

Aaron M Ring

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

12,970
citations

66343

42
h-index

144013

57
g-index

75
all docs

75
docs citations

75
times ranked

23852
citing authors

#	ARTICLE	IF	CITATIONS
1	PD-1 expression by tumour-associated macrophages inhibits phagocytosis and tumour immunity. <i>Nature</i> , 2017, 545, 495-499.	27.8	1,489
2	Sex differences in immune responses that underlie COVID-19 disease outcomes. <i>Nature</i> , 2020, 588, 315-320.	27.8	1,035
3	Activation and allosteric modulation of a muscarinic acetylcholine receptor. <i>Nature</i> , 2013, 504, 101-106.	27.8	779
4	Neuroinvasion of SARS-CoV-2 in human and mouse brain. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	677
5	Diverse functional autoantibodies in patients with COVID-19. <i>Nature</i> , 2021, 595, 283-288.	27.8	619
6	Exploiting a natural conformational switch to engineer an interleukin-2 "superkine"™. <i>Nature</i> , 2012, 484, 529-533.	27.8	438
7	Adrenaline-activated structure of β_2 -adrenoceptor stabilized by an engineered nanobody. <i>Nature</i> , 2013, 502, 575-579.	27.8	436
8	Engineered SIRP \pm Variants as Immunotherapeutic Adjuvants to Anticancer Antibodies. <i>Science</i> , 2013, 341, 88-91.	12.6	401
9	SARS-CoV-2 infection of the placenta. <i>Journal of Clinical Investigation</i> , 2020, 130, 4947-4953.	8.2	387
10	Engagement of MHC class I by the inhibitory receptor LILRB1 suppresses macrophages and is a target of cancer immunotherapy. <i>Nature Immunology</i> , 2018, 19, 76-84.	14.5	370
11	Yeast surface display platform for rapid discovery of conformationally selective nanobodies. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 289-296.	8.2	360
12	Mouse model of SARS-CoV-2 reveals inflammatory role of type I interferon signaling. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	357
13	CD47-blocking immunotherapies stimulate macrophage-mediated destruction of small-cell lung cancer. <i>Journal of Clinical Investigation</i> , 2016, 126, 2610-2620.	8.2	336
14	GDF15 Is an Inflammation-Induced Central Mediator of Tissue Tolerance. <i>Cell</i> , 2019, 178, 1231-1244.e11.	28.9	319
15	Engineering high-affinity PD-1 variants for optimized immunotherapy and immuno-PET imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6506-14.	7.1	299
16	Immune responses to SARS-CoV-2 infection in hospitalized pediatric and adult patients. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	298
17	Anti-SIRP \pm antibody immunotherapy enhances neutrophil and macrophage antitumor activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10578-E10585.	7.1	223
18	A Forward Chemical Genetic Screen Reveals Gut Microbiota Metabolites That Modulate Host Physiology. <i>Cell</i> , 2019, 177, 1217-1231.e18.	28.9	221

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19	Angiotensin II signaling increases activity of the renal Na-Cl cotransporter through a WNK4-SPAK-dependent pathway. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4384-4389.	7.1	215
20	Mechanistic and structural insight into the functional dichotomy between IL-2 and IL-15. Nature Immunology, 2012, 13, 1187-1195.	14.5	206
21	Molecular Physiology of the WNK Kinases. Annual Review of Physiology, 2008, 70, 329-355.	13.1	202
22	IL-18BP is a secreted immune checkpoint and barrier to IL-18 immunotherapy. Nature, 2020, 583, 609-614.	27.8	195
23	Antibodies to Interleukin-2 Elicit Selective T Cell Subset Potentiation through Distinct Conformational Mechanisms. Immunity, 2015, 42, 815-825.	14.3	191
24	Delayed production of neutralizing antibodies correlates with fatal COVID-19. Nature Medicine, 2021, 27, 1178-1186.	30.7	183
25	Cytokine therapy reverses NK cell anergy in MHC-deficient tumors. Journal of Clinical Investigation, 2014, 124, 4781-4794.	8.2	161
26	An SGK1 site in WNK4 regulates Na ⁺ channel and K ⁺ channel activity and has implications for aldosterone signaling and K ⁺ homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4025-4029.	7.1	147
27	Interleukin-2 Activity Can Be Fine Tuned with Engineered Receptor Signaling Clamps. Immunity, 2015, 42, 826-838.	14.3	147
28	Hematopoietic stem cell transplantation in immunocompetent hosts without radiation or chemotherapy. Science Translational Medicine, 2016, 8, 351ra105.	12.4	140
29	The intersection of COVID-19 and autoimmunity. Journal of Clinical Investigation, 2021, 131, .	8.2	138
30	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. Med, 2021, 2, 591-610.e10.	4.4	122
31	WNK4 regulates activity of the epithelial Na ⁺ channel <i>in vitro</i> and <i>in vivo</i> . Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4020-4024.	7.1	121
32	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. Cell Reports Medicine, 2021, 2, 100288.	6.5	121
33	Regulatory T cells control NK cells in an insulitic lesion by depriving them of IL-2. Journal of Experimental Medicine, 2013, 210, 1153-1165.	8.5	120
34	Enteric Nervous System-Derived IL-18 Orchestrates Mucosal Barrier Immunity. Cell, 2020, 180, 50-63.e12.	28.9	120
35	WNK Protein Kinases Modulate Cellular Cl ⁻ Flux by Altering the Phosphorylation State of the Na-K-Cl and K-Cl Cotransporters. Physiology, 2006, 21, 326-335.	3.1	105
36	Practical Immuno-PET Radiotracer Design Considerations for Human Immune Checkpoint Imaging. Journal of Nuclear Medicine, 2017, 58, 538-546.	5.0	102

