Zhiyong Yan

List of Publications by Year
in descending order

98 papers	4,970 citations	87843 38 h-index	102432 66 g-index
100 all docs	100 docs citations	100 times ranked	3374 citing authors

#	Article	IF	Citations
1	Insect vector-mediated transmission of plant viruses. Virology, 2015, 479-480, 278-289.	1.1	413
2	Virus-Vector Interactions Mediating Nonpersistent and Semipersistent Transmission of Plant Viruses. Annual Review of Phytopathology, 2006, 44, 183-212.	3.5	385
3	Three distinct suppressors of RNA silencing encoded by a 20-kb viral RNA genome. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15742-15747.	3.3	344
4	BIOLOGY AND MOLECULAR BIOLOGY OF VIRUSES IN THE GENUSTENUIVIRUS. Annual Review of Phytopathology, 1998, 36, 139-163.	3.5	277
5	Genetic Variation of Citrus Tristeza Virus Isolates from California and Spain: Evidence for Mixed Infections and Recombination. Journal of Virology, 2001, 75, 8054-8062.	1.5	204
6	RNA Interference Mechanisms and Applications in Plant Pathology. Annual Review of Phytopathology, 2018, 56, 581-610.	3.5	170
7	Genome Structure and Phylogenetic Analysis of Lettuce Infectious Yellows Virus, a Whitefly-Transmitted, Bipartite Closterovirus. Virology, 1995, 208, 99-110.	1.1	145
8	Oral Delivery of Double-Stranded RNAs and siRNAs Induces RNAi Effects in the Potato/Tomato Psyllid, Bactericerca cockerelli. PLoS ONE, 2011, 6, e27736.	1.1	100
9	Will transgenic crops generate new viruses and new diseases?. Science, 1994, 263, 1395-1396.	6.0	92
10	Geographically distant isolates of the crinivirus Cucurbit yellow stunting disorder virus show very low genetic diversity in the coat protein gene. Journal of General Virology, 2001, 82, 929-933.	1.3	87
11	Population structure and genetic diversity within California Citrus tristeza virus (CTV) isolates. Virus Genes, 2000, 21, 139-145.	0.7	84
12	Phylogenetic Evidence for Two New Insect-Associated Chlamydia of the Family Simkaniaceae. Current Microbiology, 2003, 47, 46-50.	1.0	83
13	Molecular Population Genetics of Cucumber Mosaic Virus in California: Evidence for Founder Effects and Reassortment. Journal of Virology, 2004, 78, 6666-6675.	1.5	83
14	Endogenous Viral Elements Are Widespread in Arthropod Genomes and Commonly Give Rise to PIWI-Interacting RNAs. Journal of Virology, 2019, 93, .	1.5	81
15	Geographic Distribution and Molecular Variation of Isolates of Three Whitefly-Borne Closteroviruses of Cucurbits: Lettuce Infectious Yellows Virus, Cucurbit Yellow Stunting Disorder Virus, and Beet Pseudo-Yellows Virus. Phytopathology, 1999, 89, 707-711.	1.1	78
16	Genetic diversity and biological variation among California isolates of Cucumber mosaic virus. Journal of General Virology, 2003, 84, 249-258.	1.3	73
17	Insect-specific viruses: from discovery to potential translational applications. Current Opinion in Virology, 2018, 33, 33-41.	2.6	73
18	RNA Interference towards the Potato Psyllid, Bactericera cockerelli, Is Induced in Plants Infected with Recombinant Tobacco mosaic virus (TMV). PLoS ONE, 2013, 8, e66050.	1.1	68

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19	Interaction between HSP70 Homolog and Filamentous Virions of the Beet Yellows Virus. Virology, 2000, 274, 232-239.	1.1	66
20	Emerging strategies for RNA interference (RNAi) applications in insects. Bioengineered, 2015, 6, 8-19.	1.4	66
