

Richard Jm Kormelink

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111 papers	4,784 citations	39 h-index	66 g-index
116 ext. papers	5,641 ext. citations	4.8 avg, IF	5.33 L-index

#	Paper	IF	Citations
111	Multiplication of tomato spotted wilt virus in its insect vector, <i>Frankliniella occidentalis</i> . <i>Journal of General Virology</i> , 1993 , 74 (Pt 3), 341-9	4.9	202
110	Tomato spotted wilt virus L RNA encodes a putative RNA polymerase. <i>Journal of General Virology</i> , 1991 , 72 (Pt 9), 2207-16	4.9	201
109	The Tomato Yellow Leaf Curl Virus resistance genes Ty-1 and Ty-3 are allelic and code for DFDGD-class RNA-dependent RNA polymerases. <i>PLoS Genetics</i> , 2013 , 9, e1003399	6	187
108	Expression and subcellular location of the NSM protein of tomato spotted wilt virus (TSWV), a putative viral movement protein. <i>Virology</i> , 1994 , 200, 56-65	3.6	185
107	The nonstructural NSm protein of tomato spotted wilt virus induces tubular structures in plant and insect cells. <i>Virology</i> , 1995 , 214, 485-93	3.6	170
106	The nucleotide sequence of the M RNA segment of tomato spotted wilt virus, a bunyavirus with two ambisense RNA segments. <i>Journal of General Virology</i> , 1992 , 73 (Pt 11), 2795-804	4.9	154
105	Classification of tospoviruses based on phylogeny of nucleoprotein gene sequences. <i>Journal of General Virology</i> , 1993 , 74 (Pt 2), 153-9	4.9	151
104	Negative-strand RNA viruses: the plant-infecting counterparts. <i>Virus Research</i> , 2011 , 162, 184-202	6.4	133
103	Dominant resistance against plant viruses. <i>Frontiers in Plant Science</i> , 2014 , 5, 307	6.2	130
102	Functional entry of baculovirus into insect and mammalian cells is dependent on clathrin-mediated endocytosis. <i>Journal of Virology</i> , 2006 , 80, 8830-3	6.6	124
101	The nonstructural protein (NSs) encoded by the ambisense S RNA segment of tomato spotted wilt virus is associated with fibrous structures in infected plant cells. <i>Virology</i> , 1991 , 181, 459-68	3.6	111
100	Molecular and serological characterization of iris yellow spot virus, a new and distinct tospovirus species. <i>Phytopathology</i> , 1998 , 88, 1276-82	3.8	110
99	Taxonomy of the family Arenaviridae and the order Bunyavirales: update 2018. <i>Archives of Virology</i> , 2018 , 163, 2295-2310	2.6	108
98	Tomato yellow leaf curl virus resistance by Ty-1 involves increased cytosine methylation of viral genomes and is compromised by cucumber mosaic virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12942-7	11.5	106
97	Diverging affinity of tospovirus RNA silencing suppressor proteins, NSs, for various RNA duplex molecules. <i>Journal of Virology</i> , 2010 , 84, 11542-54	6.6	87
96	Generation of envelope and defective interfering RNA mutants of tomato spotted wilt virus by mechanical passage. <i>Journal of General Virology</i> , 1991 , 72 (Pt 10), 2375-83	4.9	82
95	Increase of tospoviral diversity in Brazil with the identification of two new tospovirus species, one from chrysanthemum and one from zucchini. <i>Phytopathology</i> , 1999 , 89, 823-30	3.8	79