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37	Structure and Dynamics of PD-L1 and an Ultra-High-Affinity PD-1 Receptor Mutant. <i>Structure</i> , 2016, 24, 1719-1728.	3.3	86
38	Engineering of High Affinity CD47 Ectodomain as Signal Regulatory Protein 1 (SIRP1) Antagonists That Enhance Antibody-dependent Cellular Phagocytosis. <i>Journal of Biological Chemistry</i> , 2015, 290, 12650-12663.	3.4	75
39	WNK2 Kinase Is a Novel Regulator of Essential Neuronal Cation-Chloride Cotransporters. <i>Journal of Biological Chemistry</i> , 2011, 286, 30171-30180.	3.4	73
40	Decoupling the Functional Pleiotropy of Stem Cell Factor by Tuning c-Kit Signaling. <i>Cell</i> , 2017, 168, 1041-1052.e18.	28.9	70
41	T cells expressing chimeric antigen receptor promote immune tolerance. <i>JCI Insight</i> , 2017, 2, .	5.0	68
42	Eradication of Canine Diffuse Large B-Cell Lymphoma in a Murine Xenograft Model with CD47 Blockade and Anti-CD20. <i>Cancer Immunology Research</i> , 2016, 4, 1072-1087.	3.4	46
43	The intestinal parasite <i>Cryptosporidium</i> is controlled by an enterocyte intrinsic inflammasome that depends on NLRP6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	39
44	Single-cell profiling of proteins and chromatin accessibility using PHAGE-ATAC. <i>Nature Biotechnology</i> , 2022, 40, 374-381.	17.5	31
45	High-throughput identification of autoantibodies that target the human exoproteome. <i>Cell Reports Methods</i> , 2022, 2, 100172.	2.9	22
46	Lack of association between pandemic chilblains and SARS-CoV-2 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
47	Newborn Dried Blood Spots for Serologic Surveys of COVID-19. <i>Pediatric Infectious Disease Journal</i> , 2020, 39, e454-e456.	2.0	17
48	Improving macrophage responses to therapeutic antibodies by molecular engineering of SIRP1 variants. <i>Oncot Immunology</i> , 2013, 2, e25773.	4.6	13
49	Evolutionarily conserved resistance to phagocytosis observed in melanoma cells is insensitive to upregulation of pro-phagocytic signals and to CD47 blockade. <i>Melanoma Research</i> , 2020, 30, 147-158.	1.2	12
50	A human secretome library screen reveals a role for Peptidoglycan Recognition Protein 1 in Lyme borreliosis. <i>PLoS Pathogens</i> , 2020, 16, e1009030.	4.7	9
51	Longitudinal Immune Profiling of a Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection in a Solid Organ Transplant Recipient. <i>Journal of Infectious Diseases</i> , 2022, 225, 374-384.	4.0	7
52	CD47-blocking therapies stimulate macrophage cytokine secretion and are effective in a model of peritoneal carcinomatosis. , 2015, 3, .		4
53	An <i>Ixodes scapularis</i> Protein Disulfide Isomerase Contributes to <i>Borrelia burgdorferi</i> Colonization of the Vector. <i>Infection and Immunity</i> , 2020, 88, .	2.2	4
54	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. <i>Nature</i> , 2021, 597, E10-E11.	27.8	4

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55	HSC transplantation in an immunocompetent host without radiation or chemotherapy. <i>Experimental Hematology</i> , 2015, 43, S57.	0.4	3
56	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. , 2021, , .		3
57	Mouse Model of SARS-CoV-2 Reveals Inflammatory Role of Type I Interferon Signaling. <i>SSRN Electronic Journal</i> , 2020, , 3628297.	0.4	3
58	Abstract S03-03: Cancer patients display diminished viral RNA clearance and altered T cell responses during SARS-CoV-2 infection. , 2021, , .		0
59	68. Active Monitoring of a Healthcare Worker Cohort During the COVID-19 Epidemic. <i>Open Forum Infectious Diseases</i> , 2020, 7, S165-S165.	0.9	0