Richard Jm Kormelink

List of Publications by Year in Descending Order

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	Members of the ribosomal protein S6 (RPS6) family act as pro-viral factor for tomato spotted wilt orthotospovirus infectivity in Nicotiana benthamiana.. *Molecular Plant Pathology*, **2021**,	5.7	3
110	Small RNA Profiling of Susceptible and Resistant Encoding Tomato Plants Upon Tomato Yellow Leaf Curl Virus Infection. *Frontiers in Plant Science*, **2021**, 12, 757165	6.2	2
109	Cucumber Mosaic Virus Infection in : A Conditional Mutualistic Symbiont?. *Frontiers in Microbiology*, **2021**, 12, 770925	5.7	
108	The Bunyavirales: The Plant-Infecting Counterparts. *Viruses*, **2021**, 13,	6.2	7
107	Prospects for viruses infecting eukaryotic microalgae in biotechnology. *Biotechnology Advances*, **2021**, 54, 107790	17.8	1
106	Antiviral RISC mainly targets viral mRNA but not genomic RNA of tospovirus. *PLoS Pathogens*, **2021**, 17, e1009757	7.6	0
105	Complete genomic sequence of a novel phytopathogenic Burkholderia phage isolated from fallen leaf compost. *Archives of Virology*, **2021**, 166, 313-316	2.6	3
104	Plant Resistance to Viruses: Natural Resistance Associated With Dominant Genes **2021**, 60-68		1
103	Defenses against Virus and Vector: A Phloem-Biological Perspective on RTM- and SLI1-Mediated Resistance to Potyviruses and Aphids. *Viruses*, **2020**, 12,	6.2	7
102	Rescue of tomato spotted wilt virus entirely from complementary DNA clones. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 1181-1190	11.5	34
101	Ty-1, a universal resistance gene against geminiviruses that is compromised by co-replication of a betasatellite. *Molecular Plant Pathology*, **2020**, 21, 160-172	5.7	12
100	The NLR Protein Encoded by the Resistance Gene Is Triggered by the Replication-Associated Protein Rep/C1 of Tomato Yellow Leaf Curl Virus. *Frontiers in Plant Science*, **2020**, 11, 545306	6.2	11
99	Cellular RNA Hubs: Friends and Foes of Plant Viruses. *Molecular Plant-Microbe Interactions*, **2020**, 33, 40-54	3.6	7
98	Taxonomy of the order Bunyavirales: second update 2018. *Archives of Virology*, **2019**, 164, 927-941	2.6	76
97	Plant Viruses in Plant Molecular Pharming: Toward the Use of Enveloped Viruses. *Frontiers in Plant Science*, **2019**, 10, 803	6.2	24
96	Paving the Way to Tospovirus Infection: Multilined Interplays with Plant Innate Immunity. *Annual Review of Phytopathology*, **2019**, 57, 41-62	10.8	21
95	Tomato Chlorotic Spot Virus (TCSV) Putatively Incorporated a Genomic Segment of Groundnut Ringspot Virus (GRSV) Upon a Reassortment Event. *Viruses*, **2019**, 11,	6.2	4

94	Virus Latency and the Impact on Plants. *Frontiers in Microbiology*, **2019**, 10, 2764	5.7	33
93	A functional investigation of the suppression of CpG and UpA dinucleotide frequencies in plant RNA virus genomes. *Scientific Reports*, **2019**, 9, 18359	4.9	8
92	Alstroemeria yellow spot virus (AYSV): a new orthotospovirus species within a growing Eurasian clade. *Archives of Virology*, **2019**, 164, 117-126	2.6	10
91	Identification and characterization of a new class of Tomato spotted wilt virus isolates that break Tsw-based resistance in a temperature-dependent manner. *Plant Pathology*, **2019**, 68, 60-71	2.8	6
90	Survey of the response of 82 domestic landraces of Zea mays to cucumber mosaic virus (CMV) reveals geographical region-related resistance to CMV in Japan. *Plant Pathology*, **2018**, 67, 1401-1415	2.8	1