94	Characterization of a Tospovirus Isolate of Iris Yellow Spot Virus Associated with a Disease in Onion Fields in Brazil. <i>Plant Disease</i> , 1999 , 83, 345-350	1.5	77
93	Taxonomy of the order Bunyavirales: second update 2018. <i>Archives of Virology</i> , 2019 , 164, 927-941	2.6	76
92	Tomato spotted wilt virus particle morphogenesis in plant cells. <i>Journal of Virology</i> , 1999 , 73, 2288-97	6.6	73
91	Distinct levels of relationships between tospovirus isolates. <i>Archives of Virology</i> , 1993 , 128, 211-27	2.6	70
90	Resistance to Tospoviruses in Vegetable Crops: Epidemiological and Molecular Aspects. <i>Annual Review of Phytopathology</i> , 2016 , 54, 347-71	10.8	68
89	Tobacco plants respond to the constitutive expression of the tospovirus movement protein NS(M) with a heat-reversible sealing of plasmodesmata that impairs development. <i>Plant Journal</i> , 2005 , 43, 688-707	6.0	64
88	In vivo analysis of the TSWV cap-snatching mechanism: single base complementarity and primer length requirements. <i>EMBO Journal</i> , 2001 , 20, 2545-52	13	62
87	A comparison of two methods of microinjection for assessing altered plasmodesmal gating in tissues expressing viral movement proteins. <i>Plant Journal</i> , 2002 , 13, 131-140	6.9	61
86	Tsw gene-based resistance is triggered by a functional RNA silencing suppressor protein of the Tomato spotted wilt virus. <i>Molecular Plant Pathology</i> , 2013 , 14, 405-15	5.7	60
85	Chromosomal rearrangements between tomato and Solanum chilense hamper mapping and breeding of the TYLCV resistance gene Ty-1. <i>Plant Journal</i> , 2011 , 68, 1093-103	6.9	58
84	Identification and characterization of a novel tospovirus species using a new RT-PCR approach. <i>Archives of Virology</i> , 2001 , 146, 265-78	2.6	58
83	Analysis of Tomato spotted wilt virus NSs protein indicates the importance of the N-terminal domain for avirulence and RNA silencing suppression. <i>Molecular Plant Pathology</i> , 2014 , 15, 185-95	5.7	57
82	The NS3 protein of rice hoja blanca virus complements the RNAi suppressor function of HIV-1 Tat. <i>EMBO Reports</i> , 2009 , 10, 258-63	6.5	56
81	A new tomato-infecting tospovirus from iran. <i>Phytopathology</i> , 2005 , 95, 852-8	3.8	56
80	The Tomato spotted wilt virus cell-to-cell movement protein (NSM) triggers a hypersensitive response in Sw-5-containing resistant tomato lines and in Nicotiana benthamiana transformed with the functional Sw-5b resistance gene copy. <i>Molecular Plant Pathology</i> , 2014 , 15, 871-80	5.7	55
79	Tomato spotted wilt virus nucleocapsid protein interacts with both viral glycoproteins Gn and Gc in planta. <i>Virology</i> , 2009 , 383, 121-30	3.6	54
78	Characterization of a Distinct Isolate of Tomato Spotted Wilt Virus (TSWV) from Impatiens sp. in The Netherlands. <i>Journal of Phytopathology</i> , 1992 , 134, 133-151	1.8	53
77	Binding of Tomato Spotted Wilt Virus to a 94-kDa Thrips Protein. <i>Phytopathology</i> , 1998 , 88, 63-9	3.8	52

76	A distinct tospovirus causing necrotic streak on <i>Alstroemeria</i> sp. in Colombia. <i>Archives of Virology</i> , 2010 , 155, 423-8	2.6	49
75	Non-viral heterogeneous sequences at the 5' ends of tomato spotted wilt virus mRNAs. <i>Journal of General Virology</i> , 1992 , 73 (Pt 8), 2125-8	4.9	49
74	Tomato spotted wilt virus glycoproteins exhibit trafficking and localization signals that are functional in mammalian cells. <i>Journal of Virology</i> , 2001 , 75, 1004-12	6.6	47
73	The nucleotide sequence of the S RNA of <i>Impatiens</i> necrotic spot virus, a novel tospovirus. <i>FEBS Letters</i> , 1992 , 306, 27-32	3.8	45
72	Tomato spotted wilt virus glycoproteins induce the formation of endoplasmic reticulum- and Golgi-derived pleomorphic membrane structures in plant cells. <i>Journal of General Virology</i> , 2008 , 89, 1811-1818	4.9	38
71	Tomato spotted wilt virus transcriptase in vitro displays a preference for cap donors with multiple base complementarity to the viral template. <i>Virology</i> , 2005 , 335, 122-30	3.6	36
70	Base-pairing promotes leader selection to prime in vitro influenza genome transcription. <i>Virology</i> , 2011 , 409, 17-26	3.6	35
69	Tomato spotted wilt virus Gc and N proteins interact in vivo. <i>Virology</i> , 2007 , 357, 115-23	3.6	35
68	Rescue of tomato spotted wilt virus entirely from complementary DNA clones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1181-1190	11.5	34
67	Development of a locus-specific, co-dominant SCAR marker for assisted-selection of the Sw-5 (Tospovirus resistance) gene cluster in a wide range of tomato accessions. <i>Molecular Breeding</i> , 2010 , 25, 133-142	3.4	33
66	Virus Latency and the Impact on Plants. <i>Frontiers in Microbiology</i> , 2019 , 10, 2764	5.7	33
65	Tomato spotted wilt virus S-segment mRNAs have overlapping 3' ends containing a predicted stem-loop structure and conserved sequence motif. <i>Virus Research</i> , 2005 , 110, 125-31	6.4	32
64	Viral RNA Silencing Suppression: The Enigma of Bunyavirus NSs Proteins. <i>Viruses</i> , 2016 , 8,	6.2	31
63	Genetic organisation of Iris yellow spot virus M RNA: indications for functional homology between the G(C) glycoproteins of tospoviruses and animal-infecting bunyaviruses. <i>Archives of Virology</i> , 2002 , 147, 2313-25	2.6	30
62	Purified tomato spotted wilt virus particles support both genome replication and transcription in vitro. <i>Virology</i> , 2002 , 303, 278-86	3.6	30
61	Viral RNA synthesis in tomato spotted wilt virus-infected <i>Nicotiana rustica</i> plants. <i>Journal of General Virology</i> , 1992 , 73 (Pt 3), 687-93	4.9	30
60	A protoplast system for studying tomato spotted wilt virus infection. <i>Journal of General Virology</i> , 1997 , 78 (Pt 7), 1755-63	4.9	29
59	Cell death triggering and effector recognition by Sw-5 SD-CNL proteins from resistant and susceptible tomato isolines to Tomato spotted wilt virus. <i>Molecular Plant Pathology</i> , 2016 , 17, 1442-1454	5.7	29

