

# Michael D Buck

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

8,178  
citations

304743

22  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

13347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Competition in the Tumor Microenvironment Is a Driver of Cancer Progression. <i>Cell</i> , 2015, 162, 1229-1241.	28.9	2,158
2	Mitochondrial Dynamics Controls T Cell Fate through Metabolic Programming. <i>Cell</i> , 2016, 166, 63-76.	28.9	1,025
3	T cell metabolism drives immunity. <i>Journal of Experimental Medicine</i> , 2015, 212, 1345-1360.	8.5	937
4	Metabolic Instruction of Immunity. <i>Cell</i> , 2017, 169, 570-586.	28.9	871
5	Memory CD8+ T Cells Use Cell-Intrinsic Lipolysis to Support the Metabolic Programming Necessary for Development. <i>Immunity</i> , 2014, 41, 75-88.	14.3	650
6	CD8 memory T cells have a bioenergetic advantage that underlies their rapid recall ability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14336-14341.	7.1	428
7	Type 1 Interferons Induce Changes in Core Metabolism that Are Critical for Immune Function. <i>Immunity</i> , 2016, 44, 1325-1336.	14.3	248
8	Polyamines and eIF5A Hypusination Modulate Mitochondrial Respiration and Macrophage Activation. <i>Cell Metabolism</i> , 2019, 30, 352-363.e8.	16.2	223
9	Arginase 1 is an innate lymphoid-cell-intrinsic metabolic checkpoint controlling type 2 inflammation. <i>Nature Immunology</i> , 2016, 17, 656-665.	14.5	215
10	Mitochondrial Priming by CD28. <i>Cell</i> , 2017, 171, 385-397.e11.	28.9	212
11	Acetate Promotes T Cell Effector Function during Glucose Restriction. <i>Cell Reports</i> , 2019, 27, 2063-2074.e5.	6.4	205
12	Helminth infection reactivates latent $\hat{\beta}$ -herpesvirus via cytokine competition at a viral promoter. <i>Science</i> , 2014, 345, 573-577.	12.6	172
13	STAT2 Mediates Innate Immunity to Dengue Virus in the Absence of STAT1 via the Type I Interferon Receptor. <i>PLoS Pathogens</i> , 2011, 7, e1001297.	4.7	124
14	The receptor DNGR-1 signals for phagosomal rupture to promote cross-presentation of dead-cell-associated antigens. <i>Nature Immunology</i> , 2021, 22, 140-153.	14.5	104
15	An iminosugar with potent inhibition of dengue virus infection in vivo. <i>Antiviral Research</i> , 2013, 98, 35-43.	4.1	83
16	Mitochondrial Membrane Potential Regulates Nuclear Gene Expression in Macrophages Exposed to Prostaglandin E2. <i>Immunity</i> , 2018, 49, 1021-1033.e6.	14.3	75
17	An isoform of Dicer protects mammalian stem cells against multiple RNA viruses. <i>Science</i> , 2021, 373, 231-236.	12.6	67
18	Secreted gelsolin inhibits DNGR-1-dependent cross-presentation and cancer immunity. <i>Cell</i> , 2021, 184, 4016-4031.e22.	28.9	63

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19	Autophagy Genes Enhance Murine Gammaherpesvirus 68 Reactivation from Latency by Preventing Virus-Induced Systemic Inflammation. <i>Cell Host and Microbe</i> , 2016, 19, 91-101.	11.0	56
20	Inhibition of endoplasmic reticulum glucosidases is required for inÂvitro and inÂvivo dengue antiviral activity by the iminosugar UV-4. <i>Antiviral Research</i> , 2016, 129, 93-98.	4.1	52
21	Inhibition of Dengue Virus Infections in Cell Cultures and in AG129 Mice by a Small Interfering RNA Targeting a Highly Conserved Sequence. <i>Journal of Virology</i> , 2011, 85, 10154-10166.	3.4	50
22	Dengue Virus Evolution under a Host-Targeted Antiviral. <i>Journal of Virology</i> , 2015, 89, 5592-5601.	3.4	49
23	Fever supports CD8 <sup>+</sup> effector T cell responses by promoting mitochondrial translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
24	Tracking the Evolution of Dengue Virus Strains D2S10 and D2S20 by 454 Pyrosequencing. <i>PLoS ONE</i> , 2013, 8, e54220.	2.5	18
25	Tonic TCR Signaling Inversely Regulates the Basal Metabolism of CD4+ T Cells. <i>ImmunoHorizons</i> , 2020, 4, 485-497.	1.8	14
26	Recruitment of dendritic cell progenitors to foci of influenza A virus infection sustains immunity. <i>Science Immunology</i> , 2021, 6, eabi9331.	11.9	14
27	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. <i>Wellcome Open Research</i> , 2021, 6, 9.	1.8	13
28	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. <i>Wellcome Open Research</i> , 2021, 6, 9.	1.8	11
29	Better late than never: antivirals for dengue. <i>Expert Review of Anti-Infective Therapy</i> , 2011, 9, 755-757.	4.4	7
30	T cell metabolism drives immunity. <i>Journal of Cell Biology</i> , 2015, 210, 2104OIA169.	5.2	4