

Thomas Michiels

List of Publications by Year in descending order

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89
papers

7,171
citations

71102

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60623

81
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92
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92
docs citations

92
times ranked

6068
citing authors

#	ARTICLE	IF	CITATIONS
1	IFN-Lambda (IFN- λ) Is Expressed in a Tissue-Dependent Fashion and Primarily Acts on Epithelial Cells In Vivo. PLoS Pathogens, 2008, 4, e1000017.	4.7	672
2	Secretion of Yop proteins by Yersiniae. Infection and Immunity, 1990, 58, 2840-2849.	2.2	409
3	Lambda Interferon Renders Epithelial Cells of the Respiratory and Gastrointestinal Tracts Resistant to Viral Infections. Journal of Virology, 2010, 84, 5670-5677.	3.4	369
4	IFN- λ determines the intestinal epithelial antiviral host defense. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7944-7949.	7.1	369
5	Analysis of virC, an operon involved in the secretion of Yop proteins by Yersinia enterocolitica. Journal of Bacteriology, 1991, 173, 4994-5009.	2.2	315
6	Secretion of hybrid proteins by the Yersinia Yop export system. Journal of Bacteriology, 1991, 173, 1677-1685.	2.2	277
7	Role of the Interleukin (IL)-28 Receptor Tyrosine Residues for Antiviral and Antiproliferative Activity of IL-29/Interferon- λ 1. Journal of Biological Chemistry, 2004, 279, 32269-32274.	3.4	270
8	Homology between virF, the transcriptional activator of the Yersinia virulence regulon, and AraC, the Escherichia coli arabinose operon regulator. Journal of Bacteriology, 1989, 171, 254-262.	2.2	268
9	Individual chaperones required for Yop secretion by Yersinia.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 10493-10497.	7.1	268
10	Neurons produce type I interferon during viral encephalitis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7835-7840.	7.1	229
11	The Yersinia yop regulon. Molecular Microbiology, 1989, 3, 1455-1459.	2.5	208
12	ymoA, a Yersinia enterocolitica chromosomal gene modulating the expression of virulence functions. Molecular Microbiology, 1991, 5, 1023-1034.	2.5	203
13	Characterization of the Murine Alpha Interferon Gene Family. Journal of Virology, 2004, 78, 8219-8228.	3.4	187
14	La Crosse Bunyavirus Nonstructural Protein NSs Serves To Suppress the Type I Interferon System of Mammalian Hosts. Journal of Virology, 2007, 81, 4991-4999.	3.4	150
15	THE GENETICS OF THE PERSISTENT INFECTION AND DEMYELINATING DISEASE CAUSED BY THEILER'S VIRUS. Annual Review of Microbiology, 2005, 59, 279-298.	7.3	130
16	The Leader Protein of Theiler's Virus Inhibits Immediate-Early Alpha/Beta Interferon Production. Journal of Virology, 2001, 75, 7811-7817.	3.4	117
17	A coding RNA sequence acts as a replication signal in cardioviruses. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 11560-11565.	7.1	115
18	Identification of additional virulence determinants on the pYV plasmid of Yersinia enterocolitica W227. Infection and Immunity, 1989, 57, 2534-2541.	2.2	114

