# Thomas Michiels

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 89 papers | 7,171 citations | 71097 41 h-index | 60616 81 g-index |
| 92 all docs | 92 docs citations | 92 times ranked | 6068 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | IFN-Lambda (IFN-Î») 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-Î» 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-Î»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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Study of hepatitis E virus infection of genotype 1 and 3 in mice with humanised liver. Gut, 2017, 66, 920-929. | 12.1 | 113 |
| 20 | Interferon-Î» in the Context of Viral Infections: Production, Response and Therapeutic Implications. Journal of Innate Immunity, 2014, 6, 563-574. | 3.8 | 108 |
| 21 | The Leader Protein of Theiler's Virus Interferes with Nucleocytoplasmic Trafficking of Cellular Proteins. Journal of Virology, 2004, 78, 4357-4362. | 3.4 | 106 |
| 22 | The mengovirus leader protein blocks interferon-Î±/Î² gene transcription and inhibits activation of interferon regulatory factor 3. Cellular Microbiology, 2007, 9, 2921-2930. | 2.1 | 100 |
| 23 | Inhibition of the OAS/RNase L pathway by viruses. Current Opinion in Virology, 2015, 15, 19-26. | 5.4 | 98 |
| 24 | The Leader Protein of Cardioviruses Inhibits Stress Granule Assembly. Journal of Virology, 2011, 85, 9614-9622. | 3.4 | 91 |
| 25 | Nucleotide sequence and transcription analysis of yop51 from Yersinia enterocolitica W22703. Microbial Pathogenesis, 1988, 5, 449-459. | 2.9 | 90 |
| 26 | Type I interferon response in the central nervous system. Biochimie, 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. Journal of Virology, 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. Journal of General Virology, 2009, 90, 177-186. | 2.9 | 72 |
| 29 | The pYV plasmid ofYersiniaencodes a lipoprotein, YlpA, related to TraT. Molecular Microbiology, 1990, 4, 1585-1593. | 2.5 | 70 |
| 30 | A single amino acid change determines persistence of a chimeric Theiler's virus. Journal of Virology, 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. PLoS Pathogens, 2013, 9, e1003474. | 4.7 | 62 |
| 32 | Analysis of the Leader and Capsid Coding Regions of Persistent and Neurovirulent Strains of Theiler's Virus. Virology, 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. Journal of Virology, 2002, 76, 10665-10673. | 3.4 | 61 |
| 34 | Conserved Fever Pathways across Vertebrates: A Herpesvirus Expressed Decoy TNF-Î± Receptor Delays Behavioral Fever in Fish. Cell Host and Microbe, 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 Salmonella typhimurium. Microbial Pathogenesis, 1987, 3, 109-116. | 2.9 | 56 |
| 36 | <scp>The importance of naturally attenuated SARSâ€CoV</scp>â€2<scp>in the fight against COVID</scp>â€19. Environmental Microbiology, 2020, 22, 1997-2000. | 3.8 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | IFN-Îµ 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 Theilerâ€™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-Î± 13, a Novel Constitutive Murine Interferon-Î± Subtype. Journal of Biological Chemistry, 2003, 278, 46321-46328. | 3.4 | 41 |
| 47 | Influence of the Theiler's Virus Lâ^— Protein on Macrophage Infection, Viral Persistence, and Neurovirulence. Journal of Virology, 2000, 74, 9071-9077. | 3.4 | 39 |
| 48 | Antiâ€‰Lâ€‰17A 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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-Î») 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-Î±/Î² 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 Theilerâ€™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-Î». Journal of Interferon and Cytokine Research, 2018, 38, 469-479. | 1.2 | 11 |
| 70 | IFN-Î» 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-Î²in 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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 epsilonâ€dependent calcium oscillations associated with metabotropic glutamate receptor 5 prevent agonistâ€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 Theilerâ€™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 Saffold virus in a mouse model. Journal of General Virology, 2016, 97, 1350-1355. | 2.9 | 4 |
| 82 | Lack of effect of Theilerâ€™s murine encephalomyelitis virus infection on system xcâ^'. 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 Ã©ducative. 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 | Typeâ€I interferons inhibit Deltaâ€likeâ€1â€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 |