

David R Mcilwain

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

4,242
citations

430874

18
h-index

345221

36
g-index

48
all docs

48
docs citations

48
times ranked

7800
citing authors

#	ARTICLE	IF	CITATIONS
1	Caspase Functions in Cell Death and Disease. Cold Spring Harbor Perspectives in Biology, 2013, 5, a008656-a008656.	5.5	1,660
2	Coordinated Cellular Neighborhoods Orchestrate Antitumoral Immunity at the Colorectal Cancer Invasive Front. Cell, 2020, 182, 1341-1359.e19.	28.9	464
3	iRhom2 Regulation of TACE Controls TNF-Mediated Protection Against <i>Listeria</i> and Responses to LPS. Science, 2012, 335, 229-232.	12.6	292
4	ACE2 localizes to the respiratory cilia and is not increased by ACE inhibitors or ARBs. Nature Communications, 2020, 11, 5453.	12.8	191
5	Smg1 is required for embryogenesis and regulates diverse genes via alternative splicing coupled to nonsense-mediated mRNA decay. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12186-12191.	7.1	156
6	iRhom2 controls the substrate selectivity of stimulated ADAM17-dependent ectodomain shedding. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11433-11438.	7.1	138
7	iRHOM2 is a critical pathogenic mediator of inflammatory arthritis. Journal of Clinical Investigation, 2013, 123, 928-32.	8.2	129
8	iRhoms 1 and 2 are essential upstream regulators of ADAM17-dependent EGFR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6080-6085.	7.1	121
9	Single-Cell Profiling of Ebola Virus Disease In Vivo Reveals Viral and Host Dynamics. Cell, 2020, 183, 1383-1401.e19.	28.9	79
10	Efficacy, immunogenicity, and safety of an oral influenza vaccine: a placebo-controlled and active-controlled phase 2 human challenge study. Lancet Infectious Diseases, The, 2020, 20, 435-444.	9.1	79
11	Involvement of Toso in activation of monocytes, macrophages, and granulocytes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2593-2598.	7.1	67
12	Deletions in the cytoplasmic domain of iRhom1 and iRhom2 promote shedding of the TNF receptor by the protease ADAM17. Science Signaling, 2015, 8, ra109.	3.6	60
13	Integration of mechanistic immunological knowledge into a machine learning pipeline improves predictions. Nature Machine Intelligence, 2020, 2, 619-628.	16.0	52
14	A Comprehensive Atlas of Immunological Differences Between Humans, Mice, and Non-Human Primates. Frontiers in Immunology, 2022, 13, 867015.	4.8	46
15	Adjacent Cell Marker Lateral Spillover Compensation and Reinforcement for Multiplexed Images. Frontiers in Immunology, 2021, 12, 652631.	4.8	28
16	Landscape of coordinated immune responses to H1N1 challenge in humans. Journal of Clinical Investigation, 2020, 130, 5800-5816.	8.2	28
17	Functional comparison of PBMCs isolated by Cell Preparation Tubes (CPT) vs. Lymphoprep Tubes. BMC Immunology, 2020, 21, 15.	2.2	27
18	Deficiency of the B Cell-Activating Factor Receptor Results in Limited CD169 ⁺ Macrophage Function during Viral Infection. Journal of Virology, 2015, 89, 4748-4759.	3.4	22

#	ARTICLE	IF	CITATIONS
19	NK Cells Regulate CD8+ T Cell Mediated Autoimmunity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 36.	3.9	20
20	Integrated plasma proteomic and single-cell immune signaling network signatures demarcate mild, moderate, and severe COVID-19. <i>Cell Reports Medicine</i> , 2022, 3, 100680.	6.5	19
21	T cell STAT3 is required for the maintenance of humoral immunity to LCMV. <i>European Journal of Immunology</i> , 2015, 45, 418-427.	2.9	17
22	The xenoestrogens biphenol A and nonylphenol differentially regulate metalloprotease-mediated shedding of EGFR ligands. <i>Journal of Cellular Physiology</i> , 2018, 233, 2247-2256.	4.1	16
23	iRhom2 regulates CSF1R cell surface expression and non-steady state myelopoiesis in mice. <i>European Journal of Immunology</i> , 2016, 46, 2737-2748.	2.9	14
24	Human influenza virus challenge identifies cellular correlates of protection for oral vaccination. <i>Cell Host and Microbe</i> , 2021, 29, 1828-1837.e5.	11.0	14
25	ADAM17 stabilizes its interacting partner inactive Rhomboid 2 (iRhom2) but not inactive Rhomboid 1 (iRhom1). <i>Journal of Biological Chemistry</i> , 2020, 295, 4350-4358.	3.4	12
26	Determinants of SARS-CoV-2 entry and replication in airway mucosal tissue and susceptibility in smokers. <i>Cell Reports Medicine</i> , 2021, 2, 100421.	6.5	11
27	Coordinated Cellular Neighborhoods Orchestrate Antitumoral Immunity at the Colorectal Cancer Invasive Front. <i>SSRN Electronic Journal</i> , 0, , .	0.4	8
28	Immunogenicity of rVSV-G-ZEBOV-GP Ebola vaccination in exposed and potentially exposed persons in the Democratic Republic of the Congo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	8
29	Rhesus Macaque CODEX Multiplexed Immunohistochemistry Panel for Studying Immune Responses During Ebola Infection. <i>Frontiers in Immunology</i> , 2021, 12, 729845.	4.8	7
30	RAIDD Mediates TLR3 and IRF7 Driven Type I Interferon Production. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 1271-1280.	1.6	5
31	Innovative Technologies for Advancement of WHO Risk Group 4 Pathogens Research. , 2019, , 437-469.		5
32	Role of iRhoms 1 and 2 in Endochondral Ossification. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8732.	4.1	4
33	Performance of BioFire array or QuickVue influenza A test versus a validation qPCR assay for detection of influenza A during a volunteer A/California/2009/H1N1 challenge study. <i>Virology Journal</i> , 2021, 18, 45.	3.4	4
34	Zoonotic risk factors associated with seroprevalence of Ebola virus GP antibodies in the absence of diagnosed Ebola virus disease in the Democratic Republic of Congo. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009566.	3.0	4
35	Variation of Immune Cell Responses in Humans Reveals Sex-Specific Coordinated Signaling Across Cell Types. <i>Frontiers in Immunology</i> , 2022, 13, 867016.	4.8	4
36	Virus-Dependent Immune Conditioning of Tissue Microenvironments. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1