Otto Haller

List of Publications by Year in descending order

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100 papers	9,781 citations	32410 55 h-index	42259 96 g-index
101 all docs	101 docs citations	101 times ranked	9562 citing authors

#	Article	IF	Citations
1	Rare variant MX1 alleles increase human susceptibility to zoonotic H7N9 influenza virus. Science, 2021, 373, 918-922.	6.0	41
2	Mx genes: host determinants controlling influenza virus infection and trans-species transmission. Human Genetics, 2020, 139, 695-705.	1.8	35
3	Human MX2/MxB: a Potent Interferon-Induced Postentry Inhibitor of Herpesviruses and HIV-1. Journal of Virology, 2018, 92, .	1.5	37
4	The Discovery of the Antiviral Resistance GeneMx: A Story of Great Ideas, Great Failures, and Some Success. Annual Review of Virology, 2018, 5, 33-51.	3.0	32
5	In vivo evasion of MxA by avian influenza viruses requires human signature in the viral nucleoprotein. Journal of Experimental Medicine, 2017, 214, 1239-1248.	4.2	44
6	Influenza A viruses escape from MxA restriction at the expense of efficient nuclear vRNP import. Scientific Reports, 2016, 6, 23138.	1.6	146
7	Mx GTPases: dynamin-like antiviral machines of innate immunity. Trends in Microbiology, 2015, 23, 154-163.	3.5	378
8	The Nucleoprotein of Newly Emerged H7N9 Influenza A Virus Harbors a Unique Motif Conferring Resistance to Antiviral Human MxA. Journal of Virology, 2015, 89, 2241-2252.	1.5	56
9	A tribute to Jean Lindenmann, co-discoverer of interferon (1924â€“2015). Cytokine, 2015, 76, 113-115.	1.4	2
10	Jean Lindenmann: From Viral Interference to Interferon and Beyond (1924â€“2015). Journal of Interferon and Cytokine Research, 2015, 35, 239-241.	0.5	5
11	Structural Requirements for the Antiviral Activity of the Human MxA Protein against Thogoto and Influenza A Virus. Journal of Biological Chemistry, 2014, 289, 6020-6027.	1.6	56
12	Mx GTPases: efficient host defense against viral intruders. Virologie, 2014, 18, 105-116.	0.1	0
13	Dynamins Are Forever: MxB Inhibits HIV-1. Cell Host and Microbe, 2013, 14, 371-373.	5.1	29
14	Pandemic Influenza A Viruses Escape from Restriction by Human MxA through Adaptive Mutations in the Nucleoprotein. PLoS Pathogens, 2013, 9, e1003279.	2.1	156
15	Emergence of a C-Terminal Seven-Amino-Acid Elongation of NS1 in Around 1950 Conferred a Minor Growth Advantage to Former Seasonal Influenza A Viruses. Journal of Virology, 2013, 87, 11300-11303.	1.5	8
16	Evolution-Guided Identification of Antiviral Specificity Determinants in the Broadly Acting Interferon-Induced Innate Immunity Factor MxA. Cell Host and Microbe, 2012, 12, 598-604.	5.1	144
17	Altered receptor specificity and fusion activity of the haemagglutinin contribute to high virulence of a mouse-adapted influenza A virus. Journal of General Virology, 2012, 93, 970-979.	1.3	44
18	Human MxA Protein: An Interferon-Induced Dynamin-Like GTPase with Broad Antiviral Activity. Journal of Interferon and Cytokine Research, 2011, 31, 79-87.	0.5	293

