

# Nicolas Manel

## List of Publications by Year in descending order

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62  
papers

14,784  
citations

87723

38  
h-index

106150

65  
g-index

77  
all docs

77  
docs citations

77  
times ranked

21981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of Intestinal Th17 Cells by Segmented Filamentous Bacteria. <i>Cell</i> , 2009, 139, 485-498.	13.5	3,818
2	Specific Microbiota Direct the Differentiation of IL-17-Producing T-Helper Cells in the Mucosa of the Small Intestine. <i>Cell Host and Microbe</i> , 2008, 4, 337-349.	5.1	1,495
3	The differentiation of human TH-17 cells requires transforming growth factor- $\beta^2$ and induction of the nuclear receptor ROR $\gamma^t$ . <i>Nature Immunology</i> , 2008, 9, 641-649.	7.0	1,426
4	Analysis of ESCRT functions in exosome biogenesis, composition and secretion highlights the heterogeneity of extracellular vesicles. <i>Journal of Cell Science</i> , 2013, 126, 5553-65.	1.2	1,035
5	ESCRT III repairs nuclear envelope ruptures during cell migration to limit DNA damage and cell death. <i>Science</i> , 2016, 352, 359-362.	6.0	738
6	Aicardi-Goutières syndrome and the type I interferonopathies. <i>Nature Reviews Immunology</i> , 2015, 15, 429-440.	10.6	705
7	Digoxin and its derivatives suppress TH17 cell differentiation by antagonizing ROR $\gamma^t$ activity. <i>Nature</i> , 2011, 472, 486-490.	13.7	494
8	Inherited STING-activating mutation underlies a familial inflammatory syndrome with lupus-like manifestations. <i>Journal of Clinical Investigation</i> , 2014, 124, 5516-5520.	3.9	435
9	A cryptic sensor for HIV-1 activates antiviral innate immunity in dendritic cells. <i>Nature</i> , 2010, 467, 214-217.	13.7	397
10	The Ubiquitous Glucose Transporter GLUT-1 Is a Receptor for HTLV. <i>Cell</i> , 2003, 115, 449-459.	13.5	394
11	The Capsids of HIV-1 and HIV-2 Determine Immune Detection of the Viral cDNA by the Innate Sensor cGAS in Dendritic Cells. <i>Immunity</i> , 2013, 39, 1132-1142.	6.6	328
12	The nucleus acts as a ruler tailoring cell responses to spatial constraints. <i>Science</i> , 2020, 370, .	6.0	299
13	Transmission of innate immune signaling by packaging of cGAMP in viral particles. <i>Science</i> , 2015, 349, 1232-1236.	6.0	235
14	Erythrocyte Glut1 Triggers Dehydroascorbic Acid Uptake in Mammals Unable to Synthesize Vitamin C. <i>Cell</i> , 2008, 132, 1039-1048.	13.5	225
15	Intrinsic antiproliferative activity of the innate sensor STING in T lymphocytes. <i>Journal of Experimental Medicine</i> , 2017, 214, 1769-1785.	4.2	202
16	Lentiviral Vpx Accessory Factor Targets VprBP/DCAF1 Substrate Adaptor for Cullin 4 E3 Ubiquitin Ligase to Enable Macrophage Infection. <i>PLoS Pathogens</i> , 2008, 4, e1000059.	2.1	192
17	The N-Terminal Domain of cGAS Determines Preferential Association with Centromeric DNA and Innate Immune Activation in the Nucleus. <i>Cell Reports</i> , 2019, 26, 2377-2393.e13.	2.9	166
18	Susceptibility of Human Th17 Cells to Human Immunodeficiency Virus and Their Perturbation during Infection. <i>Journal of Infectious Diseases</i> , 2010, 201, 843-854.	1.9	157

