083 68 g-index
75 all docs	75 docs citations	75 times ranked	5027 citing authors

#	Article	IF	Citations
1	Proteolytic Processing of Plant Proteins by Potyvirus NIa Proteases. Journal of Virology, 2022, 96, JVI0144421.	1.5	10
2	Nepoviruses (Secoviridae). , 2021, , 486-494.		1
3	Mapping of sequences in the 5â€™ region and 3â€™ UTR of tomato ringspot virus RNA2 that facilitate cap-independent translation of reporter transcripts in vitro. PLoS ONE, 2021, 16, e0249928.	1.1	3
4	Fundamental Aspects of Plant Virusesâ˜An Overview on Focus Issue Articles. Phytopathology, 2020, 110, 6-9.	1.1	3
5	Proposed revision of the family Secoviridae taxonomy to create three subgenera, â€œSatsumavirusâ€, â€œStramovirusâ€•and â€œCholivirusâ€, in the genus Sadwavirus. Archives of Virology, 2020, 165, 527-533.	0.9	22
6	Modulation of disease severity by plant positive-strand RNA viruses: The complex interplay of multifunctional viral proteins, subviral RNAs and virus-associated RNAs with plant signaling pathways and defense responses. Advances in Virus Research, 2020, 107, 87-131.	0.9	6
7	Additional changes to taxonomy ratified in a special vote by the International Committee on Taxonomy of Viruses (October 2018). Archives of Virology, 2019, 164, 943-946.	0.9	102
8	Expanding Repertoire of Plant Positive-Strand RNA Virus Proteases. Viruses, 2019, 11, 66.	1.5	24
9	Strawberry Mottle Virus (Family Secoviridae , Order Picornavirales) Encodes a Novel Glutamic Protease To Process the RNA2 Polyprotein at Two Cleavage Sites. Journal of Virology, 2019, 93, .	1.5	11
10	Taxonomy of the family Arenaviridae and the order Bunyavirales: update 2018. Archives of Virology, 2018, 163, 2295-2310.	0.9	157
11	Ortervirales: New Virus Order Unifying Five Families of Reverse-Transcribing Viruses. Journal of Virology, 2018, 92, .	1.5	79
12	Exploring the Diversity of Mechanisms Associated With Plant Tolerance to Virus Infection. Frontiers in Plant Science, 2018, 9, 1575.	1.7	73
13	Expression and antiviral function of ARGONAUTE 2 in Nicotiana benthamiana plants infected with two isolates of tomato ringspot virus with varying degrees of virulence. Virology, 2018, 524, 127-139.	1.1	25
14	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018). Archives of Virology, 2018, 163, 2601-2631.	0.9	567
15	50 years of the International Committee on Taxonomy of Viruses: progress and prospects. Archives of Virology, 2017, 162, 1441-1446.	0.9	72
16	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2017). Archives of Virology, 2017, 162, 2505-2538.	0.9	506
17	Identification of Cleavage Sites Recognized by the 3C-Like Cysteine Protease within the Two Polyproteins of Strawberry Mottle Virus. Frontiers in Microbiology, 2017, 8, 745.	1.5	15
18	Grand Challenge in Plant Virology: Understanding the Impact of Plant Viruses in Model Plants, in Agricultural Crops, and in Complex Ecosystems. Frontiers in Microbiology, 2017, 8, 860.	1.5	32

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19	ICTV Virus Taxonomy Profile: Secoviridae. Journal of General Virology, 2017, 98, 529-531.	1.3	169
20	Characterization of a Non-Canonical Signal Peptidase Cleavage Site in a Replication Protein from Tomato Ringspot Virus. PLoS ONE, 2016, 11, e0162223.	1.1	2
21	Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2016). Archives of Virology, 2016, 161, 2921-2949.	0.9	263
22	Possibility and Challenges of Conversion of Current Virus Species Names to Linnaean Binomials. Systematic Biology, 2016, 66, syw096.	2.7	17
23	Genome sequence analysis of five Canadian isolates of strawberry mottle virus reveals extensive intra-species diversity and a longer RNA2 with increased coding capacity compared to a previously characterized European isolate. Archives of Virology, 2016, 161, 1657-1663.	0.9	14
24	Plant Translation Factors and Virus Resistance. Viruses, 2015, 7, 3392-3419.	1.5	214
25	Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2015). Archives of Virology, 2015, 160, 1837-1850.	0.9	126
