

# Nicolas Tchitchek

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,896  
citations

304368

22  
h-index

276539

41  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3640  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Microbiota Mediates Pathogen Clearance from the Gut Lumen after Non-Typhoidal Salmonella Diarrhea. <i>PLoS Pathogens</i> , 2010, 6, e1001097.	2.1	314
2	Progenitors from the central nervous system drive neurogenesis in cancer. <i>Nature</i> , 2019, 569, 672-678.	13.7	188
3	Annotation of long non-coding RNAs expressed in Collaborative Cross founder mice in response to respiratory virus infection reveals a new class of interferon-stimulated transcripts. <i>RNA Biology</i> , 2014, 11, 875-890.	1.5	122
4	A Network Integration Approach to Predict Conserved Regulators Related to Pathogenicity of Influenza and SARS-CoV Respiratory Viruses. <i>PLoS ONE</i> , 2013, 8, e69374.	1.1	68
5	H7N9 and Other Pathogenic Avian Influenza Viruses Elicit a Three-Pronged Transcriptomic Signature That Is Reminiscent of 1918 Influenza Virus and Is Associated with Lethal Outcome in Mice. <i>Journal of Virology</i> , 2014, 88, 10556-10568.	1.5	63
6	A comprehensive collection of systems biology data characterizing the host response to viral infection. <i>Scientific Data</i> , 2014, 1, 140033.	2.4	62
7	Salivary gland epithelial cells from patients with Sjögren's syndrome induce B-lymphocyte survival and activation. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 1468-1477.	0.5	62
8	SPADEVizR: an R package for visualization, analysis and integration of SPADE results. <i>Bioinformatics</i> , 2017, 33, 779-781.	1.8	53
9	Systems approaches to influenza-virus host interactions and the pathogenesis of highly virulent and pandemic viruses. <i>Seminars in Immunology</i> , 2013, 25, 228-239.	2.7	52
10	2009 pandemic H1N1 influenza virus elicits similar clinical course but differential host transcriptional response in mouse, macaque, and swine infection models. <i>BMC Genomics</i> , 2012, 13, 627.	1.2	50
11	Low-dose IL-2 in children with recently diagnosed type 1 diabetes: a Phase I/II randomised, double-blind, placebo-controlled, dose-finding study. <i>Diabetologia</i> , 2020, 63, 1808-1821.	2.9	50
12	Improving the efficiency of multidimensional scaling in the analysis of high-dimensional data using singular value decomposition. <i>Bioinformatics</i> , 2011, 27, 1413-1421.	1.8	43
13	Innate gene signature distinguishes humoral versus cytotoxic responses to influenza vaccination. <i>Journal of Clinical Investigation</i> , 2019, 129, 1960-1971.	3.9	41
14	Vaccine Inoculation Route Modulates Early Immunity and Consequently Antigen-Specific Immune Response. <i>Frontiers in Immunology</i> , 2021, 12, 645210.	2.2	38
15	A computational approach for phenotypic comparisons of cell populations in high-dimensional cytometry data. <i>Methods</i> , 2018, 132, 66-75.	1.9	36
16	1918 Influenza Virus Hemagglutinin (HA) and the Viral RNA Polymerase Complex Enhance Viral Pathogenicity, but Only HA Induces Aberrant Host Responses in Mice. <i>Journal of Virology</i> , 2013, 87, 5239-5254.	1.5	35
17	Prime and Boost Vaccination Elicit a Distinct Innate Myeloid Cell Immune Response. <i>Scientific Reports</i> , 2018, 8, 3087.	1.6	35
18	The 1918 Influenza Virus PB2 Protein Enhances Virulence through the Disruption of Inflammatory and Wnt-Mediated Signaling in Mice. <i>Journal of Virology</i> , 2016, 90, 2240-2253.	1.5	31