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19	NONO Detects the Nuclear HIV Capsid to Promote cGAS-Mediated Innate Immune Activation. <i>Cell</i> , 2018, 175, 488-501.e22.	13.5	154
20	Mutations in <i>COPA</i> lead to abnormal trafficking of STING to the Golgi and interferon signaling. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	130
21	Sumoylation coordinates the repression of inflammatory and anti-viral gene-expression programs during innate sensing. <i>Nature Immunology</i> , 2016, 17, 140-149.	7.0	127
22	Compromised nuclear envelope integrity drives TREX1-dependent DNA damage and tumor cell invasion. <i>Cell</i> , 2021, 184, 5230-5246.e22.	13.5	109
23	Extracellular vesicles containing ACE2 efficiently prevent infection by SARS-CoV-2 Spike protein-containing virus. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12050.	5.5	106
24	Constitutive resistance to viral infection in human CD141 <sup>+</sup> dendritic cells. <i>Science Immunology</i> , 2017, 2, .	5.6	99
25	Glucose transporter 1 expression identifies a population of cycling CD4 <sup>+</sup> CD8 <sup>+</sup> human thymocytes with high CXCR4-induced chemotaxis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12867-12872.	3.3	85
26	Dendritic Cell-Mediated trans-Enhancement of Human Immunodeficiency Virus Type 1 Infectivity Is Independent of DC-SIGN. <i>Journal of Virology</i> , 2007, 81, 2519-2523.	1.5	79
27	Bloom syndrome protein restrains innate immune sensing of micronuclei by cGAS. <i>Journal of Experimental Medicine</i> , 2019, 216, 1199-1213.	4.2	75
28	HTLV-1 tropism and envelope receptor. <i>Oncogene</i> , 2005, 24, 6016-6025.	2.6	69
29	Hiding in Plain Sight: How HIV Evades Innate Immune Responses. <i>Cell</i> , 2011, 147, 271-274.	13.5	66
30	Hepatitis B Virus Evasion From Cyclic Guanosine Monophosphate-Adenosine Monophosphate Synthase Sensing in Human Hepatocytes. <i>Hepatology</i> , 2018, 68, 1695-1709.	3.6	66
31	Emergence of vertebrate retroviruses and envelope capture. <i>Virology</i> , 2004, 318, 183-191.	1.1	65
32	Isolated receptor binding domains of HTLV-1 and HTLV-2 envelopes bind Glut-1 on activated CD4 <sup>+</sup> and CD8 <sup>+</sup> T cells. <i>Retrovirology</i> , 2007, 4, 31.	0.9	64
33	Immune-Complexed Adenovirus Induce AIM2-Mediated Pyroptosis in Human Dendritic Cells. <i>PLoS Pathogens</i> , 2016, 12, e1005871.	2.1	63
34	The HTLV receptor is an early T-cell activation marker whose expression requires de novo protein synthesis. <i>Blood</i> , 2003, 101, 1913-1918.	0.6	61
35	HTLV-1 and -2 envelope SU subdomains and critical determinants in receptor binding. <i>Retrovirology</i> , 2004, 1, 41.	0.9	57
36	The human immunodeficiency virus Vpr protein binds Cdc25C: implications for G2 arrest. <i>Virology</i> , 2004, 318, 337-349.	1.1	49

