

Karla Helbig

List of Publications by Year in descending order

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73
papers

2,972
citations

218677
26
h-index

175258
52
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77
all docs

77
docs citations

77
times ranked

3971
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocyte Control of Zika Infection Is Independent of Interferon Type I and Type III Expression. <i>Biology</i> , 2022, 11, 143.	2.8	4
2	Detection and Characterisation of an Endogenous Betaretrovirus in Australian Wild Deer. <i>Viruses</i> , 2022, 14, 252.	3.3	1
3	The Role of Anti-Viral Effector Molecules in Mollusc Hemolymph. <i>Biomolecules</i> , 2022, 12, 345.	4.0	6
4	Viperin binds STING and enhances the type I interferon response following dsDNA detection. <i>Immunology and Cell Biology</i> , 2021, 99, 373-391.	2.3	25
5	The Complex Diseases of <i>Staphylococcus pseudintermedius</i> in Canines: Where to Next?. <i>Veterinary Sciences</i> , 2021, 8, 11.	1.7	52
6	Lipid droplets and lipid mediators in viral infection and immunity. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	8.6	52
7	Characterization of a Complete Genome Sequence of Molluscum Contagiosum Virus from an Adult Woman in Australia. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	7
8	Resolution of the phylogenetic relationship of the vulnerable flesh-footed shearwater (<i>Ardenna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2021, 6, 1507-1511.	0.4	3
9	Lipid Droplet Motility Increases Following Viral Immune Stimulation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4418.	4.1	13
10	Viperin interacts with PEX19 to mediate peroxisomal augmentation of the innate antiviral response. <i>Life Science Alliance</i> , 2021, 4, e202000915.	2.8	5
11	Molecular Epidemiology and Characterization of Picobirnavirus in Wild Deer and Cattle from Australia: Evidence of Genogroup I and II in the Upper Respiratory Tract. <i>Viruses</i> , 2021, 13, 1492.	3.3	13
12	Intracellular lipid droplet accumulation occurs early following viral infection and is required for an efficient interferon response. <i>Nature Communications</i> , 2021, 12, 4303.	12.8	70
13	Viperin has species-specific roles in response to herpes simplex virus infection. <i>Journal of General Virology</i> , 2021, 102, .	2.9	4
14	Genomic Characterisation of a Highly Divergent Siadenovirus (Psittacine Siadenovirus F) from the Critically Endangered Orange-Bellied Parrot (<i>Neophema chrysogaster</i>). <i>Viruses</i> , 2021, 13, 1714.	3.3	18
15	Evaluation of haemoparasite and Sarcocystis infections in Australian wild deer. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2021, 15, 262-269.	1.5	8
16	Host upregulation of lipid droplets drives antiviral responses. <i>Cell Stress</i> , 2021, 5, 143-145.	3.2	4
17	Novel Picornavirus Detected in Wild Deer: Identification, Genomic Characterisation, and Prevalence in Australia. <i>Viruses</i> , 2021, 13, 2412.	3.3	8
18	Molecular characterisation of a novel pathogenic avipoxvirus from the Australian magpie (<i>Gymnorhina tibicen</i>). <i>Virology</i> , 2020, 540, 1-16.	2.4	24

