Ralf G Dietzgen

List of Publications by Year
in descending order

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133 papers	6,680 citations	94433 37 h-index	71685 76 g-index
140 all docs	140 docs citations	140 times ranked	6220 citing authors

#	Article	IF	Citations
1	Cucumber MOSAIC Virus. Advances in Virus Research, 1992, 41, 281-348.	2.1	698
2	Taxonomy of the order Mononegavirales: update 2016. Archives of Virology, 2016, 161, 2351-2360.	2.1	407
3	pGD vectors: versatile tools for the expression of green and red fluorescent protein fusions in agroinfiltrated plant leaves. Plant Journal, 2002, 31, 375-383.	5.7	370
4	Biology of Plant Rhabdoviruses. Annual Review of Phytopathology, 2005, 43, 623-660.	7.8	249
5	Taxonomy of the order Mononegavirales: update 2019. Archives of Virology, 2019, 164, 1967-1980.	2.1	224
6	An Asparaginyl Endopeptidase Mediates in Vivo Protein Backbone Cyclization. Journal of Biological Chemistry, 2007, 282, 29721-29728.	3.4	207
7	ICTV Virus Taxonomy Profile: Rhabdoviridae. Journal of General Virology, 2018, 99, 447-448.	2.9	207
8	The family Rhabdoviridae: mono- and bipartite negative-sense RNA viruses with diverse genome organization and common evolutionary origins. Virus Research, 2017, 227, 158-170.	2.2	200
9	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2020, 165, 3023-3072.	2.1	184
10	Taxonomy of the order Mononegavirales: update 2017. Archives of Virology, 2017, 162, 2493-2504.	2.1	173
11	Plant Virusâ€“Insect Vector Interactions: Current and Potential Future Research Directions. Viruses, 2016, 8, 303.	3.3	161
12	Rhabdovirus accessory genes. Virus Research, 2011, 162, 110-125.	2.2	157
13	Taxonomy of the order Mononegavirales: update 2018. Archives of Virology, 2018, 163, 2283-2294.	2.1	153
14	The rhabdoviruses: Biodiversity, phylogenetics, and evolutionâ˜†. Infection, Genetics and Evolution, 2009, 9, 541-553.	2.3	152
15	Real-time RT-PCR fluorescent detection of tomato spotted wilt virus. Journal of Virological Methods, 2000, 88, 1-8.	2.1	116
16	Technoeconomic analysis of renewable aviation fuel from microalgae, Pongamia pinnata, and sugarcane. Biofuels, Bioproducts and Biorefining, 2013, 7, 416-428.	3.7	112
17	Detection of DNA and RNA plant viruses by PCR and RT-PCR using a rapid virus release protocol without tissue homogenization. Journal of Virological Methods, 1995, 54, 85-95.	2.1	102
18	Development of a multiplex immunocapture PCR with colourimetric detection for viruses of banana. Journal of Virological Methods, 2000, 89, 75-88.	2.1	93

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19	Isolation and functional characterization of a lycopene Î²-cyclase gene that controls fruit colour of papaya (Carica papaya L.). Journal of Experimental Botany, 2010, 61, 33-39.	4.8	93
20	Plant rhabdovirusesâ€"their origins and vector interactions. Current Opinion in Virology, 2018, 33, 198-207.	5.4	70
21	Taxonomy of the order Mononegavirales: second update 2018. Archives of Virology, 2019, 164, 1233-1244.	2.1	70
22	Tobacco mosaic virus particles contain ubiquitinated coat protein subunits. Virology, 1988, 165, 310-312.	2.4	65
23	A promoter from sugarcane bacilliform badnavirus drives transgene expression in banana and other monocot and dicot plants. Plant Molecular Biology, 1999, 39, 1221-1230.	3.9	65
24	Phytochemical extraction, characterisation and comparative distribution across four mango (Mangifera indica L.) fruit varieties. Food Chemistry, 2014, 149, 253-263.	8.2	65
25	Promoters for pregenomic RNA of banana streak badnavirus are active for transgene expression in monocot and dicot plants. Plant Molecular Biology, 2001, 47, 399-412.	3.9	63
26	Completion of the genome sequence of Lettuce necrotic yellows virus, type species of the genus Cytorhabdovirus. Virus Research, 2006, 118, 16-22.	2.2	62
27	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	2.1	62
28	Dichorhavirus: a proposed new genus for Brevipalpus mite-transmitted, nuclear, bacilliform, bipartite, negative-strand RNA plant viruses. Archives of Virology, 2014, 159, 607-619.	2.1	61
29	Diversity and epidemiology of plant rhabdoviruses. Virus Research, 2020, 281, 197942.	2.2	56
30	Complete genome sequence and integrated protein localization and interaction map for alfalfa dwarf virus, which combines properties of both cytoplasmic and nuclear plant rhabdoviruses. Virology, 2015, 483, 275-283.	2.4	54
31	Genome-enabled insights into the biology of thrips as crop pests. BMC Biology, 2020, 18, 142.	3.8	54
32	Plant rhabdoviruses: new insights and research needs in the interplay of negative-strand RNA viruses with plant and insect hosts. Archives of Virology, 2014, 159, 1889-1900.	2.1	51
33	Dichorhaviruses in their Host Plants and Mite Vectors. Advances in Virus Research, 2018, 102, 119-148.	2.1	51
34	Filovirus RefSeq Entries: Evaluation and Selection of Filovirus Type Variants, Type Sequences, and Names. Viruses, 2014, 6, 3663-3682.	3.3	49
35	Genetic diversity of the Australian National Mango Genebank. Scientia Horticulturae, 2013, 150, 213-226.	3.6	46
36	Construction of a Sonchus Yellow Net Virus Minireplicon: a Step toward Reverse Genetic Analysis of Plant Negative-Strand RNA Viruses. Journal of Virology, 2013, 87, 10598-10611.	3.4	46

