

Alain Kohl

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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 | 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 |
| 68 | 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 |
| 67 | Zika virus: a previously slow pandemic spreads rapidly through the Americas. <i>Journal of General Virology</i> , 2016 , 97, 269-273 | 4.9 | 194 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | Full Genome Sequence and sRNA Interferon Antagonist Activity of Zika Virus from Recife, Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0005048 | 4.8 | 128 |
| 62 | 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 |
| 61 | Advances in dissecting mosquito innate immune responses to arbovirus infection. <i>Journal of General Virology</i> , 2009 , 90, 2061-72 | 4.9 | 94 |
| 60 | 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 |
| 59 | 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 |
| 58 | 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 |
| 57 | 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 |
| 56 | Schmallenberg virus pathogenesis, tropism and interaction with the innate immune system of the host. <i>PLoS Pathogens</i> , 2013 , 9, e1003133 | 7.6 | 78 |
| 55 | 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 |
| 54 | RNA interference targets arbovirus replication in <i>Culicoides</i> cells. <i>Journal of Virology</i> , 2013 , 87, 2441-54 | 6.6 | 67 |
| 53 | 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 |

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| 52 | 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 |
| 51 | Piwi4 Is a Noncanonical PIWI Protein Involved in Antiviral Responses. <i>MSphere</i> , 2017 , 2, | 5 | 61 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | Fighting Arbovirus Transmission: Natural and Engineered Control of Vector Competence in <i>Aedes</i> Mosquitoes. <i>Insects</i> , 2015 , 6, 236-78 | 2.8 | 51 |
| 46 | New Insights into Control of Arbovirus Replication and Spread by Insect RNA Interference Pathways. <i>Insects</i> , 2012 , 3, 511-31 | 2.8 | 50 |
| 45 | Genetic elements regulating packaging of the Bunyamwera orthobunyavirus genome. <i>Journal of General Virology</i> , 2006 , 87, 177-187 | 4.9 | 44 |
| 44 | Non-structural proteins of arthropod-borne bunyaviruses: roles and functions. <i>Viruses</i> , 2013 , 5, 2447-68 | 6.2 | 43 |
| 43 | 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 |
| 42 | 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 |
| 41 | A bunyamwera virus minireplicon system in mosquito cells. <i>Journal of Virology</i> , 2004 , 78, 5679-85 | 6.6 | 40 |
| 40 | 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 |
| 39 | The Antiviral RNAi Response in Vector and Non-vector Cells against Orthobunyaviruses. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005272 | 4.8 | 37 |
| 38 | RNA Interference Restricts Rift Valley Fever Virus in Multiple Insect Systems. <i>MSphere</i> , 2017 , 2, | 5 | 37 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |

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| 34 | 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 |
| 33 | Homotypic interaction of Bunyamwera virus nucleocapsid protein. <i>Journal of Virology</i> , 2005 , 79, 13166-70 | 2.6 | 26 |
| 32 | <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 |
| 31 | 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 |
| 30 | Spindle-E Acts Antivirally Against Alphaviruses in Mosquito Cells. <i>Viruses</i> , 2018 , 10, | 6.2 | 22 |
| 29 | 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 |
| 28 | Dengue in Java, Indonesia: Relevance of Mosquito Indices as Risk Predictors. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004500 | 4.8 | 22 |
| 27 | Inhibition of type I interferon induction and signalling by mosquito-borne flaviviruses. <i>Cellular Microbiology</i> , 2017 , 19, e12737 | 3.9 | 21 |
| 26 | 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 |
| 25 | 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 |
| 24 | Glucose-Regulated Protein 78 Interacts with Zika Virus Envelope Protein and Contributes to a Productive Infection. <i>Viruses</i> , 2020 , 12, | 6.2 | 9 |
| 23 | 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 |
| 22 | Assessing the Potential Interactions between Cellular miRNA and Arboviral Genomic RNA in the Yellow Fever Mosquito,. <i>Viruses</i> , 2019 , 11, | 6.2 | 7 |
| 21 | 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 |
| 20 | In vitro evolution of Remdesivir resistance reveals genome plasticity of SARS-CoV-2 | | 7 |
| 19 | 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 |
| 18 | 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 |
| 17 | Identification and RNAi Profile of a Novel Iflavirus Infecting Senegalese Mosquitoes. <i>Viruses</i> , 2020 , 12, | 6.2 | 5 |

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| 16 | Antiviral RNA Interference Activity in Cells of the Predatory Mosquito,. <i>Viruses</i> , 2018 , 10, | 6.2 | 5 |
| 15 | An -Derived Ago2 Knockout Cell Line to Investigate Arbovirus Infections. <i>Viruses</i> , 2021 , 13, | 6.2 | 4 |
| 14 | Development of a Reverse Genetics System for Toscana Virus (Lineage A). <i>Viruses</i> , 2020 , 12, | 6.2 | 4 |
| 13 | Zika Virus Infection Leads to Demyelination and Axonal Injury in Mature CNS Cultures. <i>Viruses</i> , 2021 , 13, | 6.2 | 4 |
| 12 | Species: A Review of Current Knowledge. <i>Insects</i> , 2020 , 11, | 2.8 | 3 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | In memoriam--Richard M. Elliott (1954-2015). <i>Journal of General Virology</i> , 2015 , 96, 1975-1978 | 4.9 | 2 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | Bunyavirus/mosquito interactions 2001 , 91-102 | | |