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19	Study of hepatitis E virus infection of genotype 1 and 3 in mice with humanised liver. <i>Gut</i> , 2017, 66, 920-929.	12.1	113
20	Interferon- λ in the Context of Viral Infections: Production, Response and Therapeutic Implications. <i>Journal of Innate Immunity</i> , 2014, 6, 563-574.	3.8	108
21	The Leader Protein of Theiler's Virus Interferes with Nucleocytoplasmic Trafficking of Cellular Proteins. <i>Journal of Virology</i> , 2004, 78, 4357-4362.	3.4	106
22	The mengovirus leader protein blocks interferon- λ /IFN gene transcription and inhibits activation of interferon regulatory factor 3. <i>Cellular Microbiology</i> , 2007, 9, 2921-2930.	2.1	100
23	Inhibition of the OAS/RNase L pathway by viruses. <i>Current Opinion in Virology</i> , 2015, 15, 19-26.	5.4	98
24	The Leader Protein of Cardioviruses Inhibits Stress Granule Assembly. <i>Journal of Virology</i> , 2011, 85, 9614-9622.	3.4	91
25	Nucleotide sequence and transcription analysis of yop51 from <i>Yersinia enterocolitica</i> W22703. <i>Microbial Pathogenesis</i> , 1988, 5, 449-459.	2.9	90
26	Type I interferon response in the central nervous system. <i>Biochimie</i> , 2007, 89, 770-778.	2.6	87
27	Abortively Infected Astrocytes Appear To Represent the Main Source of Interferon Beta in the Virus-Infected Brain. <i>Journal of Virology</i> , 2016, 90, 2031-2038.	3.4	77
28	Inhibition of mRNA export and dimerization of interferon regulatory factor 3 by Theiler's virus leader protein. <i>Journal of General Virology</i> , 2009, 90, 177-186.	2.9	72
29	The pYV plasmid of <i>Yersinia</i> encodes a lipoprotein, YlpA, related to TraT. <i>Molecular Microbiology</i> , 1990, 4, 1585-1593.	2.5	70
30	A single amino acid change determines persistence of a chimeric Theiler's virus. <i>Journal of Virology</i> , 1994, 68, 3364-3368.	3.4	66
31	Evasion of Antiviral Innate Immunity by Theiler's Virus L* Protein through Direct Inhibition of RNase L. <i>PLoS Pathogens</i> , 2013, 9, e1003474.	4.7	62
32	Analysis of the Leader and Capsid Coding Regions of Persistent and Neurovirulent Strains of Theiler's Virus. <i>Virology</i> , 1995, 214, 550-558.	2.4	61
33	Non-AUG-Initiated Internal Translation of the L* Protein of Theiler's Virus and Importance of This Protein for Viral Persistence. <i>Journal of Virology</i> , 2002, 76, 10665-10673.	3.4	61
34	Conserved Fever Pathways across Vertebrates: A Herpesvirus Expressed Decoy TNF- α Receptor Delays Behavioral Fever in Fish. <i>Cell Host and Microbe</i> , 2017, 21, 244-253.	11.0	57
35	A new method for the physical and genetic mapping of large plasmids: application to the localisation of the virulence determinants on the 90 kb plasmid of <i>Salmonella typhimurium</i> . <i>Microbial Pathogenesis</i> , 1987, 3, 109-116.	2.9	56
36	The importance of naturally attenuated SARS-CoV-2 in the fight against COVID-19. <i>Environmental Microbiology</i> , 2020, 22, 1997-2000.	3.8	54

