

Alain Kohl

List of Publications by Year in Descending Order

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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.

69

papers

3,239

citations

32

h-index

56

g-index

75

ext. papers

3,845

ext. citations

6.2

avg, IF

5.09

L-index

#	Paper	IF	Citations
69	Mutational analysis of <i>Aedes aegypti</i> Dicer 2 provides insights into the biogenesis of antiviral exogenous small interfering RNAs. <i>PLoS Pathogens</i> , 2022 , 18, e1010202	7.6	1
68	Exploration of immunological responses underpinning severe fever with thrombocytopenia syndrome virus infection reveals IL-6 as a therapeutic target in an immunocompromised mouse model. 2022 , 1, pgac024		0
67	SARM1 Depletion Slows Axon Degeneration in a CNS Model of Neurotropic Viral Infection. <i>Frontiers in Molecular Neuroscience</i> , 2022 , 15, 860410	6.1	1
66	Modified recombinant human IgG1-Fc is superior to natural intravenous immunoglobulin at inhibiting immune-mediated demyelination. <i>Immunology</i> , 2021 , 164, 90-105	7.8	2
65	Analysis of Zika virus capsid- <i>Aedes aegypti</i> mosquito interactome reveals pro-viral host factors critical for establishing infection. <i>Nature Communications</i> , 2021 , 12, 2766	17.4	6
64	Oligodendrocytes are susceptible to Zika virus infection in a mouse model of perinatal exposure: Implications for CNS complications. <i>Glia</i> , 2021 , 69, 2023-2036	9	3
63	An -Derived Ago2 Knockout Cell Line to Investigate Arbovirus Infections. <i>Viruses</i> , 2021 , 13,	6.2	4
62	Sugar feeding protects against arboviral infection by enhancing gut immunity in the mosquito vector <i>Aedes aegypti</i> . <i>PLoS Pathogens</i> , 2021 , 17, e1009870	7.6	3
61	Zika Virus Infection Leads to Demyelination and Axonal Injury in Mature CNS Cultures. <i>Viruses</i> , 2021 , 13,	6.2	4
60	Interactions of Viral Proteins from Pathogenic and Low or Non-Pathogenic Orthohantaviruses with Human Type I Interferon Signaling. <i>Viruses</i> , 2021 , 13,	6.2	3
59	Species: A Review of Current Knowledge. <i>Insects</i> , 2020 , 11,	2.8	3
58	Glucose-Regulated Protein 78 Interacts with Zika Virus Envelope Protein and Contributes to a Productive Infection. <i>Viruses</i> , 2020 , 12,	6.2	9
57	The <i>Aedes aegypti</i> Domino Ortholog p400 Regulates Antiviral Exogenous Small Interfering RNA Pathway Activity and Expression. <i>MSphere</i> , 2020 , 5,	5	7
56	Identification and RNAi Profile of a Novel Iflavirus Infecting Senegalese Mosquitoes. <i>Viruses</i> , 2020 , 12,	6.2	5
55	aBravo Is a Novel Antiviral Protein that Interacts with, but Acts Independently of, the Exogenous siRNA Pathway Effector Dicer 2. <i>Viruses</i> , 2020 , 12,	6.2	2
54	Development of a Reverse Genetics System for Toscana Virus (Lineage A). <i>Viruses</i> , 2020 , 12,	6.2	4
53	Assessing the Potential Interactions between Cellular miRNA and Arboviral Genomic RNA in the Yellow Fever Mosquito,. <i>Viruses</i> , 2019 , 11,	6.2	7