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19	Serosurveillance and Molecular Investigation of Wild Deer in Australia Reveals Seroprevalence of Pestivirus Infection. <i>Viruses</i> , 2020, 12, 752.	3.3	15
20	Immune Control of Herpesvirus Infection in Molluscs. <i>Pathogens</i> , 2020, 9, 618.	2.8	6
21	Fluorescent antibiotics, vomocytosis, vaccine candidates and the inflammasome. <i>Clinical and Translational Immunology</i> , 2019, 8, e01083.	3.8	0
22	The interferon stimulated gene viperin, restricts <i>Shigella. flexneri</i> in vitro. <i>Scientific Reports</i> , 2019, 9, 15598.	3.3	16
23	The first complete mitogenome of Indian ringneck <i>(Psittacula krameri)</i> demonstrates close phylogenetic relationship with Eclectus parrot. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 3579-3581.	0.4	10
24	Characterization of the first mitochondrial genome of a little Corella (<i>Cacatua sanguinea</i>) and its phylogenetic implications. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 3792-3794.	0.4	6
25	Crocodilepox Virus Evolutionary Genomics Supports Observed Poxvirus Infection Dynamics on Saltwater Crocodile (<i>Crocodylus porosus</i>). <i>Viruses</i> , 2019, 11, 1116.	3.3	23
26	The first complete mitogenome of red-bellied parrot (<i>Poicephalus rufiventris</i>) resolves phylogenetic status within Psittacidae. <i>Mitochondrial DNA Part B: Resources</i> , 2018, 3, 195-197.	0.4	1
27	Genome sequence of an Australian strain of <i>canid alphaherpesvirus 1</i>. <i>Australian Veterinary Journal</i> , 2018, 96, 24-27.	1.1	25
28	Interferon-Stimulated Genes as Enhancers of Antiviral Innate Immune Signaling. <i>Journal of Innate Immunity</i> , 2018, 10, 85-93.	3.8	132
29	Molecular characterization of the first saltwater crocodilepox virus genome sequences from the world's largest living member of the Crocodylia. <i>Scientific Reports</i> , 2018, 8, 5623.	3.3	27
30	Lipid droplet density alters the early innate immune response to viral infection. <i>PLoS ONE</i> , 2018, 13, e0190597.	2.5	49
31	Large deletions induced by Cas9 cleavage. <i>Nature</i> , 2018, 560, E8-E9.	27.8	269
32	Genomic characterization of two novel pathogenic avipoxviruses isolated from pacific shearwaters (<i>Ardenna</i> spp.). <i>BMC Genomics</i> , 2017, 18, 298.	2.8	51
33	Investigation of sphingosine kinase 1 in interferon responses during dengue virus infection. <i>Clinical and Translational Immunology</i> , 2017, 6, e151.	3.8	7
34	Complete mitochondrial genome sequence of an Australian little penguin (<i>Eudyptula minor</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	0.4	0
35	The first complete mitochondrial genome sequence of an Australian raven (<i>Corvus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 10	0.4	3
36	Mechanism of Interferon-Stimulated Gene Induction in HIV-1-Infected Macrophages. <i>Journal of Virology</i> , 2017, 91, .	3.4	46

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37	Viperin is an important host restriction factor in control of Zika virus infection. Scientific Reports, 2017, 7, 4475.	3.3	98
38	Molecular and microscopic characterization of a novel Eastern grey kangaroopox virus genome directly from a clinical sample. Scientific Reports, 2017, 7, 16472.	3.3	26
39	Dynamic Changes in Host Gene Expression following In Vitro Viral Mimic Stimulation in Crocodile Cells. Frontiers in Immunology, 2017, 8, 1634.	4.8	1
40	Primed for success: Oyster parents treated with poly(I:C) produce offspring with enhanced protection against Ostreid herpesvirus type I infection. Molecular Immunology, 2016, 78, 113-120.	2.2	55
41	The complete mitochondrial genome sequence of an Endangered powerful owl (<i>Ninox strenua</i>). Mitochondrial DNA Part B: Resources, 2016, 1, 722-723.	0.4	5
42	Identification of Beak and Feather Disease Virus in an Unusual Novel Host (<i>Merops ornatus</i>) Using Nested PCR. Genome Announcements, 2016, 4, .	0.8	0
43	Reduction in sphingosine kinase 1 influences the susceptibility to dengue virus infection by altering antiviral responses. Journal of General Virology, 2016, 97, 95-109.	2.9	17
44	Fatty Acids Induce a Pro-Inflammatory Gene Expression Profile in Huh-7 Cells That Attenuates the Anti-HCV Action of Interferon. Journal of Interferon and Cytokine Research, 2015, 35, 392-400.	1.2	15
45	Dengue Virus Infection of Primary Endothelial Cells Induces Innate Immune Responses, Changes in Endothelial Cells Function and Is Restricted by Interferon-Stimulated Responses. Journal of Interferon and Cytokine Research, 2015, 35, 654-665.	1.2	30
46	Sequence analysis and characterisation of virally induced viperin in the saltwater crocodile (<i>Crocodylus porosus</i>). Developmental and Comparative Immunology, 2015, 51, 108-115.	2.3	14
47	The Interferon-induced Transmembrane Proteins, IFITM1, IFITM2, and IFITM3 Inhibit Hepatitis C Virus Entry. Journal of Biological Chemistry, 2015, 290, 25946-25959.	3.4	128
48	Oyster viperin retains direct antiviral activity and its transcription occurs via a signalling pathway involving a heat-stable haemolymph protein. Journal of General Virology, 2015, 96, 3587-3597.	2.9	26
49	Current and future targets of antiviral therapy in the hepatitis C virus life cycle. Future Virology, 2014, 9, 947-965.	1.8	3
50	Dynamic Imaging of the Hepatitis C Virus NS5A Protein during a Productive Infection. Journal of Virology, 2014, 88, 3636-3652.	3.4	49
51	P201 FATTY ACIDS INDUCE A PRO-INFLAMMATORY GENE EXPRESSION PROFILE IN HUH-7 CELLS AND ATTENUATE THE ANTI-HCV ACTION OF INTERFERON. Journal of Hepatology, 2014, 60, S133.	3.7	0
52	The Role of Viperin in the Innate Antiviral Response. Journal of Molecular Biology, 2014, 426, 1210-1219.	4.2	191
53	Signal transducer and activator of transcription 3 is a proviral host factor for hepatitis C virus. Hepatology, 2013, 58, 1558-1568.	7.3	54
54	Viperin Is Induced following Dengue Virus Type-2 (DENV-2) Infection and Has Anti-viral Actions Requiring the C-terminal End of Viperin. PLoS Neglected Tropical Diseases, 2013, 7, e2178.	3.0	145