21	Symptom Severity of Beet Western Yellows Virus Strain ST9 Is Conferred by the ST9-Associated RNA and Is Not Associated with Virus Release from the Phloem. Virology, 1994, 200, 48-55.	1.1	61
22	In VitroTranscripts from Cloned cDNAs of the Lettuce Infectious Yellows Closterovirus Bipartite Genomic RNAs Are Competent for Replication inNicotiana benthamianaProtoplasts. Virology, 1996, 222, 169-175.	1.1	60
23	Bioreactor strategies for improving production yield and functionality of a recombinant human protein in transgenic tobacco cell cultures. Biotechnology and Bioengineering, 2009, 102, 508-520.	1.7	60
24	Asynchronous Accumulation of Lettuce Infectious Yellows Virus RNAs 1 and 2 and Identification of an RNA 1 trans Enhancer of RNA 2 Accumulation. Journal of Virology, 2000, 74, 5762-5768.	1.5	59
25	Oral delivery of double-stranded RNAs induces mortality in nymphs and adults of the Asian citrus psyllid, Diaphorina citri. PLoS ONE, 2017, 12, e0171847.	1.1	59
26	Diverse Array of New Viral Sequences Identified in Worldwide Populations of the Asian Citrus Psyllid (Diaphorina citri) Using Viral Metagenomics. Journal of Virology, 2016, 90, 2434-2445.	1.5	55
27	Deep Sequencing Analysis of RNAs from Citrus Plants Grown in a Citrus Sudden Death-Affected Area Reveals Diverse Known and Putative Novel Viruses. Viruses, 2017, 9, 92.	1.5	53
28	A Mutation in the <i>Lettuce Infectious Yellows Virus</i> Minor Coat Protein Disrupts Whitefly Transmission but Not <i>In Planta</i> Systemic Movement. Journal of Virology, 2010, 84, 12165-12173.	1.5	52
29	Genetic Structure and Molecular Variability of Cucumber mosaic virus Isolates in the United States. PLoS ONE, 2014, 9, e96582.	1.1	49
30	Partial Sequence and Survey Analysis Identify a Multipartite, Negative-Sense RNA Virus Associated with Fig Mosaic. Plant Disease, 2009, 93, 4-10.	0.7	47
31	The Impact of â€œCoat Protein-Mediated Virus Resistanceâ€•in Applied Plant Pathology and Basic Research. Phytopathology, 2017, 107, 624-634.	1.1	47
32	Downâ€regulation of genes coding for core RNAi components and disease resistance proteins via corresponding microRNAs might be correlated with successful <i>Soybean mosaic virus</i> infection in soybean. Molecular Plant Pathology, 2018, 19, 948-960.	2.0	47
33	Crinivirus replication and host interactions. Frontiers in Microbiology, 2013, 4, 99.	1.5	45
34	The Maize Stripe Virus Major Noncapsid Protein Messenger RNA Transcripts Contain Heterogeneous Leader Sequences at Their 5â€² Termini. Virology, 1993, 197, 808-812.	1.1	44
35	Quantitative parameters determining whitefly (Bemisia tabaci) transmission of Lettuce infectious yellows virus and an engineered defective RNA. Journal of General Virology, 2004, 85, 2697-2707.	1.3	44
36	A chemically inducible cucumber mosaic virus amplicon system for expression of heterologous proteins in plant tissues. Plant Biotechnology Journal, 2006, 4, 060607001144001-???.	4.1	44

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37	Use of Recombinant Tobacco Mosaic Virus To Achieve RNA Interference in Plants against the Citrus Mealybug, Planococcus citri (Hemiptera: Pseudococcidae). PLoS ONE, 2013, 8, e73657.	1.1	41
38	A Semipersistent Plant Virus Differentially Manipulates Feeding Behaviors of Different Sexes and Biotypes of Its Whitefly Vector. Viruses, 2017, 9, 4.	1.5	41
39	The Beet Western Yellows Virus ST9-Associated RNA Shares Structural and Nucleotide Sequence Homology with Carmo-like Viruses. Virology, 1993, 192, 473-482.	1.1	35