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37	ICTV Virus Taxonomy Profile: Rhabdoviridae 2022. Journal of General Virology, 2022, 103, .	2.9	46
38	Illuminating the Plant Rhabdovirus Landscape through Metatranscriptomics Data. Viruses, 2021, 13, 1304.	3.3	45
39	Detection and profiling of circular RNAs in uninfected and maize Iranian mosaic virus-infected maize. Plant Science, 2018, 274, 402-409.	3.6	42
40	Peanut Stripe Potyvirus Resistance in Peanut (Arachis Hypogaea L.) Plants Carrying Viral Coat Protein Gene Sequences. Transgenic Research, 2004, 13, 59-67.	2.4	40
41	Cucumber mosaic virus Infection Transiently Breaks dsRNA-Induced Transgenic Immunity to Potato virus Y in Tobacco. Molecular Plant-Microbe Interactions, 2003, 16, 936-944.	2.6	39
42	Discovery of genes associated with fruit ripening in Carica papaya using expressed sequence tags. Plant Science, 2006, 170, 356-363.	3.6	38
43	Lettuce necrotic yellows cytorhabdovirus protein localization and interaction map, and comparison with nucleorhabdoviruses. Journal of General Virology, 2012, 93, 906-914.	2.9	37
44	Major Australian tropical fruits biodiversity: Bioactive compounds and their bioactivities. Molecular Nutrition and Food Research, 2012, 56, 357-387.	3.3	36
45	In planta localization and interactions of impatiens necrotic spot tospovirus proteins. Journal of General Virology, 2012, 93, 2490-2495.	2.9	34
46	Sexual Reproduction in the Citrus Black Spot Pathogen, Phyllosticta citricarpa. Phytopathology, 2017, 107, 732-739.	2.2	33
47	Virus species polemics: 14 senior virologists oppose a proposed change to the ICTV definition of virus species. Archives of Virology, 2013, 158, 1115-1119.	2.1	32
48	Cytorhabdovirus P3 genes encode 30K-like cell-to-cell movement proteins. Virology, 2016, 489, 20-33.	2.4	32
49	Mango fruit peel and flesh extracts affect adipogenesis in 3T3-L1 cells. Food and Function, 2012, 3, 828.	4.6	30
50	Expressed Sequence Tag-Simple Sequence Repeat (EST-SSR) Marker Resources for Diversity Analysis of Mango (Mangifera indica L.). Diversity, 2014, 6, 72-87.	1.7	30
51	Complete genome sequence of a new enamovirus from Argentina infecting alfalfa plants showing dwarfism symptoms. Archives of Virology, 2016, 161, 2029-2032.	2.1	30
52	A proposal to change existing virus species names to non-Latinized binomials. Archives of Virology, 2010, 155, 1909-1919.	2.1	29
53	Nyamiviridae: Proposal for a new family in the order Mononegavirales. Archives of Virology, 2013, 158, 2209-2226.	2.1	29
54	The Plant Negative-Sense RNA Virosphere: Virus Discovery Through New Eyes. Frontiers in Microbiology, 2020, 11, 588427.	3.5	29

