

SÃ©bastien Nisole

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

4,689
citations

172457

29
h-index

118850

62
g-index

76
all docs

76
docs citations

76
times ranked

5803
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | TRIM family proteins: retroviral restriction and antiviral defence. <i>Nature Reviews Microbiology</i> , 2005, 3, 799-808. | 28.6 | 628 |
| 2 | Trim5 protein restricts both HIV-1 and murine leukemia virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10786-10791. | 7.1 | 410 |
| 3 | Interplay between SARS-CoV-2 and the type I interferon response. <i>PLoS Pathogens</i> , 2020, 16, e1008737. | 4.7 | 406 |
| 4 | A Single Amino Acid Change in the SPRY Domain of Human Trim5 Leads to HIV-1 Restriction. <i>Current Biology</i> , 2005, 15, 73-78. | 3.9 | 365 |
| 5 | A Trim5-cyclophilin A fusion protein found in owl monkey kidney cells can restrict HIV-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13324-13328. | 7.1 | 280 |
| 6 | Human TRIM Gene Expression in Response to Interferons. <i>PLoS ONE</i> , 2009, 4, e4894. | 2.5 | 223 |
| 7 | The Cell-Surface-Expressed Nucleolin Is Associated with the Actin Cytoskeleton. <i>Experimental Cell Research</i> , 2000, 261, 312-328. | 2.6 | 209 |
| 8 | SARS-CoV-2 Triggers an MDA-5-Dependent Interferon Response Which Is Unable To Control Replication in Lung Epithelial Cells. <i>Journal of Virology</i> , 2021, 95, . | 3.4 | 168 |
| 9 | Spontaneous Mutations in the env Gene of the Human Immunodeficiency Virus Type 1 NDK Isolate Are Associated with a CD4-Independent Entry Phenotype. <i>Journal of Virology</i> , 1998, 72, 512-519. | 3.4 | 147 |
| 10 | Early steps of retrovirus replicative cycle. <i>Retrovirology</i> , 2004, 1, 9. | 2.0 | 139 |
| 11 | Differential Roles of PML Isoforms. <i>Frontiers in Oncology</i> , 2013, 3, 125. | 2.8 | 135 |
| 12 | The Anti-HIV Cytokine Midkine Binds the Cell Surface-expressed Nucleolin as a Low Affinity Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 37492-37502. | 3.4 | 124 |
| 13 | The Human Immunodeficiency Virus Type 2 Vpx Protein Usurps the CUL4A-DDB1 ^{DCAF1} Ubiquitin Ligase To Overcome a Postentry Block in Macrophage Infection. <i>Journal of Virology</i> , 2009, 83, 4854-4860. | 3.4 | 111 |
| 14 | Implication of PMLIV in Both Intrinsic and Innate Immunity. <i>PLoS Pathogens</i> , 2014, 10, e1003975. | 4.7 | 83 |
| 15 | The Anti-HIV Pentameric Pseudopeptide HB-19 Binds the C-terminal End of Nucleolin and Prevents Anchorage of Virus Particles in the Plasma Membrane of Target Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 20877-20886. | 3.4 | 80 |
| 16 | Transportin-1 binds to the HIV-1 capsid via a nuclear localization signal and triggers uncoating. <i>Nature Microbiology</i> , 2019, 4, 1840-1850. | 13.3 | 76 |
| 17 | The Anti-HIV Pseudopeptide HB-19 Forms a Complex with the Cell-surface-expressed Nucleolin Independent of Heparan Sulfate Proteoglycans. <i>Journal of Biological Chemistry</i> , 1999, 274, 27875-27884. | 3.4 | 71 |
| 18 | Anchorage of HIV on Permissive Cells Leads to Coaggregation of Viral Particles with Surface Nucleolin at Membrane Raft Microdomains. <i>Experimental Cell Research</i> , 2002, 276, 155-173. | 2.6 | 70 |

