Aaron M Ring

List of Publications by Year
in descending order

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	Single-cell profiling of proteins and chromatin accessibility using PHAGE-ATAC. Nature Biotechnology, 2022, 40, 374-381.	17.5	31
2	Longitudinal Immune Profiling of a Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection in a Solid Organ Transplant Recipient. Journal of Infectious Diseases, 2022, 225, 374-384.	4.0	7
3	Lack of association between pandemic chilblains and SARS-CoV-2 infection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	18
4	High-throughput identification of autoantibodies that target the human exoproteome. Cell Reports Methods, 2022, 2, 100172.	2.9	22
5	Neuroinvasion of SARS-CoV-2 in human and mouse brain. Journal of Experimental Medicine, 2021, 218, .	8.5	677
6	Abstract S03-03: Cancer patients display diminished viral RNA clearance and altered T cell responses during SARS-CoV-2 infection. , 2021, , .		0
7	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. , 2021, , .		3
8	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
9	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
10	Delayed production of neutralizing antibodies correlates with fatal COVID-19. Nature Medicine, 2021, 27, 1178-1186.	30.7	183
11	Diverse functional autoantibodies in patients with COVID-19. Nature, 2021, 595, 283-288.	27.8	619
12	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. Nature, 2021, 597, E10-E11.	27.8	4
13	The intestinal parasite <i>Cryptosporidium</i> is controlled by an enterocyte intrinsic inflammasome that depends on NLRP6. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	39
14	The intersection of COVID-19 and autoimmunity. Journal of Clinical Investigation, 2021, 131, .	8.2	138
15	Enteric Nervous System-Derived IL-18 Orchestrates Mucosal Barrier Immunity. Cell, 2020, 180, 50-63.e12.	28.9	120
16	Sex differences in immune responses that underlie COVID-19 disease outcomes. Nature, 2020, 588, 315-320.	27.8	1,035
17	Newborn Dried Blood Spots for Serologic Surveys of COVID-19. Pediatric Infectious Disease Journal, 2020, 39, e454-e456.	2.0	17
18	Mouse model of SARS-CoV-2 reveals inflammatory role of type I interferon signaling. Journal of Experimental Medicine, 2020, 217, .	8.5	357

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19	An Ixodes scapularis Protein Disulfide Isomerase Contributes to Borrelia burgdorferi Colonization of the Vector. Infection and Immunity, 2020, 88, .	2.2	4
20	Immune responses to SARS-CoV-2 infection in hospitalized pediatric and adult patients. Science Translational Medicine, 2020, 12, .	12.4	298
21	IL-18BP is a secreted immune checkpoint and barrier to IL-18 immunotherapy. Nature, 2020, 583, 609-614.	27.8	195
22	Evolutionarily conserved resistance to phagocytosis observed in melanoma cells is insensitive to upregulation of pro-phagocytic signals and to CD47 blockade. Melanoma Research, 2020, 30, 147-158.	1.2	12
23	SARSâ€"CoV-2 infection of the placenta. Journal of Clinical Investigation, 2020, 130, 4947-4953.	8.2	387
24	A human secretome library screen reveals a role for Peptidoglycan Recognition Protein 1 in Lyme borreliosis. PLoS Pathogens, 2020, 16, e1009030.	4.7	9
25	Mouse Model of SARS-CoV-2 Reveals Inflammatory Role of Type I Interferon Signaling. SSRN Electronic Journal, 2020, , 3628297.	0.4	3
26	68. Active Monitoring of a Healthcare Worker Cohort During the COVID-19 Epidemic. Open Forum Infectious Diseases, 2020, 7, S165-S165.	0.9	0
27	GDF15 Is an Inflammation-Induced Central Mediator of Tissue Tolerance. Cell, 2019, 178, 1231-1244.e11.	28.9	319
28	A Forward Chemical Genetic Screen Reveals Gut Microbiota Metabolites That Modulate Host Physiology. Cell, 2019, 177, 1217-1231.e18.	28.9	221
29	Yeast surface display platform for rapid discovery of conformationally selective nanobodies. Nature Structural and Molecular Biology, 2018, 25, 289-296.	8.2	360
30	Engagement of MHC class I by the inhibitory receptor LILRB1 suppresses macrophages and is a target of cancer immunotherapy. Nature Immunology, 2018, 19, 76-84.	14.5	370
31	Decoupling the Functional Pleiotropy of Stem Cell Factor by Tuning c-Kit Signaling. Cell, 2017, 168, 1041-1052.e18.	28.9	70
32	PD-1 expression by tumour-associated macrophages inhibits phagocytosis and tumour immunity. Nature, 2017, 545, 495-499.	27.8	1,489
33	Practical Immuno-PET Radiotracer Design Considerations for Human Immune Checkpoint Imaging. Journal of Nuclear Medicine, 2017, 58, 538-546.	5.0	102
34	Anti-SIRPÎ± antibody immunotherapy enhances neutrophil and macrophage antitumor activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10578-E10585.	7.1	223
35	T cells expressing chimeric antigen receptor promote immune tolerance. JCI Insight, 2017, 2, .	5.0	68
36	CD47-blocking immunotherapies stimulate macrophage-mediated destruction of small-cell lung cancer. Journal of Clinical Investigation, 2016, 126, 2610-2620.	8.2	336