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37	Human T Cell Leukemia Virus Envelope Binding and Virus Entry Are Mediated by Distinct Domains of the Glucose Transporter GLUT1. <i>Journal of Biological Chemistry</i> , 2005, 280, 29025-29029.	1.6	45
38	Human T-Cell Leukemia Virus Type 1 Envelope-Mediated Syncytium Formation Can Be Activated in Resistant Mammalian Cell Lines by a Carboxy-Terminal Truncation of the Envelope Cytoplasmic Domain. <i>Journal of Virology</i> , 2003, 77, 963-969.	1.5	40
39	Nuclear Envelope Protein SUN2 Promotes Cyclophilin-A-Dependent Steps of HIV Replication. <i>Cell Reports</i> , 2016, 15, 879-892.	2.9	40
40	Extracellular vesicles from triple negative breast cancer promote pro-inflammatory macrophages associated with better clinical outcome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2107394119.	3.3	39
41	Diversity of Pathogen Sensors in Dendritic Cells. <i>Advances in Immunology</i> , 2013, 120, 211-237.	1.1	38
42	Combinatorial flexibility of cytokine function during human T helper cell differentiation. <i>Nature Communications</i> , 2014, 5, 3987.	5.8	38
43	Immune Responses to Retroviruses. <i>Annual Review of Immunology</i> , 2018, 36, 193-220.	9.5	36
44	Innate immune sensing of HIV infection. <i>Current Opinion in Immunology</i> , 2015, 32, 54-60.	2.4	35
45	A genetic memory initiates the epigenetic loop necessary to preserve centromere position. <i>EMBO Journal</i> , 2020, 39, e105505.	3.5	26
46	Let me in: Control of HIV nuclear entry at the nuclear envelope. <i>Cytokine and Growth Factor Reviews</i> , 2018, 40, 59-67.	3.2	25
47	Viral and cellular mechanisms of the innate immune sensing of HIV. <i>Current Opinion in Virology</i> , 2015, 11, 55-62.	2.6	20
48	HTLV envelopes and their receptor GLUT1, the ubiquitous glucose transporter: a new vision on HTLV infection?. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 3218.	3.0	15
49	A Comprehensive Map of the Monocyte-Derived Dendritic Cell Transcriptional Network Engaged upon Innate Sensing of HIV. <i>Cell Reports</i> , 2020, 30, 914-931.e9.	2.9	15
50	Gene Transduction in Human Monocyte-Derived Dendritic Cells Using Lentiviral Vectors. <i>Methods in Molecular Biology</i> , 2013, 960, 401-409.	0.4	13
51	Single-cell analysis reveals divergent responses of human dendritic cells to the MVA vaccine. <i>Science Signaling</i> , 2021, 14, .	1.6	13
52	Response: Species Diversity in GLUT Expression and Function. <i>Cell</i> , 2009, 137, 201-202.	13.5	7
53	Inhibition of HIV infection by structural proteins of the inner nuclear membrane is associated with reduced chromatin dynamics. <i>Cell Reports</i> , 2021, 36, 109763.	2.9	7
54	Preferential retroviral-mediated transduction of EBV- and CMV-specific T cells after polyclonal T-cell activation. <i>Gene Therapy</i> , 2004, 11, 1019-1022.	2.3	6

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55	A genome-wide CRISPR screen identifies regulation factors of the TLR3 signalling pathway. <i>Innate Immunity</i> , 2020, 26, 459-472.	1.1	6
56	Interactions Between HIV-1 and Innate Immunity in Dendritic Cells. <i>Advances in Experimental Medicine and Biology</i> , 2012, 762, 183-200.	0.8	4
57	cGAS & STING do it again: pivotal role in RNase H2 genetic disease. <i>EMBO Journal</i> , 2016, 35, 796-797.	3.5	3
58	RNAi in human monocyte-derived dendritic cells using shRNA vectors. <i>Protocol Exchange</i> , 0, , .	0.3	2
59	In vitro differentiation of human Th-17 CD4+ T cells. <i>Protocol Exchange</i> , 0, , .	0.3	1
60	Virus-stimulated Dendritic Cells Elicit a T Antiviral Transcriptional Signature in Human CD4+ Lymphocytes. <i>Journal of Molecular Biology</i> , 2022, 434, 167389.	2.0	1
61	Capture in the metabolic arena: co-selection of gamma and deltaretrovirus envelope glycoproteins and their receptors. <i>Retrovirology</i> , 2009, 6, .	0.9	0
62	Editorial overview: Pillars of innate immunity: constantly learning and trying to remember. <i>Current Opinion in Immunology</i> , 2019, 56, iii-vi.	2.4	0