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|----|---|------|-----------|
| 19 | The CDK Inhibitor p21 ^{Cip1} /WAF1 ¹ Is Induced by Fc γ R Activation and Restricts the Replication of Human Immunodeficiency Virus Type 1 and Related Primate Lentiviruses in Human Macrophages. <i>Journal of Virology</i> , 2009, 83, 12253-12265. | 3.4 | 62 |
| 20 | Implication of TRIM α and TRIMCyp in interferon-induced anti-retroviral restriction activities. <i>Retrovirology</i> , 2008, 5, 59. | 2.0 | 60 |
| 21 | Hyperthermia Stimulates HIV-1 Replication. <i>PLoS Pathogens</i> , 2012, 8, e1002792. | 4.7 | 55 |
| 22 | Inhibition of HIV Infection by the Cytokine Midkine. <i>Virology</i> , 2001, 281, 248-264. | 2.4 | 49 |
| 23 | PML/TRIM19-Dependent Inhibition of Retroviral Reverse-Transcription by Daxx. <i>PLoS Pathogens</i> , 2015, 11, e1005280. | 4.7 | 48 |
| 24 | Small Ubiquitin-like Modifier Alters IFN Response. <i>Journal of Immunology</i> , 2015, 195, 2312-2324. | 0.8 | 42 |
| 25 | TRIM8 is required for virus-induced IFN response in human plasmacytoid dendritic cells. <i>Science Advances</i> , 2019, 5, eaax3511. | 10.3 | 40 |
| 26 | Zika Virus Infection Promotes Local Inflammation, Cell Adhesion Molecule Upregulation, and Leukocyte Recruitment at the Blood-Brain Barrier. <i>MBio</i> , 2020, 11, . | 4.1 | 40 |
| 27 | Control of TLR7-mediated type I IFN signaling in pDCs through CXCR4 engagementâ€”A new target for lupus treatment. <i>Science Advances</i> , 2019, 5, eaav9019. | 10.3 | 34 |
| 28 | Natural amines inhibit activation of human plasmacytoid dendritic cells through CXCR4 engagement. <i>Nature Communications</i> , 2017, 8, 14253. | 12.8 | 33 |
| 29 | MxA interacts with and is modified by the SUMOylation machinery. <i>Experimental Cell Research</i> , 2015, 330, 151-163. | 2.6 | 31 |
| 30 | Endogenous TRIM5 α Function Is Regulated by SUMOylation and Nuclear Sequestration for Efficient Innate Sensing in Dendritic Cells. <i>Cell Reports</i> , 2016, 14, 355-369. | 6.4 | 31 |
| 31 | PML control of cytokine signaling. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 551-561. | 7.2 | 30 |
| 32 | HIV-derived vectors for therapy and vaccination against HIV. <i>Vaccine</i> , 2012, 30, 2499-2509. | 3.8 | 29 |
| 33 | Resistance to Rhabdoviridae Infection and Subversion of Antiviral Responses. <i>Viruses</i> , 2015, 7, 3675-3702. | 3.3 | 26 |
| 34 | Modulation of innate immune signaling by a <i>Coxiella burnetii</i> eukaryotic-like effector protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13708-13718. | 7.1 | 26 |
| 35 | The HB-19 Pseudopeptide 5 [Kpsi(CH2N)PR]-TASP Inhibits Attachment of T Lymphocyte- and Macrophage-Tropic HIV to Permissive Cells. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 237-249. | 1.1 | 25 |
| 36 | Identification of DAXX as a restriction factor of SARS-CoV-2 through a CRISPR/Cas9 screen. <i>Nature Communications</i> , 2022, 13, 2442. | 12.8 | 25 |