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37	IFN- μ Is Constitutively Expressed by Cells of the Reproductive Tract and Is Inefficiently Secreted by Fibroblasts and Cell Lines. PLoS ONE, 2013, 8, e71320.	2.5	50
38	Adaptation of Theiler's Virus to L929 Cells: Mutations in the Putative Receptor Binding Site on the Capsid Map to Neutralization Sites and Modulate Viral Persistence. Virology, 1998, 244, 397-404.	2.4	49
39	Protein 2A is not required for Theiler's virus replication. Journal of Virology, 1997, 71, 9549-9556.	3.4	49
40	Tn2501, a component of the lactose transposon Tn951, is an example of a new category of class II transposable elements. Journal of Bacteriology, 1987, 169, 624-631.	2.2	47
41	Antiviral Type I and Type III Interferon Responses in the Central Nervous System. Viruses, 2013, 5, 834-857.	3.3	47
42	Human but Not Mouse Hepatocytes Respond to Interferon-Lambda In Vivo. PLoS ONE, 2014, 9, e87906.	2.5	45
43	Cardiovirus leader proteins are functionally interchangeable and have evolved to adapt to virus replication fitness. Journal of General Virology, 2006, 87, 1237-1246.	2.9	43
44	The Interferon-Inducible Mouse Apolipoprotein L9 and Prohibitins Cooperate to Restrict Theiler's Virus Replication. PLoS ONE, 2015, 10, e0133190.	2.5	43
45	Inhibition of PKR by Viruses. Frontiers in Microbiology, 2021, 12, 757238.	3.5	43
46	Characterization of Interferon- β 13, a Novel Constitutive Murine Interferon- β Subtype. Journal of Biological Chemistry, 2003, 278, 46321-46328.	3.4	41
47	Influence of the Theiler's Virus β 13 Protein on Macrophage Infection, Viral Persistence, and Neurovirulence. Journal of Virology, 2000, 74, 9071-9077.	3.4	39
48	Anti- β 13A Autovaccination Prevents Clinical and Histological Manifestations of Experimental Autoimmune Encephalomyelitis. Annals of the New York Academy of Sciences, 2007, 1110, 330-336.	3.8	37
49	Absence of Internal Ribosome Entry Site-Mediated Tissue Specificity in the Translation of a Bicistronic Transgene. Journal of Virology, 1999, 73, 2729-2738.	3.4	34
50	Mutations That Affect the Tropism of DA and GDVII Strains of Theiler's Virus In Vitro Influence Sialic Acid Binding and Pathogenicity. Journal of Virology, 2002, 76, 8138-8147.	3.4	33
51	Type I Interferon Signaling Contributes to Chronic Inflammation in a Murine Model of Silicosis. Toxicological Sciences, 2010, 116, 682-692.	3.1	33
52	Random Mutagenesis Defines a Domain of Theiler's Virus Leader Protein That Is Essential for Antagonism of Nucleocytoplasmic Trafficking and Cytokine Gene Expression. Journal of Virology, 2009, 83, 11223-11232.	3.4	28
53	A novel mechanism of RNase L inhibition: Theiler's virus L* protein prevents 2-5A from binding to RNase L. PLoS Pathogens, 2018, 14, e1006989.	4.7	27
54	Detection and characterization of Tn2501, a transposon included within the lactose transposon Tn951. Journal of Bacteriology, 1984, 158, 866-871.	2.2	25

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55	What Have We Learned from the IL28 Receptor Knockout Mouse?. Journal of Interferon and Cytokine Research, 2010, 30, 579-584.	1.2	24
56	Inefficient Type I Interferon-Mediated Antiviral Protection of Primary Mouse Neurons Is Associated with the Lack of Apolipoprotein L9 Expression. Journal of Virology, 2014, 88, 3874-3884.	3.4	24
57	Interferon lambda (IFN- λ) efficiently blocks norovirus transmission in a mouse model. Antiviral Research, 2018, 149, 7-15.	4.1	24
58	Characterization of Ribosomal Frameshifting in Theiler's Murine Encephalomyelitis Virus. Journal of Virology, 2015, 89, 8580-8589.	3.4	23
59	Chimeric Theiler's virus with altered tropism for the central nervous system. Journal of Virology, 1994, 68, 2781-2786.	3.4	23
60	Infection of macrophages by Theiler's murine encephalomyelitis virus is highly dependent on their activation or differentiation state. Journal of Virology, 1997, 71, 8864-8867.	3.4	22
61	The Leader Protein of Theiler's Virus Prevents the Activation of PKR. Journal of Virology, 2019, 93, .	3.4	21
62	Differential IFN- λ 1/ λ 2 production suppressing capacities of the leader proteins of mengovirus and foot-and-mouth disease virus. Cellular Microbiology, 2010, 12, 310-317.	2.1	17
63	Innate Immune Detection of Cardioviruses and Viral Disruption of Interferon Signaling. Frontiers in Microbiology, 2018, 9, 2448.	3.5	15
64	TLR Ligand-Induced Type I IFNs Affect Thymopoiesis. Journal of Immunology, 2008, 180, 7134-7146.	0.8	14
65	A case of convergent evolution: Several viral and bacterial pathogens hijack RSK kinases through a common linear motif. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
66	Tn951 derivatives designed for high-frequency plasmid-specific transposition and deletion mutagenesis. Gene, 1986, 43, 175-181.	2.2	13
67	Nucleocytoplasmic Trafficking Perturbation Induced by Picornaviruses. Viruses, 2021, 13, 1210.	3.3	13
68	Analysis of Cellular Mutants Resistant to Theiler's Virus Infection: Differential Infection of L929 Cells by Persistent and Neurovirulent Strains. Journal of Virology, 1999, 73, 7248-7254.	3.4	13
69	Species Specificity of Type III Interferon Activity and Development of a Sensitive Luciferase-Based Bioassay for Quantitation of Mouse Interferon- λ 1. Journal of Interferon and Cytokine Research, 2018, 38, 469-479.	1.2	11
70	IFN- λ 1 Decreases Murid Herpesvirus-4 Infection of the Olfactory Epithelium but Fails to Prevent Virus Reactivation in the Vaginal Mucosa. Viruses, 2019, 11, 757.	3.3	10
71	N-Glycosylation of Murine IFN- λ 2 in a Putative Receptor-Binding Region. Journal of Interferon and Cytokine Research, 2006, 26, 406-413.	1.2	9
72	Theiler's Virus L* Protein Is Targeted to the Mitochondrial Outer Membrane. Journal of Virology, 2011, 85, 3690-3694.	3.4	9

