Herman B Scholthof

List of Publications by Year
in descending order

51 papers	2,702 citations	28 h-index (186265)	50 g-index (189892)
52 all docs	52 docs citations	52 times ranked	1667 citing authors

#	Article	IF	Citations
1	PLANT VIRUS GENE VECTORS FOR TRANSIENT EXPRESSION OF FOREIGN PROTEINS IN PLANTS. Annual Review of Phytopathology, 1996, 34, 299-323.	7.8	252
2	Plant virus transport: motions of functional equivalence. Trends in Plant Science, 2005, 10, 376-382.	8.8	182
3	Tomato Bushy Stunt Virus Spread Is Regulated by Two Nested Genes That Function in Cell-to-Cell Movement and Host-Dependent Systemic Invasion. Virology, 1995, 213, 425-438.	2.4	169
4	The Capsid Protein Gene of Tomato Bushy Stunt Virus Is Dispensable for Systemic Movement and Can Be Replaced for Localized Expression of Foreign Genes. Molecular Plant-Microbe Interactions, 1993, 6, 309.	2.6	150
5	Tombusvirus P19-Mediated Suppression of Virus-Induced Gene Silencing Is Controlled by Genetic and Dosage Features That Influence Pathogenicity. Molecular Plant-Microbe Interactions, 2002, 15, 269-280.	2.6	148
6	Identification of an <i>ARGONAUTE</i> for Antiviral RNA Silencing in <i>Nicotiana benthamiana</i> Â Â Â Â. Plant Physiology, 2011, 156, 1548-1555.	4.8	135
7	The Tomato Bushy Stunt Virus Replicase Proteins Are Coordinately Expressed and Membrane Associated. Virology, 1995, 208, 365-369.	2.4	124
8	The Tombusvirus-encoded P19: from irrelevance to elegance. Nature Reviews Microbiology, 2006, 4, 405-411.	28.6	123
9	Genetic Dissection of Tomato Bushy Stunt Virus p19-Protein-Mediated Host-Dependent Symptom Induction and Systemic Invasion. Virology, 2000, 266, 79-87.	2.4	107
10	Multiplexed Gene Editing and Protein Overexpression Using a <i>Tobacco mosaic virus</i> Viral Vector. Plant Physiology, 2017, 175, 23-35.	4.8	86
11	RNAi-associated ssRNA-specific ribonucleases in Tombusvirus P19 mutant-infected plants and evidence for a discrete siRNA-containing effector complex. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1714-1719.	7.1	77
12	Plant responses against invasive nucleic acids: RNA silencing and its suppression by plant viral pathogens. Seminars in Cell and Developmental Biology, 2009, 20, 1032-1040.	5.0	71
13	Restoration of Wild-Type Virus by Double Recombination of Tombusvirus Mutants with a Host Transgene. Molecular Plant-Microbe Interactions, 1999, 12, 153-162.	2.6	66
14	Rapid Delivery of Foreign Genes into Plants by Direct Rub-Inoculation with Intact Plasmid DNA of a Tomato Bushy Stunt Virus Gene Vector. Journal of Virology, 1999, 73, 7823-7829.	3.4	61
15	Biological Relevance of a Stable Biochemical Interaction between the Tombusvirus-Encoded P19 and Short Interfering RNAs. Journal of Virology, 2006, 80, 3000-3008.	3.4	60
16	A new eriophyid mite-borne membrane-enveloped virus-like complex isolated from plants. Virology, 2006, 347, 343-353.	2.4	59
17	Improved foreign gene expression in plants using a virusâ€encoded suppressor of RNA silencing modified to be developmentally harmless. Plant Biotechnology Journal, 2011, 9, 703-712.	8.3	57
18	A Novel Plant Homeodomain Protein Interacts in a Functionally Relevant Manner with a Virus Movement Protein. Plant Physiology, 2002, 129, 1521-1532.	4.8	55