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|----|--|------|-----------|
| 37 | An efficient method for gene silencing in human primary plasmacytoid dendritic cells: silencing of the TLR7/IRF-7 pathway as a proof of concept. <i>Scientific Reports</i> , 2016, 6, 29891. | 3.3 | 23 |
| 38 | Original Chemical Series of Pyrimidine Biosynthesis Inhibitors That Boost the Antiviral Interferon Response. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, . | 3.2 | 21 |
| 39 | The V3 Loop-Mimicking Pseudopeptide 5[K psi(CH2N)PR]- TASP Inhibits HIV Infection in Primary Macrophage Cultures. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 381-390. | 1.1 | 17 |
| 40 | TRIM5 β is a SUMO substrate. <i>Retrovirology</i> , 2015, 12, 28. | 2.0 | 17 |
| 41 | MxA Mediates SUMO-Induced Resistance to Vesicular Stomatitis Virus. <i>Journal of Virology</i> , 2016, 90, 6598-6610. | 3.4 | 17 |
| 42 | RanBP2 regulates the anti-retroviral activity of TRIM5 β by SUMOylation at a predicted phosphorylated SUMOylation motif. <i>Communications Biology</i> , 2018, 1, 193. | 4.4 | 16 |
| 43 | Identification of a small molecule that primes the type I interferon response to cytosolic DNA. <i>Scientific Reports</i> , 2017, 7, 2561. | 3.3 | 15 |
| 44 | Molecular Insight into How HIV-1 Vpr Protein Impairs Cell Growth through Two Genetically Distinct Pathways. <i>Journal of Biological Chemistry</i> , 2011, 286, 23742-23752. | 3.4 | 13 |
| 45 | Cerpegin-derived furo[3,4-c]pyridine-3,4(1H,5H)-diones enhance cellular response to interferons by de novo pyrimidine biosynthesis inhibition. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111855. | 5.5 | 13 |
| 46 | West Nile Virus Restriction in Mosquito and Human Cells: A Virus under Confinement. <i>Vaccines</i> , 2020, 8, 256. | 4.4 | 13 |
| 47 | Lack of endogenous TRIM5 β -mediated restriction in rhesus macaque dendritic cells. <i>Blood</i> , 2008, 112, 3772-3776. | 1.4 | 12 |
| 48 | Alarmin S100A9 restricts retroviral infection by limiting reverse transcription in human dendritic cells. <i>EMBO Journal</i> , 2021, 40, e106540. | 7.8 | 12 |
| 49 | Identification of Primary Natural Killer Cell Modulators by Chemical Library Screening with a Luciferase-Based Functional Assay. <i>SLAS Discovery</i> , 2019, 24, 25-37. | 2.7 | 10 |
| 50 | Daxx Inhibits HIV-1 Reverse Transcription and Uncoating in a SUMO-Dependent Manner. <i>Viruses</i> , 2020, 12, 636. | 3.3 | 10 |
| 51 | Identifying enhancers of innate immune signaling as broad-spectrum antivirals active against emerging viruses. <i>Cell Chemical Biology</i> , 2022, 29, 1113-1125.e6. | 5.2 | 10 |
| 52 | Sodium arsenite induces apoptosis and Epstein-Barr virus reactivation in lymphoblastoid cells. <i>Biochimie</i> , 2014, 107, 247-256. | 2.6 | 9 |
| 53 | Langerin (CD207) represents a novel interferon-stimulated gene in Langerhans cells. <i>Cellular and Molecular Immunology</i> , 2020, 17, 547-549. | 10.5 | 9 |
| 54 | Regulation of Viral Restriction by Post-Translational Modifications. <i>Viruses</i> , 2021, 13, 2197. | 3.3 | 8 |

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|----|--|-----|-----------|
| 55 | Antiviral properties of two trimeric recombinant gp41 proteins. <i>Retrovirology</i> , 2006, 3, 16. | 2.0 | 4 |
| 56 | Usutu Virus escapes langerin-induced restriction to productively infect human Langerhans cells, unlike West Nile virus. <i>Emerging Microbes and Infections</i> , 2022, 11, 761-774. | 6.5 | 4 |
| 57 | Daxx, a broad-spectrum viral restriction factor. <i>Virologie</i> , 2016, 20, 261-272. | 0.1 | 3 |
| 58 | Measuring the subcellular compartmentalization of viral infections by protein complementation assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 2 |
| 59 | HIV-1 VPR impairs cell growth through the inactivation of two genetically distinct host cell proteins. <i>Retrovirology</i> , 2009, 6, . | 2.0 | 0 |
| 60 | The HIV-2 Vpx protein usurps the Cul4A-DDB1-DCAF1 ubiquitin ligase to overcome a post-entry block in macrophage infection. <i>Retrovirology</i> , 2009, 6, . | 2.0 | 0 |
| 61 | The CDK inhibitor p21 ^{Cip1} /WAF1 is induced by Fc γ R activation and restricts HIV-1 replication in human macrophages. <i>Retrovirology</i> , 2009, 6, . | 2.0 | 0 |
| 62 | ID: 26. <i>Cytokine</i> , 2015, 76, 68. | 3.2 | 0 |
| 63 | TRIM Protein Family and Viral Restriction. , 2015, , 1-8. | | 0 |
| 64 | ID: 22. <i>Cytokine</i> , 2015, 76, 67. | 3.2 | 0 |
| 65 | TRIM Protein Family and Viral Restriction. , 2018, , 2062-2068. | | 0 |