89	Taxonomy of the family Arenaviridae and the order Bunyavirales: update 2018. *Archives of Virology*, **2018**, 163, 2295-2310	2.6	108
88	Genome packaging of the Bunyavirales. *Current Opinion in Virology*, **2018**, 33, 151-155	7.5	18
87	The Gene Cluster: Tomato Breeding and Research Toward Orthotospovirus Disease Control. *Frontiers in Plant Science*, **2018**, 9, 1055	6.2	16
86	Identification and characterization of two RNA silencing suppressors encoded by ophioviruses. *Virus Research*, **2017**, 235, 96-105	6.4	9
85	Biochemical analysis of NSs from different tospoviruses. *Virus Research*, **2017**, 242, 149-155	6.4	10
84	The NSm proteins of phylogenetically related tospoviruses trigger Sw-5b-mediated resistance dissociated of their cell-to-cell movement function. *Virus Research*, **2017**, 240, 25-34	6.4	7
83	The Cap Snatching of Segmented Negative Sense RNA Viruses as a Tool to Map the Transcription Start Sites of Heterologous Co-infecting Viruses. *Frontiers in Microbiology*, **2017**, 8, 2519	5.7	7
82	Resistance to Tospoviruses in Vegetable Crops: Epidemiological and Molecular Aspects. *Annual Review of Phytopathology*, **2016**, 54, 347-71	10.8	68
81	Viral RNA Silencing Suppression: The Enigma of Bunyavirus NSs Proteins. *Viruses*, **2016**, 8,	6.2	31
80	Cell death triggering and effector recognition by Sw-5 SD-CNL proteins from resistant and susceptible tomato isolines to Tomato spotted wilt virus. *Molecular Plant Pathology*, **2016**, 17, 1442-1454	5.7	29
79	Inherent properties not conserved in other tenuiviruses increase priming and realignment cycles during transcription of Rice stripe virus. *Virology*, **2016**, 496, 287-298	3.6	9
78	Generic RT-PCR tests for detection and identification of tospoviruses. *Journal of Virological Methods*, **2016**, 233, 89-96	2.6	9
77	Assessing the genetic variation of - and - alleles conferring resistance to tomato yellow leaf curl virus in a broad tomato germplasm. *Molecular Breeding*, **2015**, 35, 132	3.4	23

76	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. *PLoS ONE*, **2015**, 10, e0141319	3.7	17
75	Feasibility of Cowpea chlorotic mottle virus-like particles as scaffold for epitope presentations. *BMC Biotechnology*, **2015**, 15, 80	3.5	27
74	The complete nucleotide sequence of chrysanthemum stem necrosis virus. *Archives of Virology*, **2015**, 160, 605-8	2.6	8
73	Analysis of Tospovirus NSs Proteins in Suppression of Systemic Silencing. *PLoS ONE*, **2015**, 10, e0134517	3.7	26
72	In memoriam--Richard M. Elliott (1954-2015). *Journal of General Virology*, **2015**, 96, 1975-1978	4.9	2
71	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. *Molecular Plant Pathology*, **2014**, 15, 871-80	5.7	55
70	Tomato yellow leaf curl virus resistance by Ty-1 involves increased cytosine methylation of viral genomes and is compromised by cucumber mosaic virus infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 12942-7	11.5	106
69	Bluetongue, Schmallenberg - what is next? Culicoides-borne viral diseases in the 21st Century. *BMC Veterinary Research*, **2014**, 10, 77	2.7	20
68	Analysis of the A-U rich hairpin from the intergenic region of tospovirus S RNA as target and inducer of RNA silencing. *PLoS ONE*, **2014**, 9, e106027	3.7	14
67	Dominant resistance against plant viruses. *Frontiers in Plant Science*, **2014**, 5, 307	6.2	130
66	Analysis of Tomato spotted wilt virus NSs protein indicates the importance of the N-terminal domain for avirulence and RNA silencing suppression. *Molecular Plant Pathology*, **2014**, 15, 185-95	5.7	57