58	Analysis of the Tomato spotted wilt virus ambisense S RNA-encoded hairpin structure in translation. <i>PLoS ONE</i> , 2012 , 7, e31013	3.7	28
57	Feasibility of Cowpea chlorotic mottle virus-like particles as scaffold for epitope presentations. <i>BMC Biotechnology</i> , 2015 , 15, 80	3.5	27
56	Alfalfa mosaic virus RNAs serve as cap donors for tomato spotted wilt virus transcription during coinfection of <i>Nicotiana benthamiana</i> . <i>Journal of Virology</i> , 1999 , 73, 5172-5	6.6	27
55	Analysis of Tospovirus NSs Proteins in Suppression of Systemic Silencing. <i>PLoS ONE</i> , 2015 , 10, e0134517	3.7	26
54	Molecular and biological comparison of two Tomato yellow ring virus (TYRV) isolates: challenging the Tospovirus species concept. <i>Archives of Virology</i> , 2007 , 152, 85-96	2.6	25
53	Plant Viruses in Plant Molecular Pharming: Toward the Use of Enveloped Viruses. <i>Frontiers in Plant Science</i> , 2019 , 10, 803	6.2	24
52	Preferential use of RNA leader sequences during influenza A transcription initiation in vivo. <i>Virology</i> , 2011 , 409, 27-32	3.6	24
51	Application of Phage Display in Selecting Tomato spotted wilt virus-Specific Single-Chain Antibodies (scFvs) for Sensitive Diagnosis in ELISA. <i>Phytopathology</i> , 2000 , 90, 183-90	3.8	24
50	Assessing the genetic variation of - and - alleles conferring resistance to tomato yellow leaf curl virus in a broad tomato germplasm. <i>Molecular Breeding</i> , 2015 , 35, 132	3.4	23
49	Effects of Temperature and Host on the Generation of Tomato Spotted Wilt Virus Defective Interfering RNAs. <i>Phytopathology</i> , 1997 , 87, 1168-73	3.8	23
48	Requirements for ER-arrest and sequential exit to the golgi of Tomato spotted wilt virus glycoproteins. <i>Traffic</i> , 2009 , 10, 664-72	5.7	22
47	Nucleotide sequence of two soybean ENOD2 early nodulin genes encoding Ngm-75. <i>Plant Molecular Biology</i> , 1990 , 14, 103-6	4.6	22
46	Paving the Way to Tospovirus Infection: Multilined Interplays with Plant Innate Immunity. <i>Annual Review of Phytopathology</i> , 2019 , 57, 41-62	10.8	21
45	Bluetongue, Schmallenberg - what is next? Culicoides-borne viral diseases in the 21st Century. <i>BMC Veterinary Research</i> , 2014 , 10, 77	2.7	20
44	RNAi-mediated transgenic Tospovirus resistance broken by intraspecies silencing suppressor protein complementation. <i>Molecular Plant-Microbe Interactions</i> , 2009 , 22, 1250-7	3.6	20
43	Transgenic tobacco plants expressing the putative movement protein of tomato spotted wilt tospovirus exhibit aberrations in growth and appearance. <i>Transgenic Research</i> , 1997 , 6, 245-251	3.3	20
42	The cytoplasmic domain of tomato spotted wilt virus Gn glycoprotein is required for Golgi localisation and interaction with Gc. <i>Virology</i> , 2007 , 363, 272-9	3.6	20
41	The cytosolic nucleoprotein of the plant-infecting bunyavirus tomato spotted wilt recruits endoplasmic reticulum-resident proteins to endoplasmic reticulum export sites. <i>Plant Cell</i> , 2013 , 25, 3602-14	11.6	18