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73	PKR activity modulation by phosphomimetic mutations of serine residues located three aminoacids upstream of double-stranded RNA binding motifs. Scientific Reports, 2021, 11, 9188.	3.3	9
74	Development of SARS-CoV2 humoral response including neutralizing antibodies is not sufficient to protect patients against fatal infection. Scientific Reports, 2022, 12, 2077.	3.3	8
75	PKC epsilon-dependent calcium oscillations associated with metabotropic glutamate receptor 5 prevent agonist-mediated receptor desensitization in astrocytes. Journal of Neurochemistry, 2017, 141, 387-399.	3.9	6
76	Nonstructural Protein L* Species Specificity Supports a Mouse Origin for Vilyuisk Human Encephalitis Virus. Journal of Virology, 2017, 91, .	3.4	6
77	Site-specific recombinations between direct and inverted res sites of Tn2501. Plasmid, 1989, 22, 249-255.	1.4	5
78	PCR-Based Simultaneous Analysis of the Interferon-Alpha Family Reveals Distinct Kinetics for Early Interferons. Journal of Interferon and Cytokine Research, 2008, 28, 653-660.	1.2	5
79	Cellular microRNAs Repress Vesicular Stomatitis Virus but Not Theiler's Virus Replication. Viruses, 2016, 8, 75.	3.3	5
80	Mouse nidovirus LDV infection alleviates graft versus host disease and induces type I IFN-dependent inhibition of dendritic cells and allo-responsive T cells. Immunity, Inflammation and Disease, 2017, 5, 200-213.	2.7	5
81	Neurotropism of Safford virus in a mouse model. Journal of General Virology, 2016, 97, 1350-1355.	2.9	4
82	Lack of effect of Theiler's murine encephalomyelitis virus infection on system xc ⁺ . Neuroscience Letters, 2015, 593, 124-128.	2.1	3
83	The OAS/RNaseL pathway and its inhibition by viruses. Virologie, 2014, 18, 264-277.	0.1	2
84	Theiler's Virus Central Nervous System Infection. , 0, , 411-428.		1
85	Reconnaissance et justice Éducative. Philosophiques, 2016, 43, 93-113.	0.1	1
86	Expression and role of type I interferons in primary mouse neurons after infection with Theiler's virus. BMC Proceedings, 2008, 2, .	1.6	0
87	Type I interferons inhibit Delta-like-1-dependent T cell development and increase apoptosis of developing thymocytes in vitro. FASEB Journal, 2008, 22, 661.11.	0.5	0
88	Thrombopoietin Activates STAT2 Inducing Type I Interferon Effects and Gene Expression: Implications for in Vivo Tpo Treatment and for Myeloproliferative Neoplasms. Blood, 2014, 124, 820-820.	1.4	0
89	Ribonuclease L (RNase L). , 2018, , 4709-4717.		0