52	Spindle-E Acts Antivirally Against Alphaviruses in Mosquito Cells. <i>Viruses</i> , 2018 , 10,	6.2	22
51	<i>Culex quinquefasciatus</i> mosquitoes do not support replication of Zika virus. <i>Journal of General Virology</i> , 2018 , 99, 258-264	4.9	26
50	Antiviral RNA Interference Activity in Cells of the Predatory Mosquito,. <i>Viruses</i> , 2018 , 10,	6.2	5
49	Development of reverse genetics systems and investigation of host response antagonism and reassortment potential for Cache Valley and Kairi viruses, two emerging orthobunyaviruses of the Americas. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006884	4.8	8
48	Chikungunya virus: an update on the biology and pathogenesis of this emerging pathogen. <i>Lancet Infectious Diseases, The</i> , 2017 , 17, e107-e117	25.5	190
47	Inhibition of type I interferon induction and signalling by mosquito-borne flaviviruses. <i>Cellular Microbiology</i> , 2017 , 19, e12737	3.9	21
46	Piwi4 Is a Noncanonical PIWI Protein Involved in Antiviral Responses. <i>MSphere</i> , 2017 , 2,	5	61
45	The Antiviral RNAi Response in Vector and Non-vector Cells against Orthobunyaviruses. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005272	4.8	37
44	Characterization of the Zika virus induced small RNA response in <i>Aedes aegypti</i> cells. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0006010	4.8	61
43	Zika virus tropism and interactions in myelinating neural cell cultures: CNS cells and myelin are preferentially affected. <i>Acta Neuropathologica Communications</i> , 2017 , 5, 50	7.3	39
42	RNA Interference Restricts Rift Valley Fever Virus in Multiple Insect Systems. <i>MSphere</i> , 2017 , 2,	5	37
41	Mutational analysis of Rift Valley fever phlebovirus nucleocapsid protein indicates novel conserved, functional amino acids. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0006155	4.8	6
40	Advancing vector biology research: a community survey for future directions, research applications and infrastructure requirements. <i>Pathogens and Global Health</i> , 2016 , 110, 164-72	3.1	0
39	Vector competence of <i>Aedes vexans</i> (Meigen), <i>Culex poicilipes</i> (Theobald) and <i>Cx. quinquefasciatus</i> Say from Senegal for West and East African lineages of Rift Valley fever virus. <i>Parasites and Vectors</i> , 2016 , 9, 94	4	30
38	The Importance of Socio-Economic Versus Environmental Risk Factors for Reported Dengue Cases in Java, Indonesia. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004964	4.8	31
37	Full Genome Sequence and sfRNA Interferon Antagonist Activity of Zika Virus from Recife, Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0005048	4.8	128
36	Zika virus: a previously slow pandemic spreads rapidly through the Americas. <i>Journal of General Virology</i> , 2016 , 97, 269-273	4.9	194
35	Dengue in Java, Indonesia: Relevance of Mosquito Indices as Risk Predictors. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004500	4.8	22

34	Wolbachia Blocks Viral Genome Replication Early in Infection without a Transcriptional Response by the Endosymbiont or Host Small RNA Pathways. <i>PLoS Pathogens</i> , 2016 , 12, e1005536	7.6	63
33	Transcriptome analysis reveals the host response to Schmallenberg virus in bovine cells and antagonistic effects of the NSs protein. <i>BMC Genomics</i> , 2015 , 16, 324	4.5	12
32	Fighting Arbovirus Transmission: Natural and Engineered Control of Vector Competence in Aedes Mosquitoes. <i>Insects</i> , 2015 , 6, 236-78	2.8	51
31	Antiviral immunity of <i>Anopheles gambiae</i> is highly compartmentalized, with distinct roles for RNA interference and gut microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E176-85	11.5	104
30	In memoriam--Richard M. Elliott (1954-2015). <i>Journal of General Virology</i> , 2015 , 96, 1975-1978	4.9	2
29	Characterization of <i>Aedes aegypti</i> innate-immune pathways that limit Chikungunya virus replication. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2994	4.8	85
28	Understanding the Wolbachia-mediated inhibition of arboviruses in mosquitoes: progress and challenges. <i>Journal of General Virology</i> , 2014 , 95, 517-530	4.9	59
27	Induction and suppression of tick cell antiviral RNAi responses by tick-borne flaviviruses. <i>Nucleic Acids Research</i> , 2014 , 42, 9436-46	20.1	91
26	NSs protein of Schmallenberg virus counteracts the antiviral response of the cell by inhibiting its transcriptional machinery. <i>Journal of General Virology</i> , 2014 , 95, 1640-1646	4.9	22
25	Gene silencing in tick cell lines using small interfering or long double-stranded RNA. <i>Experimental and Applied Acarology</i> , 2013 , 59, 319-38	2.1	24
24	Knockdown of piRNA pathway proteins results in enhanced Semliki Forest virus production in mosquito cells. <i>Journal of General Virology</i> , 2013 , 94, 1680-1689	4.9	155
23	RNA interference targets arbovirus replication in Culicoides cells. <i>Journal of Virology</i> , 2013 , 87, 2441-54	6.6	67
22	Schmallenberg virus pathogenesis, tropism and interaction with the innate immune system of the host. <i>PLoS Pathogens</i> , 2013 , 9, e1003133	7.6	78
21	Non-structural proteins of arthropod-borne bunyaviruses: roles and functions. <i>Viruses</i> , 2013 , 5, 2447-68	6.2	43
20	viRome: an R package for the visualization and analysis of viral small RNA sequence datasets. <i>Bioinformatics</i> , 2013 , 29, 1902-3	7.2	29
19	Detection and identification of putative bacterial endosymbionts and endogenous viruses in tick cell lines. <i>Ticks and Tick-borne Diseases</i> , 2012 , 3, 137-46	3.6	26
18	Tick cell lines for study of Crimean-Congo hemorrhagic fever virus and other arboviruses. <i>Vector-Borne and Zoonotic Diseases</i> , 2012 , 12, 769-81	2.4	41
17	Noncoding flavivirus RNA displays RNA interference suppressor activity in insect and Mammalian cells. <i>Journal of Virology</i> , 2012 , 86, 13486-500	6.6	214

