

Nicholas J Matheson

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

5,857
citations

236833

25
h-index

254106

43
g-index

66
all docs

66
docs citations

66
times ranked

10810
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. <i>Nature</i> , 2021, 599, 114-119.	13.7	1,041
2	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts infectivity and fusogenicity. <i>Nature</i> , 2022, 603, 706-714.	13.7	756
3	Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2. <i>Nature</i> , 2021, 596, 417-422.	13.7	549
4	Screening of healthcare workers for SARS-CoV-2 highlights the role of asymptomatic carriage in COVID-19 transmission. <i>ELife</i> , 2020, 9, .	2.8	423
5	Recurrent emergence of SARS-CoV-2 spike deletion H69/V70 and its role in the Alpha variant B.1.1.7. <i>Cell Reports</i> , 2021, 35, 109292.	2.9	375
6	NOTCH1 mediates a switch between two distinct secretomes during senescence. <i>Nature Cell Biology</i> , 2016, 18, 979-992.	4.6	365
7	Epigenetic silencing by the HUSH complex mediates position-effect variegation in human cells. <i>Science</i> , 2015, 348, 1481-1485.	6.0	250
8	Increased demand for NAD ⁺ relative to ATP drives aerobic glycolysis. <i>Molecular Cell</i> , 2021, 81, 691-707.e6.	4.5	232
9	Longitudinal analysis reveals that delayed bystander CD8 ⁺ T cell activation and early immune pathology distinguish severe COVID-19 from mild disease. <i>Immunity</i> , 2021, 54, 1257-1275.e8.	6.6	230
10	How does SARS-CoV-2 cause COVID-19?. <i>Science</i> , 2020, 369, 510-511.	6.0	159
11	Cell Surface Proteomic Map of HIV Infection Reveals Antagonism of Amino Acid Metabolism by Vpu and Nef. <i>Cell Host and Microbe</i> , 2015, 18, 409-423.	5.1	158
12	An Interferon-Driven Oxysterol-Based Defense against Tumor-Derived Extracellular Vesicles. <i>Cancer Cell</i> , 2019, 35, 33-45.e6.	7.7	125
13	Treatment of COVID-19 with remdesivir in the absence of humoral immunity: a case report. <i>Nature Communications</i> , 2020, 11, 6385.	5.8	103
14	Neural stem cells traffic functional mitochondria via extracellular vesicles. <i>PLoS Biology</i> , 2021, 19, e3001166.	2.6	95
15	Temporal proteomic analysis of HIV infection reveals remodelling of the host phosphoproteome by lentiviral Vif variants. <i>ELife</i> , 2016, 5, .	2.8	76
16	Promiscuous Targeting of Cellular Proteins by Vpr Drives Systems-Level Proteomic Remodeling in HIV-1 Infection. <i>Cell Reports</i> , 2019, 27, 1579-1596.e7.	2.9	75
17	Combined Point-of-Care Nucleic Acid and Antibody Testing for SARS-CoV-2 following Emergence of D614G Spike Variant. <i>Cell Reports Medicine</i> , 2020, 1, 100099.	3.3	61
18	Integrative functional genomics decodes herpes simplex virus 1. <i>Nature Communications</i> , 2020, 11, 2038.	5.8	61