40	Genome packaging of the Bunyavirales. <i>Current Opinion in Virology</i> , 2018 , 33, 151-155	7.5	18
39	Grafting on a Non-Transgenic Tolerant Tomato Variety Confers Resistance to the Infection of a Sw5-Breaking Strain of Tomato spotted wilt virus via RNA Silencing. <i>PLoS ONE</i> , 2015 , 10, e0141319	3.7	17
38	The use of fluorescence microscopy to visualise homotypic interactions of tomato spotted wilt virus nucleocapsid protein in living cells. <i>Journal of Virological Methods</i> , 2005 , 125, 15-22	2.6	17
37	The Gene Cluster: Tomato Breeding and Research Toward Orthotospovirus Disease Control. <i>Frontiers in Plant Science</i> , 2018 , 9, 1055	6.2	16
36	Molecular characterization of tomato spotted Wilt virus defective interfering RNAs and detection of truncated L proteins. <i>Virology</i> , 1998 , 248, 342-56	3.6	15
35	Molecular characterization of the full-length L and M RNAs of Tomato yellow ring virus, a member of the genus Tospovirus. <i>Virus Genes</i> , 2013 , 46, 487-95	2.3	14
34	Analysis of the A-U rich hairpin from the intergenic region of tospovirus S RNA as target and inducer of RNA silencing. <i>PLoS ONE</i> , 2014 , 9, e106027	3.7	14
33	Ty-1, a universal resistance gene against geminiviruses that is compromised by co-replication of a betasatellite. <i>Molecular Plant Pathology</i> , 2020 , 21, 160-172	5.7	12
32	The NLR Protein Encoded by the Resistance Gene Is Triggered by the Replication-Associated Protein Rep/C1 of Tomato Yellow Leaf Curl Virus. <i>Frontiers in Plant Science</i> , 2020 , 11, 545306	6.2	11
31	Biochemical analysis of NSs from different tospoviruses. <i>Virus Research</i> , 2017 , 242, 149-155	6.4	10
30	Alstroemeria yellow spot virus (AYSV): a new orthotospovirus species within a growing Eurasian clade. <i>Archives of Virology</i> , 2019 , 164, 117-126	2.6	10
29	Identification and characterization of two RNA silencing suppressors encoded by ophioviruses. <i>Virus Research</i> , 2017 , 235, 96-105	6.4	9
28	Inherent properties not conserved in other tenuiviruses increase priming and realignment cycles during transcription of Rice stripe virus. <i>Virology</i> , 2016 , 496, 287-298	3.6	9
27	Generic RT-PCR tests for detection and identification of tospoviruses. <i>Journal of Virological Methods</i> , 2016 , 233, 89-96	2.6	9
26	The complete nucleotide sequence of chrysanthemum stem necrosis virus. <i>Archives of Virology</i> , 2015 , 160, 605-8	2.6	8
25	Tomato necrotic ring virus (TNRV), a recently described tospovirus species infecting tomato and pepper in Thailand. <i>European Journal of Plant Pathology</i> , 2011 , 130, 449-456	2.1	8
24	Tomato spotted wilt virus particle assembly and the prospects of fluorescence microscopy to study protein-protein interactions involved. <i>Advances in Virus Research</i> , 2005 , 65, 63-120	10.7	8
23	A functional investigation of the suppression of CpG and UpA dinucleotide frequencies in plant RNA virus genomes. <i>Scientific Reports</i> , 2019 , 9, 18359	4.9	8