40	Agroinoculation of the Crinivirus, Lettuce infectious yellows virus, for systemic plant infection. Virology, 2009, 392, 131-136.	1.1	35
41	A Heterogeneous Population of Defective RNAs Is Associated with Lettuce infectious yellows virus. Virology, 2000, 271, 205-212.	1.1	34
42	Genetic Variation and Possible Mechanisms Driving the Evolution of Worldwide <i>Fig mosaic virus</i> Isolates. Phytopathology, 2014, 104, 108-114.	1.1	33
43	Transient Expression of Tetrameric Recombinant Human Butyrylcholinesterase in Nicotiana benthamiana. Frontiers in Plant Science, 2016, 7, 743.	1.7	33
44	Nucleotide sequence and RNA hybridization analyses reveal an ambisense coding strategy for maize stripe virus RNA3. Virology, 1991, 182, 47-53.	1.1	32
45	A Small RNA Resembling the Beet Western Yellows Luteovirus ST9-Associated RNA Is a Component of the California Carrot Motley Dwarf Complex. Phytopathology, 1998, 88, 164-170.	1.1	32
46	Synergistic interaction between the Potyvirus, Turnip mosaic virus and the Crinivirus, Lettuce infectious yellows virus in plants and protoplasts. Virus Research, 2009, 144, 163-170.	1.1	32
47	Plant Virus-Vector Interactions: More Than Just for Virus Transmission. , 2016, , 217-240.		31
48	Direct evidence for the semipersistent transmission of Cucurbit chlorotic yellows virus by a whitefly vector. Scientific Reports, 2016, 6, 36604.	1.6	30
49	Comparative cytopathology of Crinivirus infections in different plant hosts. Annals of Applied Biology, 2003, 143, 99-110.	1.3	29
50	Maize stripe tenuivirus RNA2 transcripts in plant and insect hosts and analysis of pvc2, a protein similar to the Phlebovirus virion membrane glycoproteins. Virus Genes, 1996, 12, 239-47.	0.7	28
51	Complete nucleotide sequences and genome characterization of a novel double-stranded RNA virus infecting Rosa multiflora. Archives of Virology, 2008, 153, 455-462.	0.9	28
52	Systemic Insecticides and Plant Age Affect Beet Curly Top Virus Transmission to Selected Host Plants. Plant Disease, 1999, 83, 351-355.	0.7	27
53	Quantitative Analysis of Efficient Endogenous Gene Silencing in Nicotiana benthamiana Plants Using Tomato bushy stunt virus Vectors That Retain the Capsid Protein Gene. Molecular Plant-Microbe Interactions, 2007, 20, 609-618.	1.4	27
54	Fig mosaic virus mRNAs show generation by cap-snatching. Virology, 2012, 426, 162-166.	1.1	27

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55	RNA interference is induced in the glassy winged sharpshooter <i>Homalodisca vitripennis</i> by actin dsRNA. Pest Management Science, 2012, 68, 995-1002.	1.7	25
56	Small RNA populations for two unrelated viruses exhibit different biases in strand polarity and proximity to terminal sequences in the insect host Homalodisca vitripennis. Virology, 2013, 442, 12-19.	1.1	25
57	Complete sequence of three different biotypes of tomato spotted wilt virus (wild type, tomato Sw-5) Tj ETQq1 1 0.784314 rgBT /Overlo 2117-2123.	0.9	25
58	<i>Agrobacterium tumefaciens</i> mediated transient expression of plant cell wallâ€degrading enzymes in detached sunflower leaves. Biotechnology Progress, 2014, 30, 905-915.	1.3	24
59	Sequence Analysis of DNA Fragments from the Genome of the Primary Endosymbiont of the Whitefly Bemisia tabaci. Current Microbiology, 2004, 48, 77-81.	1.0	23