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19	Dissecting cell-type-specific metabolism in pancreatic ductal adenocarcinoma. <i>ELife</i> , 2020, 9, .	2.8	61
20	Single-dose BNT162b2 vaccine protects against asymptomatic SARS-CoV-2 infection. <i>ELife</i> , 2021, 10, .	2.8	57
21	Ten years experience of Salmonella infections in Cambridge, UK. <i>Journal of Infection</i> , 2010, 60, 21-25.	1.7	52
22	The SMC5/6 complex compacts and silences unintegrated HIV-1 DNA and is antagonized by Vpr. <i>Cell Host and Microbe</i> , 2021, 29, 792-805.e6.	5.1	49
23	Point of Care Nucleic Acid Testing for SARS-CoV-2 in Hospitalized Patients: A Clinical Validation Trial and Implementation Study. <i>Cell Reports Medicine</i> , 2020, 1, 100062.	3.3	47
24	Effective control of SARS-CoV-2 transmission between healthcare workers during a period of diminished community prevalence of COVID-19. <i>ELife</i> , 2020, 9, .	2.8	40
25	Functional proteomic atlas of HIV infection in primary human CD4+ T cells. <i>ELife</i> , 2019, 8, .	2.8	34
26	B cell receptor repertoire kinetics after SARS-CoV-2 infection and vaccination. <i>Cell Reports</i> , 2022, 38, 110393.	2.9	29
27	A protease-activatable luminescent biosensor and reporter cell line for authentic SARS-CoV-2 infection. <i>PLoS Pathogens</i> , 2022, 18, e1010265.	2.1	28
28	Genomic epidemiology of SARS-CoV-2 in a UK university identifies dynamics of transmission. <i>Nature Communications</i> , 2022, 13, 751.	5.8	27
29	Dissecting Herpes Simplex Virus 1-Induced Host Shutoff at the RNA Level. <i>Journal of Virology</i> , 2021, 95, .	1.5	25
30	Efficacy of FFP3 respirators for prevention of SARS-CoV-2 infection in healthcare workers. <i>ELife</i> , 2021, 10, .	2.8	21
31	Evidence of previous SARS-CoV-2 infection in seronegative patients with long COVID. <i>EBioMedicine</i> , 2022, 81, 104129.	2.7	21
32	Antibody-Free Magnetic Cell Sorting of Genetically Modified Primary Human CD4+ T Cells by One-Step Streptavidin Affinity Purification. <i>PLoS ONE</i> , 2014, 9, e111437.	1.1	20
33	Cushing's syndrome and adrenal axis suppression in a patient treated with ritonavir and corticosteroid eye drops. <i>Aids</i> , 2011, 25, 1337-1339.	1.0	18
34	Rebooting medical education with virtual grand rounds during the COVID-19 pandemic. <i>Future Healthcare Journal</i> , 2021, 8, e11-e14.	0.6	16
35	Antagonism of PP2A is an independent and conserved function of HIV-1 Vif and causes cell cycle arrest. <i>ELife</i> , 2020, 9, .	2.8	15
36	Manipulation of immunometabolism by HIV's "accessories to the crime?". <i>Current Opinion in Virology</i> , 2016, 19, 65-70.	2.6	13

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37	How achievable are COVID-19 clinical trial recruitment targets? A UK observational cohort study and trials registry analysis. <i>BMJ Open</i> , 2020, 10, e044566.	0.8	11
38	Mass testing of university students for covid-19. <i>BMJ, The</i> , 2021, 375, n2388.	3.0	10
39	EWI-2 Inhibits Cell-Cell Fusion at the HIV-1 Virological Presynapse. <i>Viruses</i> , 2019, 11, 1082.	1.5	8
40	Comparative Cell Surface Proteomic Analysis of the Primary Human T Cell and Monocyte Responses to Type I Interferon. <i>Frontiers in Immunology</i> , 2021, 12, 600056.	2.2	7
41	Antagonism of aminoacid transport in primary CD4 T cells by HIV-1 Vpu. <i>Lancet, The</i> , 2015, 385, S66.	6.3	5
42	Development of a colorimetric assay for the detection of SARS-CoV-2 3CLpro activity. <i>Biochemical Journal</i> , 2022, 479, 901-920.	1.7	3
43	Skier's toe: traumatic onycholysis complicated by <i>Pseudomonas chloronychia</i> . <i>BMJ Case Reports</i> , 2009, 2009, bcr0720092074-bcr0720092074.	0.2	2
44	A sugar coated solution. <i>Journal of Infection</i> , 2009, 59, S434-S435.	1.7	0
45	Neuraminidase inhibitors beneficial for treatment and prevention of influenza in children. <i>Journal of Pediatrics</i> , 2010, 156, 510-511.	0.9	0
46	Plasma membrane proteomics identifies Notch1 as a potential regulator of ras-induced senescence. <i>Lancet, The</i> , 2013, 381, S49.	6.3	0