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37	Structure and Dynamics of PD-L1 and an Ultra-High-Affinity PD-1 Receptor Mutant. Structure, 2016, 24, 1719-1728.	3.3	86
38	Eradication of Canine Diffuse Large B-Cell Lymphoma in a Murine Xenograft Model with CD47 Blockade and Anti-CD20. Cancer Immunology Research, 2016, 4, 1072-1087.	3.4	46
39	Hematopoietic stem cell transplantation in immunocompetent hosts without radiation or chemotherapy. Science Translational Medicine, 2016, 8, 351ra105.	12.4	140
40	HSC transplantation in an immunocompetent host without radiation or chemotherapy. Experimental Hematology, 2015, 43, S57.	0.4	3
41	CD47-blocking therapies stimulate macrophage cytokine secretion and are effective in a model of peritoneal carcinomatosis. , 2015, 3, .		4
42	Antibodies to Interleukin-2 Elicit Selective T Cell Subset Potentiation through Distinct Conformational Mechanisms. Immunity, 2015, 42, 815-825.	14.3	191
43	Interleukin-2 Activity Can Be Fine Tuned with Engineered Receptor Signaling Clamps. Immunity, 2015, 42, 826-838.	14.3	147
44	â€œVelcroâ€•Engineering of High Affinity CD47 Ectodomain as Signal Regulatory Protein Î± (SIRPÎ±) Antagonists That Enhance Antibody-dependent Cellular Phagocytosis. Journal of Biological Chemistry, 2015, 290, 12650-12663.	3.4	75
45	Engineering high-affinity PD-1 variants for optimized immunotherapy and immuno-PET imaging. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6506-14.	7.1	299
46	Cytokine therapy reverses NK cell anergy in MHC-deficient tumors. Journal of Clinical Investigation, 2014, 124, 4781-4794.	8.2	161
47	Activation and allosteric modulation of a muscarinic acetylcholine receptor. Nature, 2013, 504, 101-106.	27.8	779
48	Adrenaline-activated structure of Î²2-adrenoceptor stabilized by an engineered nanobody. Nature, 2013, 502, 575-579.	27.8	436
49	Engineered SIRPÎ± Variants as Immunotherapeutic Adjuvants to Anticancer Antibodies. Science, 2013, 341, 88-91.	12.6	401
50	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
51	Improving macrophage responses to therapeutic antibodies by molecular engineering of SIRPÎ± variants. OncoImmunology, 2013, 2, e25773.	4.6	13
52	Mechanistic and structural insight into the functional dichotomy between IL-2 and IL-15. Nature Immunology, 2012, 13, 1187-1195.	14.5	206
53	Exploiting a natural conformational switch to engineer an interleukin-2 â€˜superkineâ€™. Nature, 2012, 484, 529-533.	27.8	438
54	WNK2 Kinase Is a Novel Regulator of Essential Neuronal Cation-Chloride Cotransporters. Journal of Biological Chemistry, 2011, 286, 30171-30180.	3.4	73

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55	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
56	Molecular Physiology of the WNK Kinases. Annual Review of Physiology, 2008, 70, 329-355.	13.1	202
57	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
58	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
59	WNK Protein Kinases Modulate Cellular Clâˆ’ Flux by Altering the Phosphorylation State of the Na-K-Cl and K-Cl Cotransporters. Physiology, 2006, 21, 326-335.	3.1	105