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19	Mineralocorticoid Receptor Mutations Differentially Affect Individual Gene Expression Profiles in Pseudohypoaldosteronism Type 1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E519-E527.	1.8	30
20	In depth comparative phenotyping of blood innate myeloid leukocytes from healthy humans and macaques using mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 969-982.	1.1	29
21	Identification of Vaccine-Altered Circulating B Cell Phenotypes Using Mass Cytometry and a Two-Step Clustering Analysis. <i>Journal of Immunology</i> , 2016, 196, 4814-4831.	0.4	28
22	Evidence of IL-17, IP-10, and IL-10 involvement in multiple-organ dysfunction and IL-17 pathway in acute renal failure associated to Plasmodium falciparum malaria. <i>Journal of Translational Medicine</i> , 2015, 13, 369.	1.8	27
23	Interleukin-7/Interferon Axis Drives T Cell and Salivary Gland Epithelial Cell Interactions in Sjögren's Syndrome. <i>Arthritis and Rheumatology</i> , 2021, 73, 631-640.	2.9	26
24	Predictive Markers of Immunogenicity and Efficacy for Human Vaccines. <i>Vaccines</i> , 2021, 9, 579.	2.1	25
25	Sequencing, Annotation and Analysis of the Syrian Hamster ( <i>Mesocricetus auratus</i> ) Transcriptome. <i>PLoS ONE</i> , 2014, 9, e112617.	1.1	24
26	Dynamics of Vaginal and Rectal Microbiota Over Several Menstrual Cycles in Female Cynomolgus Macaques. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 188.	1.8	24
27	Innate and secondary humoral responses are improved by increasing the time between MVA vaccine immunizations. <i>Npj Vaccines</i> , 2020, 5, 24.	2.9	24
28	Mass Cytometry Analysis Reveals the Landscape and Dynamics of CD32a+ CD4+ T Cells From Early HIV Infection to Effective cART. <i>Frontiers in Immunology</i> , 2018, 9, 1217.	2.2	22
29	Early transcriptional programming links progression to hepatitis C virus-induced severe liver disease in transplant patients. <i>Hepatology</i> , 2012, 56, 17-27.	3.6	20
30	Specific mutations in H5N1 mainly impact the magnitude and velocity of the host response in mice. <i>BMC Systems Biology</i> , 2013, 7, 69.	3.0	20
31	NK cell immune responses differ after prime and boost vaccination. <i>Journal of Leukocyte Biology</i> , 2019, 105, 1055-1073.	1.5	20
32	A chemokine gene expression signature derived from meta-analysis predicts the pathogenicity of viral respiratory infections. <i>BMC Systems Biology</i> , 2011, 5, 202.	3.0	18
33	Mass Cytometry Analysis Reveals Complex Cell-State Modifications of Blood Myeloid Cells During HIV Infection. <i>Frontiers in Immunology</i> , 2019, 10, 2677.	2.2	16
34	Myocardial Gene Expression Profiling to Predict and Identify Cardiac Allograft Acute Cellular Rejection: The GET-Study. <i>PLoS ONE</i> , 2016, 11, e0167213.	1.1	14
35	Anti-MOG autoantibodies pathogenicity in children and macaques demyelinating diseases. <i>Journal of Neuroinflammation</i> , 2019, 16, 244.	3.1	14
36	Intradermal vaccination prevents anti-MOG autoimmune encephalomyelitis in macaques. <i>EBioMedicine</i> , 2019, 47, 492-505.	2.7	13