65	Molecular characterization of the full-length L and M RNAs of Tomato yellow ring virus, a member of the genus Tospovirus. *Virus Genes*, **2013**, 46, 487-95	2.3	14
64	The cytosolic nucleoprotein of the plant-infecting bunyavirus tomato spotted wilt recruits endoplasmic reticulum-resident proteins to endoplasmic reticulum export sites. *Plant Cell*, **2013**, 25, 3602-14	11.6	18
63	Tsw gene-based resistance is triggered by a functional RNA silencing suppressor protein of the Tomato spotted wilt virus. *Molecular Plant Pathology*, **2013**, 14, 405-15	5.7	60
62	The Tomato Yellow Leaf Curl Virus resistance genes Ty-1 and Ty-3 are allelic and code for DFDGD-class RNA-dependent RNA polymerases. *PLoS Genetics*, **2013**, 9, e1003399	6	187
61	Analysis of the Tomato spotted wilt virus ambisense S RNA-encoded hairpin structure in translation. *PLoS ONE*, **2012**, 7, e31013	3.7	28
60	Negative-strand RNA viruses: the plant-infecting counterparts. *Virus Research*, **2011**, 162, 184-202	6.4	133
59	DETECTION OF EIGHT DIFFERENT TOSPOVIRUS SPECIES BY A MONOCLONAL ANTIBODY AGAINST THE COMMON EPITOPE OF NSS PROTEIN. *Acta Horticulturae*, **2011**, 61-66	0.3	2

58	Chromosomal rearrangements between tomato and Solanum chilense hamper mapping and breeding of the TYLCV resistance gene Ty-1. *Plant Journal*, **2011**, 68, 1093-103	6.9	58
57	Base-pairing promotes leader selection to prime in vitro influenza genome transcription. *Virology*, **2011**, 409, 17-26	3.6	35
56	Preferential use of RNA leader sequences during influenza A transcription initiation in vivo. *Virology*, **2011**, 409, 27-32	3.6	24
55	Tomato necrotic ring virus (TNRV), a recently described tospovirus species infecting tomato and pepper in Thailand. *European Journal of Plant Pathology*, **2011**, 130, 449-456	2.1	8
54	Diverging affinity of tospovirus RNA silencing suppressor proteins, NSs, for various RNA duplex molecules. *Journal of Virology*, **2010**, 84, 11542-54	6.6	87
53	A distinct tospovirus causing necrotic streak on Alstroemeria sp. in Colombia. *Archives of Virology*, **2010**, 155, 423-8	2.6	49
52	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. *Molecular Breeding*, **2010** , 25, 133-142	3.4	33
51	Tomato spotted wilt virus nucleocapsid protein interacts with both viral glycoproteins Gn and Gc in planta. *Virology*, **2009**, 383, 121-30	3.6	54
50	The NS3 protein of rice hoja blanca virus complements the RNAi suppressor function of HIV-1 Tat. *EMBO Reports*, **2009**, 10, 258-63	6.5	56
49	Requirements for ER-arrest and sequential exit to the golgi of Tomato spotted wilt virus glycoproteins. *Traffic*, **2009**, 10, 664-72	5.7	22
48	RNAi-mediated transgenic Tospovirus resistance broken by intraspecies silencing suppressor protein complementation. *Molecular Plant-Microbe Interactions*, **2009**, 22, 1250-7	3.6	20
47	Tomato spotted wilt virus glycoproteins induce the formation of endoplasmic reticulum- and Golgi-derived pleomorphic membrane structures in plant cells. *Journal of General Virology*, **2008**, 89, 1811-1818	4.9	38
46	Tomato spotted wilt virus Gc and N proteins interact in vivo. *Virology*, **2007**, 357, 115-23	3.6	35
45	The cytoplasmic domain of tomato spotted wilt virus Gn glycoprotein is required for Golgi localisation and interaction with Gc. *Virology*, **2007**, 363, 272-9	3.6	20
44	Molecular and biological comparison of two Tomato yellow ring virus (TYRV) isolates: challenging the Tospovirus species concept. *Archives of Virology*, **2007**, 152, 85-96	2.6	25