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55	Cytorhabdovirus P protein suppresses RISC-mediated cleavage and RNA silencing amplification in planta. Virology, 2016, 490, 27-40.	2.4	28
56	Retrotransposon-like sequences integrated into the genome of pineapple, Ananas comosus. Plant Molecular Biology, 1998, 38, 461-465.	3.9	27
57	In Vivo Localization of Iris yellow spot Tospovirus (Bunyaviridae)-Encoded Proteins and Identification of Interacting Regions of Nucleocapsid and Movement Proteins. PLoS ONE, 2015, 10, e0118973.	2.5	27
58	Transcriptome Analysis of Capsicum Chlorosis Virus-Induced Hypersensitive Resistance Response in Bell Capsicum. PLoS ONE, 2016, 11, e0159085.	2.5	27
59	Efficient organogenesis of an Australian passionfruit hybrid (Passiflora edulis x Passiflora edulis var.) Tj ETQq1 1 0.784314 rgBT /Overl	0.6	26
60	Suppression of gene silencing: a threat to virus-resistant transgenic plants?. Trends in Plant Science, 2001, 6, 246-247.	8.8	26
61	Analysis of lettuce necrotic yellows virus structural proteins with monoclonal antibodies and concanavalin A. Virology, 1988, 166, 486-494.	2.4	24
62	Complete genome sequence and intracellular protein localization of Datura yellow vein nucleorhabdovirus. Virus Research, 2015, 205, 7-11.	2.2	24
63	Cytorhabdovirus phosphoprotein shows RNA silencing suppressor activity in plants, but not in insect cells. Virology, 2015, 476, 413-418.	2.4	24
64	A rapid field-based assay using recombinase polymerase amplification for identification of Thrips palmi, a vector of tospoviruses. Journal of Pest Science, 2021, 94, 219-229.	3.7	23
65	Sequence diversity and differential expression of major phenylpropanoid-flavonoid biosynthetic genes among three mango varieties. BMC Genomics, 2015, 16, 561.	2.8	22
66	Monoclonal Antibodies Against Plant Viruses. Advances in Virus Research, 1984, 29, 131-168.	2.1	21
67	Bioactivity of Mango Flesh and Peel Extracts on Peroxisome Proliferatorâ€Activated Receptor Î³ [PPARÎ³] Activation and MCFâ€7 Cell Proliferation: Fraction and Fruit Variability. Journal of Food Science, 2011, 76, H11-8.	3.1	21
68	Heterotrimeric G-proteins facilitate resistance to plant pathogenic viruses in Arabidopsis thaliana (L.) Heynh. Plant Signaling and Behavior, 2016, 11, e1212798.	2.4	21
69	Natural Defect of a Plant Rhabdovirus Glycoprotein Gene: A Case Study of Virusâ€“Plant Coevolution. Phytopathology, 2021, 111, 227-236.	2.2	21
70	Host range, symptom expression and RNA 3 sequence analyses of six Australian strains ofCucumber mosaic virus. Australasian Plant Pathology, 2004, 33, 505.	1.0	20
71	Diversity and evolutionary history of lettuce necrotic yellows virus in Australia and New Zealand. Archives of Virology, 2016, 161, 269-277.	2.1	20
72	Transcriptome-wide responses of adult melon thrips (Thrips palmi) associated with capsicum chlorosis virus infection. PLoS ONE, 2018, 13, e0208538.	2.5	20