26	Symptom recovery in virus-infected plants: Revisiting the role of RNA silencing mechanisms. Virology, 2015, 479-480, 167-179.	1.1	130
27	Complete genome sequence of three tomato ringspot virus isolates: evidence for reassortment and recombination. Archives of Virology, 2015, 160, 543-547.	0.9	17
28	<i>Tomato ringspot virus</i> Coat Protein Binds to ARGONAUTE 1 and Suppresses the Translation Repression of a Reporter Gene. Molecular Plant-Microbe Interactions, 2014, 27, 933-943.	1.4	54
29	The Cucumber leaf spot virus p25 auxiliary replicase protein binds and modifies the endoplasmic reticulum via N-terminal transmembrane domains. Virology, 2014, 468-470, 36-46.	1.1	5
30	Temperature-dependent symptom recovery in Nicotiana benthamiana plants infected with tomato ringspot virus is associated with reduced translation of viral RNA2 and requires ARGONAUTE 1. Virology, 2014, 456-457, 188-197.	1.1	86
31	In vitro and in vivo evidence for differences in the protease activity of two arabis mosaic nepovirus isolates and their impact on the infectivity of chimeric cDNA clones. Virology, 2013, 446, 102-111.	1.1	9
32	The SNARE Protein Syp71 Is Essential for Turnip Mosaic Virus Infection by Mediating Fusion of Virus-Induced Vesicles with Chloroplasts. PLoS Pathogens, 2013, 9, e1003378.	2.1	116
33	Silencing of the Host Factor eIF(iso)4E Gene Confers Plum Pox Virus Resistance in Plum. PLoS ONE, 2013, 8, e50627.	1.1	77
34	e-Book on plant virus infectionâ€”a cell biology perspective. Frontiers in Plant Science, 2013, 4, 203.	1.7	4
35	Investigating the role of viral integral membrane proteins in promoting the assembly of nepovirus and comovirus replication factories. Frontiers in Plant Science, 2012, 3, 313.	1.7	18
36	Salicylic Acid-Dependent Restriction of<i>Tomato ringspot virus</i>Spread in Tobacco Is Accompanied by a Hypersensitive Response, Local RNA Silencing, and Moderate Systemic Resistance. Molecular Plant-Microbe Interactions, 2011, 24, 706-718.	1.4	59

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37	Cellular Remodeling During Plant Virus Infection. Annual Review of Phytopathology, 2010, 48, 69-91.	3.5	240
38	Secoviridae: a proposed family of plant viruses within the order Picornavirales that combines the families Sequiviridae and Comoviridae, the unassigned genera Cheravirus and Sadwavirus, and the proposed genus Torradovirus. Archives of Virology, 2009, 154, 899-907.	0.9	236
39	Insertion of large amino acid repeats and point mutations contribute to a high degree of sequence diversity in the X4 protein of tomato ringspot virus (genus Nepovirus). Archives of Virology, 2009, 154, 1713-1717.	0.9	12
40	Characterization of proteinase cleavage sites in the N-terminal region of the RNA1-encoded polyprotein from Arabis mosaic virus (subgroup A nepovirus). Virology, 2008, 375, 159-169.	1.1	27
41	Analysis of Interactions Between Viral Replicase Proteins and Plant Intracellular Membranes. Methods in Molecular Biology, 2008, 451, 361-375.	0.4	10
42	Recovery of <i>Nicotiana benthamiana</i> Plants from a Necrotic Response Induced by a Nepovirus Is Associated with RNA Silencing but Not with Reduced Virus Titer. Journal of Virology, 2007, 81, 12285-12297.	1.5	73
43	Peripheral association of a polyprotein precursor form of the RNA-dependent RNA polymerase of Tomato ringspot virus with the membrane-bound viral replication complex. Virology, 2007, 368, 133-144.	1.1	12
44	Cheravirus and Sadwavirus: two unassigned genera of plant positive-sense single-stranded RNA viruses formerly considered atypical members of the genus Nepovirus (family Comoviridae). Archives of Virology, 2007, 152, 1767-1774.	0.9	46
45	Engineering resistance toPlum pox virus(PPV) through the expression of PPV-specific hairpin RNAs in transgenic plants. Canadian Journal of Plant Pathology, 2006, 28, 263-270.	0.8	11
46	Characterization of Membrane Association Domains within the Tomato Ringspot Nepovirus X2 Protein, an Endoplasmic Reticulum-Targeted Polytopic MembraneProtein. Journal of Virology, 2006, 80, 10847-10857.	1.5	18
