

Eugene V Ryabov

List of Publications by Citations

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60
papers

3,018
citations

30
h-index

54
g-index

77
ext. papers

3,654
ext. citations

5.4
avg, IF

5.33
L-index

#	Paper	IF	Citations
60	Threats to an ecosystem service: pressures on pollinators. <i>Frontiers in Ecology and the Environment</i> , 2013 , 11, 251-259	5.5	687
59	A virulent strain of deformed wing virus (DWV) of honeybees (<i>Apis mellifera</i>) prevails after <i>Varroa</i> destructor-mediated, or in vitro, transmission. <i>PLoS Pathogens</i> , 2014 , 10, e1004230	7.6	215
58	Standard methods for virus research in <i>Apis mellifera</i> . <i>Journal of Apicultural Research</i> , 2013 , 52, 1-56	2	176
57	Interaction of a plant virus-encoded protein with the major nucleolar protein fibrillarin is required for systemic virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11115-20	11.5	131
56	Recombinants between Deformed wing virus and <i>Varroa</i> destructor virus-1 may prevail in <i>Varroa</i> destructor-infested honeybee colonies. <i>Journal of General Virology</i> , 2011 , 92, 156-61	4.9	116
55	Cajal bodies and the nucleolus are required for a plant virus systemic infection. <i>EMBO Journal</i> , 2007 , 26, 2169-79	13	115
54	Diverse groups of plant RNA and DNA viruses share related movement proteins that may possess chaperone-like activity. <i>Journal of General Virology</i> , 1991 , 72 (Pt 12), 2895-903	4.9	109
53	A plant virus-encoded protein facilitates long-distance movement of heterologous viral RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 1212-7	11.5	97
52	Intracellular location of two groundnut rosette umbravirus proteins delivered by PVX and TMV vectors. <i>Virology</i> , 1998 , 242, 303-13	3.6	72
51	Recent spread of <i>Varroa</i> destructor virus-1, a honey bee pathogen, in the United States. <i>Scientific Reports</i> , 2017 , 7, 17447	4.9	68
50	Umbravirus gene expression helps potato leafroll virus to invade mesophyll tissues and to be transmitted mechanically between plants. <i>Virology</i> , 2001 , 286, 363-72	3.6	68
49	An umbraviral protein, involved in long-distance RNA movement, binds viral RNA and forms unique, protective ribonucleoprotein complexes. <i>Journal of Virology</i> , 2003 , 77, 3031-40	6.6	63
48	Densovirus induces winged morphs in asexual clones of the rosy apple aphid, <i>Dysaphis plantaginea</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8465-70	11.5	61
47	A strong immune response in young adult honeybees masks their increased susceptibility to infection compared to older bees. <i>PLoS Pathogens</i> , 2012 , 8, e1003083	7.6	55
46	Nucleotide sequence of shallot virus X RNA reveals a 5'proximal cistron closely related to those of potexviruses and a unique arrangement of the 3'proximal cistrons. <i>Journal of General Virology</i> , 1992 , 73 (Pt 10), 2553-60	4.9	51
45	ICTV Virus Taxonomy Profile: Iflaviridae. <i>Journal of General Virology</i> , 2017 , 98, 527-528	4.9	50
44	Dynamic evolution in the key honey bee pathogen deformed wing virus: Novel insights into virulence and competition using reverse genetics. <i>PLoS Biology</i> , 2019 , 17, e3000502	9.7	47

43	Umbravirus-encoded proteins both stabilize heterologous viral RNA and mediate its systemic movement in some plant species. <i>Virology</i> , 2001 , 288, 391-400	3.6	46
42	The C-terminal 33 amino acids of the cucumber mosaic virus 3a protein affect virus movement, RNA binding and inhibition of infection and translation. <i>Journal of General Virology</i> , 2004 , 85, 221-230	4.9	45
41	Identification of a nuclear localization signal and nuclear export signal of the umbraviral long-distance RNA movement protein. <i>Journal of General Virology</i> , 2004 , 85, 1329-1333	4.9	44
40	Host-specific cell-to-cell and long-distance movements of cucumber mosaic virus are facilitated by the movement protein of groundnut rosette virus. <i>Virology</i> , 1999 , 260, 98-108	3.6	42
39	ICTV Virus Taxonomy Profile: Dicistroviridae. <i>Journal of General Virology</i> , 2017 , 98, 355-356	4.9	42
38	Deformed wing virus type A, a major honey bee pathogen, is vectored by the mite Varroa destructor in a non-propagative manner. <i>Scientific Reports</i> , 2019 , 9, 12445	4.9	37
37	Nucleolar localization of potato leafroll virus capsid proteins. <i>Journal of General Virology</i> , 2005 , 86, 2891-2896	4.9	37
36	The Iflaviruses Sacbrood virus and Deformed wing virus evoke different transcriptional responses in the honeybee which may facilitate their horizontal or vertical transmission. <i>PeerJ</i> , 2016 , 4, e1591	3.1	35
35	Roles of Dicer-Like Proteins 2 and 4 in Intra- and Intercellular Antiviral Silencing. <i>Plant Physiology</i> , 2017 , 174, 1067-1081	6.6	34
34	A Genetic Network for Systemic RNA Silencing in Plants. <i>Plant Physiology</i> , 2018 , 176, 2700-2719	6.6	33
33	Umbravirus-encoded movement protein induces tubule formation on the surface of protoplasts and binds RNA incompletely and non-cooperatively. <i>Journal of General Virology</i> , 2001 , 82, 2579-2588	4.9	33
32	A novel virus isolated from the aphid <i>Brevicoryne brassicae</i> with similarity to Hymenoptera picorna-like viruses. <i>Journal of General Virology</i> , 2007 , 88, 2590-2595	4.9	32
31	Satellite RNA is essential for encapsidation of groundnut rosette umbravirus RNA by groundnut rosette assistant luteovirus coat protein. <i>Virology</i> , 1999 , 254, 105-114	3.6	31
30	Cell-to-Cell, but not long-distance, spread of RNA silencing that is induced in individual epidermal cells. <i>Journal of Virology</i> , 2004 , 78, 3149-54	6.6	30
29	Mechanical transmission of Potato leafroll virus. <i>Journal of General Virology</i> , 2000 , 81, 2791-2795	4.9	29
28	Tagging potato leafroll virus with the jellyfish green fluorescent protein gene. <i>Journal of General Virology</i> , 2000 , 81, 617-26	4.9	26
27	Two Distinct Mechanisms of Transgenic Resistance Mediated by Groundnut Rosette Virus Satellite RNA Sequences. <i>Molecular Plant-Microbe Interactions</i> , 1998 , 11, 367-374	3.6	25
26	Involvement of RDR6 in short-range intercellular RNA silencing in <i>Nicotiana benthamiana</i> . <i>Scientific Reports</i> , 2012 , 2, 467	4.9	23