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19	Plant Virus Vectors 3.0: Transitioning into Synthetic Genomics. Annual Review of Phytopathology, 2019, 57, 211-230.	7.8	51
20	The Effect of Defective Interfering RNAs on the Accumulation of Tomato Bushy Stunt Virus Proteins and Implications for Disease Attenuation. Virology, 1995, 211, 324-328.	2.4	45
21	The Enigma of pX: A Host-Dependentcis-Acting Element with Variable Effects on Tombusvirus RNA Accumulation. Virology, 1997, 237, 56-65.	2.4	38
22	Separate Regions on the Tomato Bushy Stunt Virus p22 Protein Mediate Cell-to-Cell Movement versus Elicitation of Effective Resistance Responses. Molecular Plant-Microbe Interactions, 1999, 12, 285-292.	2.6	37
23	Biological Activity of Two Tombusvirus Proteins Translated from Nested Genes Is Influenced by Dosage Control via Context-Dependent Leaky Scanning. Molecular Plant-Microbe Interactions, 1999, 12, 670-679.	2.6	34
24	Transgenic down-regulation of ARGONAUTE2 expression in Nicotiana benthamiana interferes with several layers of antiviral defenses. Virology, 2015, 486, 209-218.	2.4	34
25	Tomato bushy stunt virus: a resilient model system to study virus-plant interactions. Molecular Plant Pathology, 2005, 6, 491-502.	4.2	33
26	Host-Dependent Recombination of a Tomato bushy stunt virus Coat Protein Mutant Yields Truncated Capsid Subunits That Form Virus-like Complexes Which Benefit Systemic Spread. Virology, 2002, 304, 434-442.	2.4	32
27	The multifunctional plant viral suppressor of gene silencing P19 interacts with itself and an RNA binding host protein. Virology, 2004, 323, 49-58.	2.4	32
28	Diverse and Newly Recognized Effects Associated with Short Interfering RNA Binding Site Modifications on the <i>Tomato Bushy Stunt Virus</i> P19 Silencing Suppressor. Journal of Virology, 2009, 83, 2188-2200.	3.4	30
29	AGO2: A New Argonaute Compromising Plant Virus Accumulation. Frontiers in Plant Science, 2011, 2, 112.	3.6	30
30	Plant Virus Gene Vectors: Biotechnology Applications in Agriculture and Medicine. , 2002, 24, 67-85.		28
31	A newly identified role for Tomato bushy stunt virus P19 in short distance spread. Molecular Plant Pathology, 2003, 4, 67-72.	4.2	28
32	Enhanced Transgene Expression in Sugarcane by Co-Expression of Virus-Encoded RNA Silencing Suppressors. PLoS ONE, 2013, 8, e66046.	2.5	26
33	Heterologous Expression of Viral RNA Interference Suppressors: RISC Management. Plant Physiology, 2007, 145, 1110-1117.	4.8	23
34	Broad-Spectrum Protection against Tombusviruses Elicited by Defective Interfering RNAs in Transgenic Plants. Journal of Virology, 1999, 73, 5070-5078.	3.4	19
35	Retention of a Small Replicase Gene Segment in Tomato Bushy Stunt Virus Defective RNAs Inhibits Their Helper-Mediated Trans-Accumulation. Virology, 2001, 281, 51-60.	2.4	18
36	<i>Tobacco rattle virus</i> (TRV)-Mediated Silencing of <i>Nicotiana benthamiana ARGONAUTES</i> (<i>NbAGOs</i>) Reveals New Antiviral Candidates and Dominant Effects of TRV-<i>NbAGO1</i>. Phytopathology, 2017, 107, 977-987.	2.2	18

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37	Satellite panicum mosaic virus coat protein enhances the performance of plant virus gene vectors. Virology, 2010, 396, 37-46.	2.4	17
38	An antiviral RISC isolated from Tobacco rattle virus-infected plants. Virology, 2011, 412, 117-124.	2.4	16
39	Differential requirements for Tombusvirus coat protein and P19 in plants following leaf versus root inoculation. Virology, 2013, 439, 89-96.	2.4	16
40	RNA silencing suppressor-influenced performance of a virus vector delivering both guide RNA and Cas9 for CRISPR gene editing. Scientific Reports, 2021, 11, 6769.	3.3	16
41	Effects of inactivation of the coat protein and movement genes of Tomato bushy stunt virus on early accumulation of genomic and subgenomic RNAs. Journal of General Virology, 2001, 82, 3107-3114.	2.9	16
42	Biological Chemistry of Virus-Encoded Suppressors of RNA Silencing: An Overview. Methods in Molecular Biology, 2012, 894, 39-56.	0.9	14
43	Tombusvirus-based vector systems to permit over-expression of genes or that serve as sensors of antiviral RNA silencing in plants. Virology, 2014, 452-453, 159-165.	2.4	11
44	Host-Specific Generation and Maintenance of Tomato bushy stunt virus Defective Interfering RNAs. Molecular Plant-Microbe Interactions, 2004, 17, 195-201.	2.6	10
45	Native Processing of Single Guide RNA Transcripts to Create Catalytic Cas9/Single Guide RNA Complexes in Planta. Plant Physiology, 2020, 184, 1194-1206.	4.8	9
46	Molecular Plant-Microbe Interactions That Cut the Mustard: Fig. 1.. Plant Physiology, 2001, 127, 1476-1483.	4.8	8
47	Using Vectors Derived from Tomato Bushy Stunt Virus (TBSV) and TBSV Defective Interfering RNAs (DIs). Current Protocols in Microbiology, 2007, 7, Unit 16I.4.	6.5	8
48	Host impact on the stability of a plant virus gene vector as measured by a new fluorescent local lesion passaging assay. Journal of Virological Methods, 2012, 179, 289-294.	2.1	8
49	An in vitro reprogrammable antiviral RISC with size-preferential ribonuclease activity. Virology, 2016, 490, 41-48.	2.4	7
50	Expression of Separate Proteins in the Same Plant Leaves and Cells Using Two Independent Virus-Based Gene Vectors. Frontiers in Plant Science, 2017, 8, 1808.	3.6	4
51	Transient expression of a bovine leukemia virus envelope glycoprotein in plants by a recombinant TBSV vector. Journal of Virological Methods, 2018, 255, 1-7.	2.1	4