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55	HIV-1 infection of human macrophages directly induces viperin which inhibits viral production. Blood, 2012, 120, 778-788.	1.4	184
56	The interferon signaling pathway genes as biomarkers of hepatitis C virus disease progression and response to treatment. Biomarkers in Medicine, 2012, 6, 141-150.	1.4	7
57	A novel assay for detection of hepatitis C virus-specific effector CD4+ T cells via co-expression of CD25 and CD134. Journal of Immunological Methods, 2012, 375, 148-158.	1.4	29
58	Osteopontin increases hepatocellular carcinoma cell growth in a CD44 dependant manner. World Journal of Gastroenterology, 2012, 18, 3389.	3.3	29
59	763 THE ROLE OF SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 3 (STAT3) IN THE HCV LIFE CYCLE. Journal of Hepatology, 2011, 54, S307.	3.7	0
60	The antiviral protein viperin inhibits hepatitis C virus replication via interaction with nonstructural protein 5A. Hepatology, 2011, 54, 1506-1517.	7.3	186
61	CD4+ T-Cell Deficiency in HIV Patients Responding to Antiretroviral Therapy Is Associated With Increased Expression of Interferon-Stimulated Genes in CD4+ T Cells. Journal of Infectious Diseases, 2011, 204, 1927-1935.	4.0	100
62	Differential Expression of the CXCR3 Ligands in Chronic Hepatitis C Virus (HCV) Infection and Their Modulation by HCV In Vitro. Journal of Virology, 2009, 83, 836-846.	3.4	66
63	Control of HCV replication: When size does not matter. Hepatology, 2008, 47, 1092-1094.	7.3	2
64	A screening method for identifying disruptions in interferon signaling reveals HCV NS3/4a disrupts Stat-1 phosphorylation. Antiviral Research, 2008, 77, 169-176.	4.1	12
65	Alcohol Metabolism Increases the Replication of Hepatitis C Virus and Attenuates the Antiviral Action of Interferon. Journal of Infectious Diseases, 2008, 198, 1766-1775.	4.0	66
66	[373] OSTEOPONTIN IS SIGNIFICANTLY EXPRESSED IN ADVANCED HCV-RELATED LIVER DISEASE AND CAN ACCELERATE Huh-7 CELL GROWTH IN VITRO AND IN A NUDE MOUSE MODEL. Journal of Hepatology, 2007, 46, S145.	3.7	0
67	Q Fever Research Group (QRG), Adelaide: Activities-Exit Summary 1980-2004. Annals of the New York Academy of Sciences, 2005, 1063, 181-186.	3.8	5
68	Analysis of ISG expression in chronic hepatitis C identifies viperin as a potential antiviral effector. Hepatology, 2005, 42, 702-710.	7.3	225
69	Immune response genes in the post-Q-fever fatigue syndrome, Q fever endocarditis and uncomplicated acute primary Q fever. QJM - Monthly Journal of the Association of Physicians, 2005, 98, 565-574.	0.5	27
70	A novel I-TAC promoter polymorphic variant is functional in the presence of replicating HCV in vitro. Journal of Clinical Virology, 2005, 32, 137-143.	3.1	15
71	Expression of the CXCR3 ligand I-TAC by hepatocytes in chronic hepatitis C and its correlation with hepatic inflammation. Hepatology, 2004, 39, 1220-1229.	7.3	111
72	Variation in immune response genes and chronic Q fever. Concepts: preliminary test with post-Q fever fatigue syndrome. Genes and Immunity, 2003, 4, 82-85.	4.1	25

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73	First Evidence of Entamoeba Parasites in Australian Wild Deer and Assessment of Transmission to Cattle. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	4