47	Evidence that Insertion of Tomato Ringspot Nepovirus NTB-VPg Protein in Endoplasmic Reticulum Membranes Is Directed by Two Domains: a C-Terminal Transmembrane Helix and an N-Terminal Amphipathic Helix. Journal of Virology, 2005, 79, 11752-11765.	1.5	36
48	Replication of positive-strand RNA viruses in plants: contact points between plant and virus components. Canadian Journal of Botany, 2005, 83, 1529-1549.	1.2	35
49	Topogenesis in membranes of the NTBâ€"VPg protein of Tomato ringspot nepovirus: definition of the C-terminal transmembrane domain. Journal of General Virology, 2004, 85, 535-545.	1.3	19
50	Inhibitory effects of cystatins on proteolytic activities of the Plum pox potyvirus cysteine proteinases. Virus Research, 2004, 105, 175-182.	1.1	13
51	Tomato Ringspot Virus Proteins Containing the Nucleoside Triphosphate Binding Domain Are Transmembrane Proteins That Associate with the Endoplasmic Reticulum and Cofractionate with Replication Complexes. Journal of Virology, 2003, 77, 523-534.	1.5	56
52	Interaction in vitro between the proteinase of Tomato ringspot virus (genus Nepovirus) and the eukaryotic translation initiation factor iso4E from Arabidopsis thaliana. Journal of General Virology, 2002, 83, 2085-2089.	1.3	28
53	Expression and partial purification of recombinant tomato ringspot nepovirus 3C-like proteinase: comparison of the activity of the mature proteinase and the VPg-proteinase precursor. Virus Research, 2001, 79, 153-164.	1.1	16
54	Homology-dependent resistance to tomato ringspot nepovirus in plants transformed with the VPgâ€"protease coding region¹. Canadian Journal of Plant Pathology, 2001, 23, 292-299.	0.8	10

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55	Genomic organization of RNA2 of Tomato ringspot virus: processing at a third cleavage site in the N-terminal region of the polyprotein in vitro. Journal of General Virology, 2001, 82, 1785-1790.	1.3	20
56	Diversity in the coding regions for the coat protein, VPg, protease, and putative RNA-dependent RNA polymerase among tomato ringspot nepovirus isolates. Canadian Journal of Plant Pathology, 2000, 22, 145-149.	0.8	16
57	Proteolytic processing at a novel cleavage site in the N-terminal region of the tomato ringspot nepovirus RNA-1-encoded polyprotein in vitro. Journal of General Virology, 2000, 81, 2771-2781.	1.3	35
58	Mutagenesis of Amino Acids at Two Tomato Ringspot Nepovirus Cleavage Sites: Effect on Proteolytic Processingin cisandin transby the 3C-like Protease. Virology, 1999, 258, 161-175.	1.1	32
59	Analysis of Figwort Mosaic Virus (Plant Pararetrovirus) Polyadenylation Signal. Virology, 1994, 198, 39-49.	1.1	44
60	Characterization and Subcellular Localization of Tomato Ringspot Nepovirus Putative Movement Protein. Virology, 1993, 194, 734-742.	1.1	102
61	Characterization ofSolanum dulcamaraYellow Fleck-Ob: A Tobamovirus that Overcomes the N Resistance Gene. Phytopathology, 1993, 83, 400.	1.1	6
62	Analysis of cauliflower mosaic virus RNAs in Brassica species showing a range of susceptibility to infection. Virology, 1992, 190, 30-39.	1.1	21
63	A dissection of the cauliflower mosaic virus polyadenylation signal.. Genes and Development, 1991, 5, 141-149.	2.7	108
64	Proximity to the promoter inhibits recognition of cauliflower mosaic virus polyadenylation signal. Nature, 1990, 346, 81-84.	13.7	105
65	Closely spaced and divergent promoters for an aminoacyl-tRNA synthetase gene and a tRNA operon in Escherichia coli. Journal of Molecular Biology, 1990, 214, 845-864.	2.0	27
66	Differential inhibition of downstream gene expression by the cauliflower mosaic virus 35S RNA leader. Virus Genes, 1989, 3, 45-55.	0.7	64
67	Posttranscriptional trans-activation in cauliflower mosaic virus. Cell, 1989, 59, 1135-1143.	13.5	207
68	The leading sequence of caulimovirus large RNA can be folded into a large stem-loop structure. Nucleic Acids Research, 1988, 16, 8377-8390.	6.5	60
69	Cloning of the gene for Escherichia coli glutamyl-tRNA synthetase. Gene, 1983, 22, 175-180.	1.0	14