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19	Structure of Myxovirus Resistance Protein A Reveals Intra- and Intermolecular Domain Interactions Required for the Antiviral Function. Immunity, 2011, 35, 514-525.	6.6	188
20	The Viral Nucleoprotein Determines Mx Sensitivity of Influenza A Viruses. Journal of Virology, 2011, 85, 8133-8140.	1.5	159
21	Stalk Domain of the Dynamin-like MxA GTPase Protein Mediates Membrane Binding and Liposome Tubulation via the Unstructured L4 Loop. Journal of Biological Chemistry, 2011, 286, 37858-37865.	1.6	61
22	Structural basis of oligomerization in the stalk region of dynamin-like MxA. Nature, 2010, 465, 502-506.	13.7	229
23	Dynamin-like MxA GTPase: Structural Insights into Oligomerization and Implications for Antiviral Activity. Journal of Biological Chemistry, 2010, 285, 28419-28424.	1.6	89
24	Structure of the MxA stalk elucidates the assembly of ring-like units of an antiviral module. Small GTPases, 2010, 1, 62-64.	0.7	20
25	Mx Proteins. , 2010, , 1855-1864.		0
26	Adaptive Mutations Resulting in Enhanced Polymerase Activity Contribute to High Virulence of Influenza A Virus in Mice. Journal of Virology, 2009, 83, 6673-6680.	1.5	81
27	Intranasal Administration of Alpha Interferon Reduces Seasonal Influenza A Virus Morbidity in Ferrets. Journal of Virology, 2009, 83, 3843-3851.	1.5	97
28	Inhibition of a Large Double-Stranded DNA Virus by MxA Protein. Journal of Virology, 2009, 83, 2310-2320.	1.5	75
29	Protective role of interferon-induced Mx GTPases against influenza viruses. OIE Revue Scientifique Et Technique, 2009, 28, 219-231.	0.5	74
30	Induction of type I interferons and interferon-inducible Mx genes during respiratory syncytial virus infection and reinfection in cotton rats. Journal of General Virology, 2008, 89, 261-270.	1.3	40
31	Influenza A Virus Strains Differ in Sensitivity to the Antiviral Action of Mx-GTPase. Journal of Virology, 2008, 82, 3624-3631.	1.5	123
32	Influenza A Virus Virulence and Innate Immunity: Recent Insights from New Mouse Models. Monographs in Virology, 2008, , 195-209.	0.6	3
33	Replication fitness determines high virulence of influenza A virus in mice carrying functional Mx1 resistance gene. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6806-6811.	3.3	178
34	The Antiviral Potential of Interferon-Induced Cotton Rat Mx Proteins Against Orthomyxovirus (Influenza), Rhabdovirus, and Bunyavirus. Journal of Interferon and Cytokine Research, 2007, 27, 847-856.	0.5	31
35	Induction of MxA Gene Expression by Influenza A Virus Requires Type I or Type III Interferon Signaling. Journal of Virology, 2007, 81, 7776-7785.	1.5	205
36	The Mx1 Gene Protects Mice against the Pandemic 1918 and Highly Lethal Human H5N1 Influenza Viruses. Journal of Virology, 2007, 81, 10818-10821.	1.5	161

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37	Interferon, Mx, and viral countermeasures. Cytokine and Growth Factor Reviews, 2007, 18, 425-433.	3.2	147
38	Viral suppression of the interferon system. Biochimie, 2007, 89, 836-842.	1.3	64
39	Interferon-induced Mx proteins in antiviral host defense. Biochimie, 2007, 89, 812-818.	1.3	289
40	Pathogenic Viruses: Smart Manipulators of the Interferon System. Current Topics in Microbiology and Immunology, 2007, 316, 315-334.	0.7	40
41	The Mx GTPase family of interferon-induced antiviral proteins. Microbes and Infection, 2007, 9, 1636-1643.	1.0	156
42	Induction of Interferon Synthesis by the PKR-Inhibitory VA RNAs of Adenoviruses. Journal of Interferon and Cytokine Research, 2006, 26, 1-7.	0.5	14
43	The interferon response circuit: Induction and suppression by pathogenic viruses. Virology, 2006, 344, 119-130.	1.1	597
44	Rapid and simple detection of IFN-neutralizing antibodies in chronic hepatitis C non-responsive to IFN-Î±. Journal of Medical Virology, 2006, 78, 74-82.	2.5	47
45	Type I interferon inhibits Crimean-Congo hemorrhagic fever virus in human target cells. Journal of Medical Virology, 2006, 78, 216-222.	2.5	58
46	Interferon-Inducible Mx Gene Expression in Cotton Rats: Cloning, Characterization, and Expression During Influenza Viral Infection. Journal of Interferon and Cytokine Research, 2006, 26, 914-921.	0.5	38
47	Interferon-Induced, Antiviral Human MxA Protein Localizes to a Distinct Subcompartment of the Smooth Endoplasmic Reticulum. Journal of Interferon and Cytokine Research, 2006, 26, 650-660.	0.5	69
48	Enhanced type I interferon signaling and recruitment of chemokine receptor CXCR3-expressing lymphocytes into the skin following treatment with the TLR7-agonist imiquimod. Journal of Cutaneous Pathology, 2005, 32, 257-262.	0.7	71
49	Enhanced type I interferon signalling promotes Th1-biased inflammation in cutaneous lupus erythematosus. Journal of Pathology, 2005, 205, 435-442.	2.1	202
50	Inhibition of Beta Interferon Induction by Severe Acute Respiratory Syndrome Coronavirus Suggests a Two-Step Model for Activation of Interferon Regulatory Factor 3. Journal of Virology, 2005, 79, 2079-2086.	1.5	281
51	Type I Interferonâ€“Associated Recruitment of Cytotoxic Lymphocytes. American Journal of Clinical Pathology, 2005, 124, 37-48.	0.4	88
52	Assay and Functional Analysis of Dynaminâ€Like Mx Proteins. Methods in Enzymology, 2005, 404, 632-643.	0.4	35
53	Human MxA Protein Inhibits the Replication of Crimean-Congo Hemorrhagic Fever Virus. Journal of Virology, 2004, 78, 4323-4329.	1.5	110
54	Thogoto Virus Lacking Interferon-Antagonistic Protein ML Is Strongly Attenuated in Newborn Mx1 -Positive but Not Mx1 -Negative Mice. Journal of Virology, 2004, 78, 11422-11424.	1.5	23