25	Nucleotide sequence of carnation ringspot dianthovirus RNA-1. <i>Journal of General Virology</i> , 1994 , 75 (Pt 1), 243-7	4.9	22
24	Tomato Cell Death Mediated By Complementary Plant Viral Satellite RNA Sequences. <i>Molecular Plant-Microbe Interactions</i> , 1998 , 11, 1214-1222	3.6	19
23	Use of highly conserved motifs in plant virus RNA polymerases as the tags for specific detection of carmovirus-related RNA-dependent RNA polymerase genes. <i>Virology</i> , 1995 , 207, 312-5	3.6	18
22	Evidence for RNA-mediated defence effects on the accumulation of Potato leafroll virus. <i>Journal of General Virology</i> , 2001 , 82, 3099-3106	4.9	17
21	Invertebrate RNA virus diversity from a taxonomic point of view. <i>Journal of Invertebrate Pathology</i> , 2017 , 147, 37-50	2.6	16
20	Nucleotide Sequence of RNA from the Sobemovirus Found in Infected Cocksfoot Shows a Luteovirus-Like Arrangement of the Putative Replicase and Protease Genes. <i>Phytopathology</i> , 1996 , 86, 391	3.8	16
19	Evidence for and against deformed wing virus spillover from honey bees to bumble bees: a reverse genetic analysis. <i>Scientific Reports</i> , 2020 , 10, 16847	4.9	16
18	Influence of viral genes on the cell-to-cell spread of RNA silencing. <i>Journal of Experimental Botany</i> , 2008 , 59, 2803-13	7	15
17	Development of a Honey Bee RNA Virus Vector Based on the Genome of a Deformed Wing Virus. <i>Viruses</i> , 2020 , 12,	6.2	13
16	Suppression of local RNA silencing is not sufficient to promote cell-to-cell movement of Turnip crinkle virus in <i>Nicotiana benthamiana</i> . <i>Plant Signaling and Behavior</i> , 2009 , 4, 15-22	2.5	12
15	A single amino acid change in a geminiviral Rep protein differentiates between triggering a plant defence response and initiating viral DNA replication. <i>Journal of General Virology</i> , 2008 , 89, 2636-2641	4.9	7
14	ICTV Virus Taxonomy Profile: Solinviviridae. <i>Journal of General Virology</i> , 2019 , 100, 736-737	4.9	7
13	ICTV Virus Taxonomy Profile: Polycipiviridae. <i>Journal of General Virology</i> , 2019 , 100, 554-555	4.9	6
12	MosaicSolver: a tool for determining recombinants of viral genomes from pileup data. <i>Nucleic Acids Research</i> , 2014 , 42, e123	20.1	4
11	Deformed Wing Virus spillover from honey bees to bumble bees: a reverse genetic study		4
10	Pupal cannibalism by worker honey bees contributes to the spread of deformed wing virus. <i>Scientific Reports</i> , 2021 , 11, 8989	4.9	4
9	Honeybee intestines retain low yeast titers, but no bacterial mutualists, at emergence. <i>Yeast</i> , 2021 ,	3.4	4
8	Error correction and diversity analysis of population mixtures determined by NGS. <i>PeerJ</i> , 2014 , 2, e645	3.1	3

7	Cold case: The disappearance of Egypt bee virus, a fourth distinct master strain of deformed wing virus linked to honeybee mortality in 1970æ Egypt.. <i>Virology Journal</i> , 2022 , 19, 12	6.1	2
6	Varroa destructor mites vector and transmit pathogenic honey bee viruses acquired from an artificial diet. <i>PLoS ONE</i> , 2020 , 15, e0242688	3.7	2
5	A novel system for maintaining Varroa destructor mites on artificial diets and its application for studying mites as a vector for honey bee viruses		2
4	Iflavivirus (Deformed Wing Virus) 2016 , 37-46		1
3	Construction of infectious cDNA clones for RNA viruses: Turnip crinkle virus. <i>Methods in Molecular Biology</i> , 2008 , 451, 491-502	1.4	1
2	Pupal cannibalism by worker honey bees contributes to the spread of Deformed wing virus		1
1	Umbraviruses (Tombusviridae) 2021 , 827-832		