16	Phenoloxidase activity acts as a mosquito innate immune response against infection with Semliki Forest virus. <i>PLoS Pathogens</i> , 2012 , 8, e1002977	7.6	76
15	New Insights into Control of Arbovirus Replication and Spread by Insect RNA Interference Pathways. <i>Insects</i> , 2012 , 3, 511-31	2.8	50
14	Antiviral RNA interference responses induced by Semliki Forest virus infection of mosquito cells: characterization, origin, and frequency-dependent functions of virus-derived small interfering RNAs. <i>Journal of Virology</i> , 2011 , 85, 2907-17	6.6	93
13	Cell-to-cell spread of the RNA interference response suppresses Semliki Forest virus (SFV) infection of mosquito cell cultures and cannot be antagonized by SFV. <i>Journal of Virology</i> , 2009 , 83, 5735-48	6.6	42
12	Advances in dissecting mosquito innate immune responses to arbovirus infection. <i>Journal of General Virology</i> , 2009 , 90, 2061-72	4.9	94
11	La Crosse bunyavirus nonstructural protein NSs serves to suppress the type I interferon system of mammalian hosts. <i>Journal of Virology</i> , 2007 , 81, 4991-9	6.6	135
10	Genetic elements regulating packaging of the Bunyamwera orthobunyavirus genome. <i>Journal of General Virology</i> , 2006 , 87, 177-187	4.9	44
9	Interaction of Bunyamwera Orthobunyavirus NSs protein with mediator protein MED8: a mechanism for inhibiting the interferon response. <i>Journal of Virology</i> , 2006 , 80, 9667-75	6.6	64
8	Homotypic interaction of Bunyamwera virus nucleocapsid protein. <i>Journal of Virology</i> , 2005 , 79, 13166-72	6.6	26
7	Complementarity, sequence and structural elements within the 3' and 5' non-coding regions of the Bunyamwera orthobunyavirus S segment determine promoter strength. <i>Journal of General Virology</i> , 2004 , 85, 3269-3278	4.9	57
6	A bunyamwera virus minireplicon system in mosquito cells. <i>Journal of Virology</i> , 2004 , 78, 5679-85	6.6	40
5	NSs protein of Rift Valley fever virus blocks interferon production by inhibiting host gene transcription. <i>Journal of Virology</i> , 2004 , 78, 9798-806	6.6	270
4	Bunyamwera virus nonstructural protein NSs counteracts interferon regulatory factor 3-mediated induction of early cell death. <i>Journal of Virology</i> , 2003 , 77, 7999-8008	6.6	80
3	Effects of a point mutation in the 3' end of the S genome segment of naturally occurring and engineered Bunyamwera viruses. <i>Journal of General Virology</i> , 2003 , 84, 789-793	4.9	12
2	Bunyavirus/mosquito interactions 2001 , 91-102		
1	In vitro evolution of Remdesivir resistance reveals genome plasticity of SARS-CoV-2		7