43	Functional entry of baculovirus into insect and mammalian cells is dependent on clathrin-mediated endocytosis. *Journal of Virology*, **2006**, 80, 8830-3	6.6	124
42	Tomato spotted wilt virus particle assembly and the prospects of fluorescence microscopy to study protein-protein interactions involved. *Advances in Virus Research*, **2005**, 65, 63-120	10.7	8
41	Tomato spotted wilt virus S-segment mRNAs have overlapping 3′ ends containing a predicted stem-loop structure and conserved sequence motif. *Virus Research*, **2005**, 110, 125-31	6.4	32

40	Tobacco plants respond to the constitutive expression of the tospovirus movement protein NS(M) with a heat-reversible sealing of plasmodesmata that impairs development. *Plant Journal*, **2005**, 43, 688-707	6.9	64
39	The use of fluorescence microscopy to visualise homotypic interactions of tomato spotted wilt virus nucleocapsid protein in living cells. *Journal of Virological Methods*, **2005**, 125, 15-22	2.6	17
38	Tomato spotted wilt virus transcriptase in vitro displays a preference for cap donors with multiple base complementarity to the viral template. *Virology*, **2005**, 335, 122-30	3.6	36
37	A new tomato-infecting tospovirus from iran. *Phytopathology*, **2005**, 95, 852-8	3.8	56
36	In vitro transcription of Tomato spotted wilt virus is independent of translation. *Journal of General Virology*, **2004**, 85, 1335-1338	4.9	6
35	Genetic organisation of Iris yellow spot virus M RNA: indications for functional homology between the G(C) glycoproteins of tospoviruses and animal-infecting bunyaviruses. *Archives of Virology*, **2002**, 147, 2313-25	2.6	30
34	Expression of the movement protein of Tomato spotted wilt virus in its insect vector Frankliniella occidentalis. *Archives of Virology*, **2002**, 147, 825-31	2.6	7
33	A comparison of two methods of microinjection for assessing altered plasmodesmal gating in tissues expressing viral movement proteins. *Plant Journal*, **2002**, 13, 131-140	6.9	61
32	Purified tomato spotted wilt virus particles support both genome replication and transcription in vitro. *Virology*, **2002**, 303, 278-86	3.6	30
31	Identification and characterization of a novel tospovirus species using a new RT-PCR approach. *Archives of Virology*, **2001**, 146, 265-78	2.6	58
30	In vivo analysis of the TSWV cap-snatching mechanism: single base complementarity and primer length requirements. *EMBO Journal*, **2001**, 20, 2545-52	13	62
29	Tomato spotted wilt virus glycoproteins exhibit trafficking and localization signals that are functional in mammalian cells. *Journal of Virology*, **2001**, 75, 1004-12	6.6	47
28	Application of Phage Display in Selecting Tomato spotted wilt virus-Specific Single-Chain Antibodies (scFvs) for Sensitive Diagnosis in ELISA. *Phytopathology*, **2000**, 90, 183-90	3.8	24
27	Tomato spotted wilt virus particle morphogenesis in plant cells. *Journal of Virology*, **1999**, 73, 2288-97	6.6	73
26	Increase of tospoviral diversity in Brazil with the identification of two new tospovirus species, one from chrysanthemum and one from zucchini. *Phytopathology*, **1999**, 89, 823-30	3.8	79
25	Infection of barley protoplasts with rice hoja blanca tenuivirus. Brief report. *Archives of Virology*, **1999**, 144, 2247-52	2.6	1
24	Characterization of a Tospovirus Isolate of Iris Yellow Spot Virus Associated with a Disease in Onion Fields in Brazil. *Plant Disease*, **1999**, 83, 345-350	1.5	77