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37	CDS: A Fold-change Based Statistical Test for Concomitant Identification of Distinctness and Similarity in Gene Expression Analysis. <i>Genomics, Proteomics and Bioinformatics</i> , 2012, 10, 127-135.	3.0	12
38	Modified Vaccinia Virus Ankara Vector Induces Specific Cellular and Humoral Responses in the Female Reproductive Tract, the Main HIV Portal of Entry. <i>Journal of Immunology</i> , 2017, 199, 1923-1932.	0.4	12
39	Delayed Inflammatory and Cell Death Responses Are Associated with Reduced Pathogenicity in Lujo Virus-Infected Cynomolgus Macaques. <i>Journal of Virology</i> , 2015, 89, 2543-2552.	1.5	11
40	Characterization of Leukocytes From HIV-ART Patients Using Combined Cytometric Profiles of 72 Cell Markers. <i>Frontiers in Immunology</i> , 2019, 10, 1777.	2.2	11
41	Innate Molecular and Cellular Signature in the Skin Preceding Long-Lasting T Cell Responses after Electroporated DNA Vaccination. <i>Journal of Immunology</i> , 2020, 204, 3375-3388.	0.4	11
42	CytoBackBone: an algorithm for merging of phenotypic information from different cytometric profiles. <i>Bioinformatics</i> , 2019, 35, 4187-4189.	1.8	10
43	Stage-specific IFN-induced and IFN gene expression reveal convergence of type I and type II IFN and highlight their role in both acute and chronic stage of pathogenic SIV infection. <i>PLoS ONE</i> , 2018, 13, e0190334.	1.1	10
44	A high-resolution mass cytometry analysis reveals a delay of cytokines production after TLR4 or TLR7/8 engagements in HIV-1 infected humans. <i>Cytokine</i> , 2018, 111, 97-105.	1.4	9
45	Characterization of Phenotypes and Functional Activities of Leukocytes From Rheumatoid Arthritis Patients by Mass Cytometry. <i>Frontiers in Immunology</i> , 2019, 10, 2384.	2.2	9
46	Early blood transcriptomic signature predicts patients' outcome after out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2019, 138, 222-232.	1.3	9
47	Role of NKG2a/c+CD8+ T <sub>H</sub> cells in pathogenic versus non-pathogenic SIV infections. <i>iScience</i> , 2021, 24, 102314.	1.9	8
48	Molecular and Cellular Dynamics in the Skin, the Lymph Nodes, and the Blood of the Immune Response to Intradermal Injection of Modified Vaccinia Ankara Vaccine. <i>Frontiers in Immunology</i> , 2018, 9, 870.	2.2	7
49	Mechanisms of innate events during skin reaction following intradermal injection of seasonal influenza vaccine. <i>Journal of Proteomics</i> , 2020, 216, 103670.	1.2	7
50	Erythropoietin Levels Increase during Cerebral Malaria and Correlate with Heme, Interleukin-10 and Tumor Necrosis Factor-Alpha in India. <i>PLoS ONE</i> , 2016, 11, e0158420.	1.1	6
51	Expression sequence tag library derived from peripheral blood mononuclear cells of the chlorocephus sabaeus. <i>BMC Genomics</i> , 2012, 13, 279.	1.2	4
52	Analysis methodology and development of a statistical tool for biodistribution data from internal contamination with actinides. <i>Journal of Radiological Protection</i> , 2017, 37, 296-308.	0.6	4
53	Cynomolgus macaque IL37 polymorphism and control of SIV infection. <i>Scientific Reports</i> , 2019, 9, 7981.	1.6	3
54	Modulation of Cell Surface Receptor Expression by Modified Vaccinia Virus Ankara in Leukocytes of Healthy and HIV-Infected Individuals. <i>Frontiers in Immunology</i> , 2020, 11, 2096.	2.2	3

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55	Naive and memory CD4+ T cell subsets can contribute to the generation of human Tfh cells. IScience, 2021, 25, 103566.	1.9	3
56	The Route of Vaccine Administration Determines Whether Blood Neutrophils Undergo Long-Term Phenotypic Modifications. Frontiers in Immunology, 2021, 12, 784813.	2.2	3
57	Vaccine Inoculation Route Modulates Early Immunity and Consequently Antigen-Specific Immune Response. SSRN Electronic Journal, 0, , .	0.4	2
58	The Tsallis generalized entropy enhances the interpretation of transcriptomics datasets. PLoS ONE, 2022, 17, e0266618.	1.1	2
59	Seminal Plasma Exposures Strengthen Vaccine Responses in the Female Reproductive Tract Mucosae. Frontiers in Immunology, 2019, 10, 430.	2.2	1
60	Bacnet: a user-friendly platform for building multi-omics websites. Bioinformatics, 2021, 37, 1335-1336.	1.8	1
61	Navigating in the vast and deep oceans of high-dimensional biological data. Methods, 2018, 132, 1-2.	1.9	1