Herman B Scholthof

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	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
2	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
3	Plant Virus Vectors 3.0: Transitioning into Synthetic Genomics. Annual Review of Phytopathology, 2019, 57, 211-230.	7.8	51
4	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
5	<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
6	Multiplexed Gene Editing and Protein Overexpression Using a <i>Tobacco mosaic virus</i> Viral Vector. Plant Physiology, 2017, 175, 23-35.	4.8	86
7	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
8	An in vitro reprogrammable antiviral RISC with size-preferential ribonuclease activity. Virology, 2016, 490, 41-48.	2.4	7
9	Transgenic down-regulation of ARGONAUTE2 expression in Nicotiana benthamiana interferes with several layers of antiviral defenses. Virology, 2015, 486, 209-218.	2.4	34
10	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
11	Differential requirements for Tombusvirus coat protein and P19 in plants following leaf versus root inoculation. Virology, 2013, 439, 89-96.	2.4	16
12	Enhanced Transgene Expression in Sugarcane by Co-Expression of Virus-Encoded RNA Silencing Suppressors. PLoS ONE, 2013, 8, e66046.	2.5	26
13	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
14	Biological Chemistry of Virus-Encoded Suppressors of RNA Silencing: An Overview. Methods in Molecular Biology, 2012, 894, 39-56.	0.9	14
15	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
16	An antiviral RISC isolated from Tobacco rattle virus-infected plants. Virology, 2011, 412, 117-124.	2.4	16
17	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
18	AGO2: A New Argonaute Compromising Plant Virus Accumulation. Frontiers in Plant Science, 2011, 2, 112.	3.6	30

#	Article	IF	Citations
19	Satellite panicum mosaic virus coat protein enhances the performance of plant virus gene vectors. Virology, 2010, 396, 37-46.	2.4	17
20	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
21	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
22	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
23	Heterologous Expression of Viral RNA Interference Suppressors: RISC Management. Plant Physiology, 2007, 145, 1110-1117.	4.8	23
24	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
25	The Tombusvirus-encoded P19: from irrelevance to elegance. Nature Reviews Microbiology, 2006, 4, 405-411.	28.6	123
26	A new eriophyid mite-borne membrane-enveloped virus-like complex isolated from plants. Virology, 2006, 347, 343-353.	2.4	59
27	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
28	Tomato bushy stunt virus: a resilient model system to study virus-plant interactions. Molecular Plant Pathology, 2005, 6, 491-502.	4.2	33
29	Plant virus transport: motions of functional equivalence. Trends in Plant Science, 2005, 10, 376-382.	8.8	182
30	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
31	Host-Specific Generation and Maintenance of Tomato bushy stunt virus Defective Interfering RNAs. Molecular Plant-Microbe Interactions, 2004, 17, 195-201.	2.6	10
32	A newly identified role for Tomato bushy stunt virus P19 in short distance spread. Molecular Plant Pathology, 2003, 4, 67-72.	4.2	28
33	Plant Virus Gene Vectors: Biotechnology Applications in Agriculture and Medicine. , 2002, 24, 67-85.		28
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Molecular Plant-Microbe Interactions That Cut the Mustard: Fig. 1.. Plant Physiology, 2001, 127, 1476-1483.	4.8	8
39	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
40	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
41	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
42	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
43	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
44	Broad-Spectrum Protection against Tombusviruses Elicited by Defective Interfering RNAs in Transgenic Plants. Journal of Virology, 1999, 73, 5070-5078.	3.4	19
45	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
46	The Enigma of pX: A Host-Dependentcis-Acting Element with Variable Effects on Tombusvirus RNA Accumulation. Virology, 1997, 237, 56-65.	2.4	38
47	PLANT VIRUS GENE VECTORS FOR TRANSIENT EXPRESSION OF FOREIGN PROTEINS IN PLANTS. Annual Review of Phytopathology, 1996, 34, 299-323.	7.8	252
48	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
49	The Tomato Bushy Stunt Virus Replicase Proteins Are Coordinately Expressed and Membrane Associated. Virology, 1995, 208, 365-369.	2.4	124
50	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
51	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