60	Optimization of the bioprocessing conditions for scaleâ€up of transient production of a heterologous protein in plants using a chemically inducible viral amplicon expression system. Biotechnology Progress, 2009, 25, 722-734.	1.3	23
61	Highâ€Level Transient Production of a Heterologous Protein in Plants by Optimizing Induction of a Chemically Inducible Viral Amplicon Expression System. Biotechnology Progress, 2007, 23, 1277-1285.	1.3	22
62	Chimeric cDNA Sequences from Citrus tristeza virus Confer RNA Silencing-Mediated Resistance in Transgenic Nicotiana benthamiana Plants. Phytopathology, 2006, 96, 819-827.	1.1	20
63	Bemisia tabaci transmission of specific Lettuce infectious yellows virus genotypes derived from in vitro synthesized transcript-inoculated protoplasts. Virology, 2006, 352, 209-215.	1.1	20
64	Rose spring dwarf-associated virus has RNA structural and gene-expression features like those of Barley yellow dwarf virus. Virology, 2008, 375, 354-360.	1.1	20
65	Identification and Partial Characterization of a New Luteovirus Associated with Rose Spring Dwarf Disease. Plant Disease, 2008, 92, 508-512.	0.7	20
66	Identification and sequence analysis of the maize stripe virus major noncapsid protein gene. Virology, 1990, 179, 862-866.	1.1	19
67	Beet Western Yellows Luteovirus Capsid Proteins Produced by Recombinant Baculoviruses Assemble into Virion-like Particles in Cells and Larvae of Bombyx mori. Virology, 1995, 213, 204-212.	1.1	19
68	The Satellite RNA of Barley Yellow Dwarf Virus-RPV Is Supported by Beet Western Yellows Virus in Dicotyledonous Protoplasts and Plants. Virology, 1997, 231, 182-191.	1.1	19
69	The Two Capsid Proteins of Maize Rayado Fino Virus Contain Common Peptide Sequences. Intervirology, 1986, 25, 111-116.	1.2	18
70	Lettuce infectious yellows virus-encoded P26 induces plasmalemma deposit cytopathology. Virology, 2009, 388, 212-220.	1.1	17
71	Lettuce infectious yellows virus (LIYV) RNA 1-encoded P34 is an RNA-binding protein and exhibits perinuclear localization. Virology, 2010, 403, 67-77.	1.1	17
72	A Distinct, Non-Virion Plant Virus Movement Protein Encoded by a Crinivirus Essential for Systemic Infection. MBio, 2018, 9, .	1.8	17

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73	Green Fluorescent Protein Expression from Recombinant Lettuce Infectious Yellows Virus-Defective RNAs Originating from RNA 2. Virology, 2001, 289, 54-62.	1.1	16
74	Complete Genome Sequence of a Putative Densovirus of the Asian Citrus Psyllid, <i>Diaphorina citri</i>. Genome Announcements, 2016, 4, .	0.8	16
75	cis preferential replication of Lettuce infectious yellows virus (LIYV) RNA 1: The initial step in the asynchronous replication of the LIYV genomic RNAs. Virology, 2009, 386, 217-223.	1.1	15
76	Construction of Agrobacterium tumefaciens -mediated tomato black ring virus infectious cDNA clones. Virus Research, 2017, 230, 59-62.	1.1	15
77	Sequencing and De Novo Assembly of the Transcriptome of the Glassy-Winged Sharpshooter (Homalodisca vitripennis). PLoS ONE, 2013, 8, e81681.	1.1	15
78	Bipartite and tripartite Cucumber mosaic virus-based vectors for producing the Acidothermus cellulolyticus endo-1,4-Î²-glucanase and other proteins in non-transgenic plants. BMC Biotechnology, 2012, 12, 66.	1.7	14
79	Two Crinivirus-specific proteins of Lettuce infectious yellows virus (LIYV), P26 and P9, are self-interacting. Virus Research, 2009, 145, 293-299.	1.1	12