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73	Genetics of Thrips palmi (Thysanoptera: Thripidae). Journal of Pest Science, 2020, 93, 27-39.	3.7	20
74	Viromes of Ten Alfalfa Plants in Australia Reveal Diverse Known Viruses and a Novel RNA Virus. Pathogens, 2020, 9, 214.	2.8	20
75	Tobacco mosaic virus coat protein and the large subunit of the host protein ribulose-1,5-bisphosphate carboxylase share a common antigenic determinant. Virology, 1986, 155, 262-266.	2.4	19
76	Estrogen modulation properties of mangiferin and quercetin and the mangiferin metabolite norathyriol. Food and Function, 2015, 6, 1847-1854.	4.6	18
77	Polyphenolic contents and the effects of methanol extracts from mango varieties on breast cancer cells. Food Science and Biotechnology, 2015, 24, 265-271.	2.6	17
78	Possibility and Challenges of Conversion of Current Virus Species Names to Linnaean Binomials. Systematic Biology, 2016, 66, syw096.	5.6	17
79	Evidence for a Third Taxonomic Subgroup of Peanut Stunt Virus from China. Plant Disease, 1998, 82, 992-998.	1.4	16
80	First complete genome sequence of a capsicum chlorosis tospovirus isolate from Australia with an unusually large S RNA intergenic region. Archives of Virology, 2015, 160, 869-872.	2.1	16
81	Intracellular Localization, Interactions and Functions of Capsicum Chlorosis Virus Proteins. Frontiers in Microbiology, 2017, 8, 612.	3.5	16
82	Distribution and genetic variability of alfalfa dwarf virus, a cytorhabdovirus associated with alfalfa dwarf disease in Argentina. Virus Genes, 2018, 54, 612-615.	1.6	16
83	Differentiation of Peanut Seedborne Potyviruses and Cucumoviruses by RT-PCR. Plant Disease, 2001, 85, 989-992.	1.4	15
84	Development of a Bio-PCR Protocol for the Detection of Xanthomonas arboricola pv. pruni. Plant Disease, 2011, 95, 1109-1115.	1.4	15
85	Alfalfa dwarf cytorhabdovirus P protein is a local and systemic RNA silencing supressor which inhibits programmed RISC activity and prevents transitive amplification of RNA silencing. Virus Research, 2016, 224, 19-28.	2.2	15
86	Changes in maize transcriptome in response to maize Iranian mosaic virus infection. PLoS ONE, 2018, 13, e0194592.	2.5	15
87	Development of Model Systems for Plant Rhabdovirus Research. Advances in Virus Research, 2018, 102, 23-57.	2.1	15
88	Mango Fruit Extracts Differentially Affect Proliferation and Intracellular Calcium Signalling in MCF-7 Human Breast Cancer Cells. Journal of Chemistry, 2015, 2015, 1-10.	1.9	14
89	Molecular characterization of a novel cytorhabdovirus with a unique genomic organization infecting yerba mate (Ilex paraguariensis) in Argentina. Archives of Virology, 2020, 165, 1475-1479.	2.1	14
90	Complete genome sequence of Colocasia bobone disease-associated virus, a putative cytorhabdovirus infecting taro. Archives of Virology, 2016, 161, 745-748.	2.1	13

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91	Use of Hairpin RNA Constructs for Engineering Plant Virus Resistance. Methods in Molecular Biology, 2012, 894, 191-208.	0.9	12
92	Gene expression and population polymorphism of maize Iranian mosaic virus in Zea mays, and intracellular localization and interactions of viral N, P, and M proteins in Nicotiana benthamiana. Virus Genes, 2018, 54, 290-296.	1.6	12
93	Pathogenicity of Phyllosticta citricarpa Ascospores on Citrus spp.. Plant Disease, 2018, 102, 1386-1393.	1.4	12
94	The Westward Journey of Alfalfa Leaf Curl Virus. Viruses, 2018, 10, 542.	3.3	12
95	Digoxigenin-Labeled cRNA Probes for the Detection of Two Potyviruses Infecting Peanut (Arachis) Tj ETQq1 1 0.784314 rgBT /Over	1.4	12
96	Inoculum Dynamics and Infection of Citrus Fruit by Phyllosticta citricarpa. Phytopathology, 2020, 110, 1680-1692.	2.2	12
97	Genome-Wide Analysis of Alternative Splicing in Zea mays during Maize Iranian Mosaic Virus Infection. Plant Molecular Biology Reporter, 2019, 37, 413-420.	1.8	11
98	Phyllosticta capitalensis and P. paracapitalensis are endophytic fungi that show potential to inhibit pathogenic P. citricarpa on citrus. Australasian Plant Pathology, 2019, 48, 281-296.	1.0	11
99	Alleged common antigenic determinant of tobacco mosaic virus coat protein and the host protein ribulose-1, 5-bisphosphate carâ˜ylase is an artifact of indirect ELISA and western blotting. Virology, 1991, 184, 397-398.	2.4	9
100	Letter to the Editor: Bean-Associated Cytorhabdovirus and Papaya Cytorhabdovirus are Strains of the Same Virus. Viruses, 2019, 11, 230.	3.3	9
101	Frontiers Approaches to the Diagnosis of Thrips (Thysanoptera): How Effective Are the Molecular and Electronic Detection Platforms?. Insects, 2021, 12, 920.	2.2	9
102	Cytorhabdovirus. , 2011, , 1709-1713.		9
103	Characterization of maize miRNAs responsive to maize Iranian mosaic virus infection. 3 Biotech, 2022, 12, 69.	2.2	9
104	Mango (Mangifera indica L.) peel extract fractions from different cultivars differentially affect lipid accumulation in 3T3-L1 adipocyte cells. Food and Function, 2013, 4, 481.	4.6	8
105	Progression of Watermelon Bud Necrosis Virus Infection in Its Vector, Thrips palmi. Cells, 2021, 10, 392.	4.1	8
106	First Report of Orchid fleck virus in Lilyturf (Liriope spicata) in Australia. Plant Disease, 2016, 100, 1028-1028.	1.4	8
107	Effects of Elevated Temperature on the Susceptibility of Capsicum Plants to Capsicum Chlorosis Virus Infection. Pathogens, 2022, 11, 200.	2.8	8
108	Completed sequence and corrected annotation of the genome of maize Iranian mosaic virus. Archives of Virology, 2018, 163, 767-770.	2.1	7