22	Defenses against Virus and Vector: A Phloem-Biological Perspective on RTM- and SLI1-Mediated Resistance to Potyviruses and Aphids. <i>Viruses</i> , 2020 , 12,	6.2	7
21	The NSm proteins of phylogenetically related tospoviruses trigger Sw-5b-mediated resistance dissociated of their cell-to-cell movement function. <i>Virus Research</i> , 2017 , 240, 25-34	6.4	7
20	The Cap Snatching of Segmented Negative Sense RNA Viruses as a Tool to Map the Transcription Start Sites of Heterologous Co-infecting Viruses. <i>Frontiers in Microbiology</i> , 2017 , 8, 2519	5.7	7
19	Serological comparison of tospoviruses with polyclonal antibodies produced against the main structural proteins of tomato spotted wilt virus. <i>Archives of Virology</i> , 1997 , 142, 781-93	2.6	7
18	Expression of the movement protein of Tomato spotted wilt virus in its insect vector <i>Frankliniella occidentalis</i> . <i>Archives of Virology</i> , 2002 , 147, 825-31	2.6	7
17	The Bunyavirales: The Plant-Infecting Counterparts. <i>Viruses</i> , 2021 , 13,	6.2	7
16	Cellular RNA Hubs: Friends and Foes of Plant Viruses. <i>Molecular Plant-Microbe Interactions</i> , 2020 , 33, 40-54	3.6	7
15	In vitro transcription of Tomato spotted wilt virus is independent of translation. <i>Journal of General Virology</i> , 2004 , 85, 1335-1338	4.9	6
14	Identification and characterization of a new class of Tomato spotted wilt virus isolates that break Tsw-based resistance in a temperature-dependent manner. <i>Plant Pathology</i> , 2019 , 68, 60-71	2.8	6
13	Tomato Chlorotic Spot Virus (TCSV) Putatively Incorporated a Genomic Segment of Groundnut Ringspot Virus (GRSV) Upon a Reassortment Event. <i>Viruses</i> , 2019 , 11,	6.2	4
12	Members of the ribosomal protein S6 (RPS6) family act as pro-viral factor for tomato spotted wilt orthotospovirus infectivity in <i>Nicotiana benthamiana</i> .. <i>Molecular Plant Pathology</i> , 2021 ,	5.7	3
11	Complete genomic sequence of a novel phytopathogenic Burkholderia phage isolated from fallen leaf compost. <i>Archives of Virology</i> , 2021 , 166, 313-316	2.6	3
10	DETECTION OF EIGHT DIFFERENT TOSPOVIRUS SPECIES BY A MONOCLONAL ANTIBODY AGAINST THE COMMON EPITOPE OF NSS PROTEIN. <i>Acta Horticulturae</i> , 2011 , 61-66	0.3	2
9	Small RNA Profiling of Susceptible and Resistant Encoding Tomato Plants Upon Tomato Yellow Leaf Curl Virus Infection. <i>Frontiers in Plant Science</i> , 2021 , 12, 757165	6.2	2
8	In memoriam--Richard M. Elliott (1954-2015). <i>Journal of General Virology</i> , 2015 , 96, 1975-1978	4.9	2
7	Survey of the response of 82 domestic landraces of <i>Zea mays</i> to cucumber mosaic virus (CMV) reveals geographical region-related resistance to CMV in Japan. <i>Plant Pathology</i> , 2018 , 67, 1401-1415	2.8	1
6	Infection of barley protoplasts with rice hoja blanca tenuivirus. Brief report. <i>Archives of Virology</i> , 1999 , 144, 2247-52	2.6	1
5	Multiplication of Tomato Spotted Wilt Virus in Western Flower Thrips 1995 , 157-161		1

4	Prospects for viruses infecting eukaryotic microalgae in biotechnology. <i>Biotechnology Advances</i> , 2021 , 54, 107790	17.8	1
3	Plant Resistance to Viruses: Natural Resistance Associated With Dominant Genes 2021 , 60-68		1
2	Antiviral RISC mainly targets viral mRNA but not genomic RNA of tospovirus. <i>PLoS Pathogens</i> , 2021 , 17, e1009757	7.6	0
1	Cucumber Mosaic Virus Infection in : A Conditional Mutualistic Symbiont?. <i>Frontiers in Microbiology</i> , 2021 , 12, 770925	5.7	