23	Alfalfa mosaic virus RNAs serve as cap donors for tomato spotted wilt virus transcription during coinfection of Nicotiana benthamiana. *Journal of Virology*, **1999**, 73, 5172-5	6.6	27

22	Molecular characterization of tomato spotted Wilt virus defective interfering RNAs and detection of truncated L proteins. *Virology*, **1998**, 248, 342-56	3.6	15
21	Molecular and serological characterization of iris yellow spot virus, a new and distinct tospovirus species. *Phytopathology*, **1998**, 88, 1276-82	3.8	110
20	Binding of Tomato Spotted Wilt Virus to a 94-kDa Thrips Protein. *Phytopathology*, **1998**, 88, 63-9	3.8	52
19	Effects of Temperature and Host on the Generation of Tomato Spotted Wilt Virus Defective Interfering RNAs. *Phytopathology*, **1997**, 87, 1168-73	3.8	23
18	Transgenic tobacco plants expressing the putative movement protein of tomato spotted wilt tospovirus exhibit aberrations in growth and appearance. *Transgenic Research*, **1997**, 6, 245-251	3.3	20
17	Serological comparison of tospoviruses with polyclonal antibodies produced against the main structural proteins of tomato spotted wilt virus. *Archives of Virology*, **1997**, 142, 781-93	2.6	7
16	A protoplast system for studying tomato spotted wilt virus infection. *Journal of General Virology*, **1997**, 78 (Pt 7), 1755-63	4.9	29
15	The nonstructural NSm protein of tomato spotted wilt virus induces tubular structures in plant and insect cells. *Virology*, **1995**, 214, 485-93	3.6	170
14	Multiplication of Tomato Spotted Wilt Virus in Western Flower Thrips **1995**, 157-161		1
13	Expression and subcellular location of the NSM protein of tomato spotted wilt virus (TSWV), a putative viral movement protein. *Virology*, **1994**, 200, 56-65	3.6	185
12	Classification of tospoviruses based on phylogeny of nucleoprotein gene sequences. *Journal of General Virology*, **1993**, 74 (Pt 2), 153-9	4.9	151
11	Multiplication of tomato spotted wilt virus in its insect vector, Frankliniella occidentalis. *Journal of General Virology*, **1993**, 74 (Pt 3), 341-9	4.9	202
10	Distinct levels of relationships between tospovirus isolates. *Archives of Virology*, **1993**, 128, 211-27	2.6	70
9	Non-viral heterogeneous sequences at the 5Ûends of tomato spotted wilt virus mRNAs. *Journal of General Virology*, **1992**, 73 (Pt 8), 2125-8	4.9	49
8	The nucleotide sequence of the S RNA of Impatiens necrotic spot virus, a novel tospovirus. *FEBS Letters*, **1992**, 306, 27-32	3.8	45
7	Characterization of a Distinct Isolate of Tomato Spotted Wilt Virus (TSWV) from Impatiens sp. in The Netherlands. *Journal of Phytopathology*, **1992**, 134, 133-151	1.8	53
6	The nucleotide sequence of the M RNA segment of tomato spotted wilt virus, a bunyavirus with two ambisense RNA segments. *Journal of General Virology*, **1992**, 73 (Pt 11), 2795-804	4.9	154
5	Viral RNA synthesis in tomato spotted wilt virus-infected Nicotiana rustica plants. *Journal of General Virology*, **1992**, 73 (Pt 3), 687-93	4.9	30

4	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. *Virology*, **1991**, 181, 459-68	3.6	111
3	Generation of envelope and defective interfering RNA mutants of tomato spotted wilt virus by mechanical passage. *Journal of General Virology*, **1991**, 72 (Pt 10), 2375-83	4.9	82
2	Tomato spotted wilt virus L RNA encodes a putative RNA polymerase. *Journal of General Virology*, **1991**, 72 (Pt 9), 2207-16	4.9	201
1	Nucleotide sequence of two soybean ENOD2 early nodulin genes encoding Ngm-75. *Plant Molecular Biology*, **1990**, 14, 103-6	4.6	22