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55	Inhibition of RNA Polymerase II Phosphorylation by a Viral Interferon Antagonist. Journal of Biological Chemistry, 2004, 279, 31471-31477.	1.6	110
56	Mx1 GTPase accumulates in distinct nuclear domains and inhibits influenza A virus in cells that lack promyelocytic leukaemia protein nuclear bodies. Journal of General Virology, 2004, 85, 2315-2326.	1.3	47
57	Inverse Interference: How Viruses Fight the Interferon System. Viral Immunology, 2004, 17, 498-515.	0.6	194
58	Missorting of LaCrosse Virus Nucleocapsid Protein by the Interferon-Induced MxA GTPase Involves Smooth ER Membranes. Traffic, 2004, 5, 772-784.	1.3	101
59	The antiviral effect of interferon-beta against SARS-Coronavirus is not mediated by MxA protein. Journal of Clinical Virology, 2004, 30, 211-213.	1.6	79
60	NSs Protein of Rift Valley Fever Virus Blocks Interferon Production by Inhibiting Host Gene Transcription. Journal of Virology, 2004, 78, 9798-9806.	1.5	300
61	The homeodomain-interacting kinase PKM (HIPK-2) modifies ND10 through both its kinase domain and a SUMO-1 interaction motif and alters the posttranslational modification of PML. Experimental Cell Research, 2003, 283, 36-50.	1.2	39
62	Functional L polymerase of La Crosse virus allows in vivo reconstitution of recombinant nucleocapsids. Journal of General Virology, 2003, 84, 1207-1214.	1.3	66
63	Viral Evasion of the Interferon System: Old Viruses, New Tricks. Journal of Interferon and Cytokine Research, 2003, 23, 209-213.	0.5	13
64	Antivirally active MxA protein sequesters La Crosse virus nucleocapsid protein into perinuclear complexes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3153-3158.	3.3	191
65	Self-assembly of Human MxA GTPase into Highly Ordered Dynamin-like Oligomers. Journal of Biological Chemistry, 2002, 277, 14172-14176.	1.6	84
66	Hantaan Virus Infection Causes an Acute Neurological Disease That Is Fatal in Adult Laboratory Mice. Journal of Virology, 2002, 76, 8890-8899.	1.5	62
67	Interferon-Induced Mx Proteins: Dynamin-Like GTPases with Antiviral Activity. Traffic, 2002, 3, 710-717.	1.3	393
68	Interferon-Î³ inhibits replication of subgenomic and genomic hepatitis C virus RNAs. Hepatology, 2002, 35, 694-703.	3.6	286
69	Interferon-Induced Antiviral Mx1 GTPase Is Associated with Components of the SUMO-1 System and Promyelocytic Leukemia Protein Nuclear Bodies. Experimental Cell Research, 2001, 271, 286-295.	1.2	63
70	Genetic Evidence for an Interferon-Antagonistic Function of Rift Valley Fever Virus Nonstructural Protein NSs. Journal of Virology, 2001, 75, 1371-1377.	1.5	332
71	Interferon-Induced Rat Mx Proteins Confer Resistance to Rift Valley Fever Virus and Other Arthropod-Borne Viruses. Journal of Interferon and Cytokine Research, 2001, 21, 663-668.	0.5	36
72	Rescue of Recombinant Thogoto Virus from Cloned cDNA. Journal of Virology, 2001, 75, 9282-9286.	1.5	29