80	De novo generation of Lettuce infectious yellows virus defective RNAs in protoplasts. Molecular Plant Pathology, 2002, 3, 321-327.	2.0	11
81	Complete Genome Sequence of the Largest Known Flavi-Like Virus, <i>Diaphorina citri flavi-like virus</i> , a Novel Virus of the Asian Citrus Psyllid, <i>Diaphorina citri</i>. Genome Announcements, 2016, 4, .	0.8	11
82	Inspirations on Virus Replication and Cell-to-Cell Movement from Studies Examining the Cytopathology Induced by Lettuce infectious yellows virus in Plant Cells. Frontiers in Plant Science, 2017, 8, 1672.	1.7	11
83	Complete Genome Sequence of <i>Diaphorina citri-associated C virus</i> , a Novel Putative RNA Virus of the Asian Citrus Psyllid, <i>Diaphorina citri</i>. Genome Announcements, 2016, 4, .	0.8	10
84	Accumulation of 24 nucleotide transgeneâ€derived siRNAs is associated with crinivirus immunity in transgenic plants. Molecular Plant Pathology, 2018, 19, 2236-2247.	2.0	10
85	Efficient Protein Expression and Virus-Induced Gene Silencing in Plants Using a Crinivirus-Derived Vector. Viruses, 2018, 10, 216.	1.5	10
86	Detection and absolute quantitation of Tomato torrado virus (ToTV) by real time RT-PCR. Journal of Virological Methods, 2015, 221, 90-94.	1.0	8
87	The <i>Torradovirus</i>â€specific RNA2â€ORF1 protein is necessary for plant systemic infection. Molecular Plant Pathology, 2018, 19, 1319-1331.	2.0	8
88	Enhancement of Recombinant Protein Production in Transgenic Nicotiana benthamiana Plant Cell Suspension Cultures with Co-Cultivation of Agrobacterium Containing Silencing Suppressors. International Journal of Molecular Sciences, 2018, 19, 1561.	1.8	8
89	Two Crinivirus-Conserved Small Proteins, P5 and P9, Are Indispensable for Efficient Lettuce infectious yellows virus Infectivity in Plants. Viruses, 2018, 10, 459.	1.5	6
90	Residues R¹⁹² and K²²⁵ in RNA-Binding Pocket of Tobacco Vein Banding Mosaic Virus CP Control Virus Cell-to-Cell Movement and Replication. Molecular Plant-Microbe Interactions, 2021, 34, 658-668.	1.4	6

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91	CHARACTERIZATION OF HOVI-MEH1, A MICROSOMAL EPOXIDE HYDROLASE FROM THE GLASSY-WINGED SHARPSHOOTERHomalodisca vitripennis. Archives of Insect Biochemistry and Physiology, 2013, 83, 171-179.	0.6	5
92	Molecular and biological characterization of highly infectious transcripts from full-length cDNA clones of broad bean wilt virus 1. Virus Research, 2016, 217, 71-75.	1.1	4
93	Identification of Novel and Conserved microRNAs in Homalodisca vitripennis, the Glassy-Winged Sharpshooter by Expression Profiling. PLoS ONE, 2015, 10, e0139771.	1.1	4
94	<i>Tomato Bushy Stunt Virus</i> Recombination Guided by Introduced MicroRNA Target Sequences. Journal of Virology, 2009, 83, 10472-10479.	1.5	3
95	A new satellite RNA is associated with natural infections of cucumber mosaic virus in succulent snap bean. Archives of Virology, 2012, 157, 375-377.	0.9	2
96	Sequence polymorphism in an insect RNA virus field population: A snapshot from a single point in space and time reveals stochastic differences among and within individual hosts. Virology, 2016, 498, 209-217.	1.1	1
97	A predicted stem-loop in coat protein-coding sequencing of tobacco vein banding mosaic virus is required for efficient replication. Phytopathology, 2021, , .	1.1	1
98	Virus-Resistant Crops and Trees. , 2014, , 155-168.		0