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109	Characterization of antigenic structures on arabis mosaic virus with monoclonal antibodies. Archives of Virology, 1986, 91, 163-173.	2.1	6
110	Viruses Infecting Greenhood Orchids (Pterostylidinae) in Eastern Australia. Viruses, 2022, 14, 365.	3.3	6
111	Partial polymerase gene sequence, phylogeny and RT-PCR diagnostic assay for Datura yellow vein nucleorhabdovirus. Australasian Plant Disease Notes, 2013, 8, 21-25.	0.7	5
112	IMPLEMENTATION OF SSR MARKERS IN MANGO BREEDING IN AUSTRALIA. Acta Horticulturae, 2013, , 259-267.	0.2	5
113	Functional analysis of a weak viral RNA silencing suppressor using two GFP variants as silencing inducers. Journal of Virological Methods, 2017, 239, 50-57.	2.1	5
114	Development and validation of PCR assays for detection of alfalfa dwarf disease-associated viruses in Australian lucerne pastures. Australasian Plant Pathology, 2018, 47, 215-225.	1.0	5
115	First report of orchid fleck virus and its mite vector on green cordyline. Australasian Plant Disease Notes, 2018, 13, 1.	0.7	5
116	ICTV Virus Taxonomy Profile: Nyamiviridae. Journal of General Virology, 2017, 98, 2914-2915.	2.9	5
117	Development of a Polymerase Spiral Reaction-Based Isothermal Assay for Rapid Identification of Thrips palmi. Frontiers in Molecular Biosciences, 2022, 9, 853339.	3.5	5
118	Complete genome sequence of maize sterile stunt virus. Archives of Virology, 2019, 164, 1221-1223.	2.1	4
119	Insect cell culture as a tool in plant virus research: a historical overview. Phytoparasitica, 2020, 48, 287-303.	1.2	4
120	In memoriam â€“ Richard M. Elliott (1954â€“2015). Journal of General Virology, 2015, 96, 1975-1978.	2.9	4
121	Tospoviruses Induce Small Interfering RNAs Targeting Viral Sequences and Endogenous Transcripts in Solanaceous Plants. Pathogens, 2022, 11, 745.	2.8	4
122	Fate of hairpin transcript components during RNA silencing and its suppression in transgenic virus-resistant tobacco. Journal of Biotechnology, 2006, 126, 115-122.	3.8	3
123	JoÃ¡ yellow blotch-associated virus, a new alphanucleorhabdovirus from a wild solanaceous plant in Brazil. Archives of Virology, 2021, 166, 1615-1622.	2.1	3
124	An azophenolic colorimetric reagent for use in enzyme-linked immunosorbent assays. Analytical Biochemistry, 1987, 164, 297-302.	2.4	2
125	Tomato spotted wilt virus infects spider lily plants in Australia. Australasian Plant Disease Notes, 2018, 13, 1.	0.7	1
126	Plant Rhabdoviruses (Rhabdoviridae). , 2021, , 567-580.		1

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127	Simplified Assays for Evaluation of Resistance to Alternaria brassicicola and Turnip Mosaic Virus. Methods in Molecular Biology, 2016, 1363, 219-228.	0.9	1
128	ICTV Virus Taxonomy Profile: Artoviridae. Journal of General Virology, 2019, 100, 1202-1203.	2.9	1
129	ICTV Virus Taxonomy Profile: Nyamiviridae 2021. Journal of General Virology, 2021, 102, .	2.9	1
130	Response from Ralf Dietzgen to â€œComment on The complete nucleotide sequence and genome organization of pea streak virus (genus Carlavirus)â€. Archives of Virology, 2015, 160, 2657-2657.	2.1	0
131	Editorial overview: Plant virusâ€“vector interactions. Current Opinion in Virology, 2018, 33, iii-v.	5.4	0
132	Mangomics: Information Systems Supporting Advanced Mango Breeding. , 2015, , 281-307.		0
133	Temporal expression of defence and susceptibility genes and tospovirus accumulation in capsicum chlorosis virus-infected capsicum. Archives of Virology, 2022, 167, 1061-1074.	2.1	0