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73	Constitutive expression of interferon-induced human MxA protein in transgenic tobacco plants does not confer resistance to a variety of RNA viruses. Transgenic Research, 2000, 9, 429-438.	1.3	4
74	Characterization of a Novel Serine/Threonine Kinase Associated with Nuclear Bodies. Journal of Biological Chemistry, 2000, 275, 7373-7377.	1.6	28
75	A Monomeric GTPase-Negative MxA Mutant with Antiviral Activity. Journal of Virology, 2000, 74, 8202-8206.	1.5	73
76	MxA GTPase Blocks Reporter Gene Expression of Reconstituted Thogoto Virus Ribonucleoprotein Complexes. Journal of Virology, 2000, 74, 560-563.	1.5	49
77	Thogoto Virus Matrix Protein Is Encoded by a Spliced mRNA. Journal of Virology, 2000, 74, 10785-10789.	1.5	26
78	Inhibition of influenza C viruses by human MxA protein. Virus Research, 2000, 67, 179-188.	1.1	18
79	Resistance to Rift Valley fever virus in Rattus norvegicus: genetic variability within certain â€˜inbredâ€™ strains. Journal of General Virology, 2000, 81, 2683-2688.	1.3	36
80	Formation of virus-like particles from cloned cDNAs of Thogoto virus. Journal of General Virology, 2000, 81, 2849-2853.	1.3	15
81	GTP-bound Human MxA Protein Interacts with the Nucleocapsids of Thogoto Virus (Orthomyxoviridae). Journal of Biological Chemistry, 1999, 274, 4370-4376.	1.6	92
82	The central interactive region of human MxA GTPase is involved in GTPase activation and interaction with viral target structures. FEBS Letters, 1999, 463, 24-28.	1.3	128
83	Identification of the Murine Mx2 Gene: Interferon-Induced Expression of the Mx2 Protein from the Feral Mouse Gene Confers Resistance to Vesicular Stomatitis Virus. Journal of Virology, 1999, 73, 4925-4930.	1.5	88
84	Human MxA Protein Protects Mice Lacking a Functional Alpha/Beta Interferon System against La Crosse Virus and Other Lethal Viral Infections. Journal of Virology, 1999, 73, 6984-6991.	1.5	138
85	Characterization and expression of the Mx1 gene in wild mouse species. Biochemical Genetics, 1998, 36, 311-322.	0.8	48
86	A Classical Bipartite Nuclear Localization Signal on Thogoto and Influenza A Virus Nucleoproteins. Virology, 1998, 250, 9-18.	1.1	102
87	In vivo reconstitution of active Thogoto virus polymerase: assays for the compatibility with other orthomyxovirus core proteins and template RNAs. Virus Research, 1998, 58, 13-20.	1.1	23
88	MxA GTPase: Oligomerization and GTP-Dependent Interaction with Viral RNP Target Structures. Methods, 1998, 15, 255-263.	1.9	37
89	Intragenic Variability of Human Cytomegalovirus Glycoprotein B in Clinical Strains. Journal of Infectious Diseases, 1998, 177, 1162-1169.	1.9	71
90	Germinal centre CD4+ T cells are an important site of HIV replication in vivo. Aids, 1997, 11, 849-857.	1.0	113

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91	Glycoprotein B Genotype of Human Cytomegalovirus: Distribution in HIV-infected Patients. Scandinavian Journal of Infectious Diseases, 1996, 28, 447-449.	1.5	46
92	Mx1 but Not MxA Confers Resistance against Tick-Borne Dhori Virus in Mice. Virology, 1995, 211, 296-301.	1.1	43
93	Congenital rubella syndrome despite repeated vaccination of the mother: a coincidence of vaccine failure with failure to vaccinate. Acta Paediatrica, International Journal of Paediatrics, 1994, 83, 674-677.	0.7	20
94	Mx genes show weaker primary response to virus than other interferon-regulated genes. Virology, 1992, 186, 154-160.	1.1	47
95	Influenza Virus Resistance of Wild Mice: Wild-Type and Mutant Mx Alleles Occur at Comparable Frequencies. Journal of Interferon Research, 1987, 7, 647-656.	1.2	78
96	Interferon-induced protein Mx accumulates in nuclei of mouse cells expressing resistance to influenza viruses. Virology, 1985, 140, 192-196.	1.1	140
97	Mx-dependent resistance to influenza viruses is induced by mouse interferons Î± and Î² but not Î³. Virology, 1984, 132, 456-461.	1.1	88
98	Inborn Resistance of Mice to Orthomyxoviruses. Current Topics in Microbiology and Immunology, 1981, 92, 25-52.	0.7	100
99	Host gene influence on interferon action in adult mouse hepatocytes: Specificity for influenza virus. Virology, 1980, 103, 11-20.	1.1	38
100	Type I Interferonâ€“Associated Recruitment of Cytotoxic LymphocytesA Common Mechanism in Regressive Melanocytic Lesions. , 0, .		3