Albert C Shaw

List of Publications by Year
in descending order

59 papers	**7,755** citations	159525 **30** h-index	155592 **55** g-index
65 all docs	**65** docs citations	**65** times ranked	**14804** citing authors

#	Article	IF	Citations
1	Longitudinal analyses reveal immunological misfiring in severe COVID-19. Nature, 2020, 584, 463-469.	13.7	1,710
2	Age-dependent dysregulation of innate immunity. Nature Reviews Immunology, 2013, 13, 875-887.	10.6	847
3	Aging of the innate immune system. Current Opinion in Immunology, 2010, 22, 507-513.	2.4	528
4	Age-Associated Decrease in TLR Function in Primary Human Dendritic Cells Predicts Influenza Vaccine Response. Journal of Immunology, 2010, 184, 2518-2527.	0.4	472
5	Human innate immunosenescence: causes and consequences for immunity in old age. Trends in Immunology, 2009, 30, 325-333.	2.9	413
6	Triggering TLR signaling in vaccination. Trends in Immunology, 2006, 27, 49-55.	2.9	327
7	Age-Associated Defect in Human TLR-1/2 Function. Journal of Immunology, 2007, 178, 970-975.	0.4	313
8	Î²-Hydroxybutyrate Deactivates Neutrophil NLRP3 Inflammasome to Relieve Gout Flares. Cell Reports, 2017, 18, 2077-2087.	2.9	271
9	Mx1 reveals innate pathways to antiviral resistance and lethal influenza disease. Science, 2016, 352, 463-466.	6.0	210
10	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity. Nature, 2021, 600, 523-529.	13.7	194
11	Dysregulation of human Toll-like receptor function in aging. Ageing Research Reviews, 2011, 10, 346-353.	5.0	183
12	Delayed production of neutralizing antibodies correlates with fatal COVID-19. Nature Medicine, 2021, 27, 1178-1186.	15.2	183
13	Chitinase 3â€"Like 1 Suppresses Injury and Promotes Fibroproliferative Responses in Mammalian Lung Fibrosis. Science Translational Medicine, 2014, 6, 240ra76.	5.8	162
14	Prevaccine Determination of the Expression of Costimulatory B7 Molecules in Activated Monocytes Predicts Influenza Vaccine Responses in Young and Older Adults. Journal of Infectious Diseases, 2007, 195, 1590-1597.	1.9	152
15	Perfect timing: circadian rhythms, sleep, and immunity â€" an NIH workshop summary. JCI Insight, 2020, 5, .	2.3	136
16	Paradoxical changes in innate immunity in aging: recent progress and new directions. Journal of Leukocyte Biology, 2015, 98, 937-943.	1.5	127
17	Ageâ€associated elevation in TLR5 leads to increased inflammatory responses in the elderly. Aging Cell, 2012, 11, 104-110.	3.0	125
18	Top3Î² is an RNA topoisomerase that works with fragile X syndrome protein to promote synapse formation. Nature Neuroscience, 2013, 16, 1238-1247.	7.1	124

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19	Multicohort analysis reveals baseline transcriptional predictors of influenza vaccination responses. Science Immunology, 2017, 2, .	5.6	122
20	Toll–Like Receptors in Older Adults. Journal of the American Geriatrics Society, 2007, 55, 1438-1444.	1.3	113
21	Aging impairs both primary and secondary RIG-I signaling for interferon induction in human monocytes. Science Signaling, 2017, 10, .	1.6	113
22	Single-cell multi-omics reveals dyssynchrony of the innate and adaptive immune system in progressive COVID-19. Nature Communications, 2022, 13, 440.	5.8	100
23	Activated Ras Signals Developmental Progression of Recombinase-activating Gene (RAG)-deficient Pro-B Lymphocytes. Journal of Experimental Medicine, 1999, 189, 123-129.	4.2	83
24	Aging-dependent alterations in gene expression and a mitochondrial signature of responsiveness to human influenza vaccination. Aging, 2015, 7, 38-52.	1.4	72
25	Cytokine Response Signatures in Disease Progression and Development of Severe Clinical Outcomes for Leptospirosis. PLoS Neglected Tropical Diseases, 2013, 7, e2457.	1.3	67
26	Host Resistance and Immune Aging. Clinics in Geriatric Medicine, 2016, 32, 415-432.	1.0	65
27	Prolonged Proinflammatory Cytokine Production in Monocytes Modulated by Interleukin 10 After Influenza Vaccination in Older Adults. Journal of Infectious Diseases, 2015, 211, 1174-1184.	1.9	62
28	Dendritic cells in the circulation of women with preeclampsia demonstrate a pro-inflammatory bias secondary to dysregulation of TLR receptors. Journal of Reproductive Immunology, 2012, 94, 210-215.	0.8	38
29	IL-6 Receptor Î± Defines Effector Memory CD8+T Cells Producing Th2 Cytokines and Expanding in Asthma. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1383-1394.	2.5	38
30	DNA Methylation Regulates the Differential Expression of CX3CR1 on Human IL-7RÎ±low and IL-7RÎ±high Effector Memory CD8+ T Cells with Distinct Migratory Capacities to the Fractalkine. Journal of Immunology, 2015, 195, 2861-2869.	0.4	32
31	Aging of the human innate immune system in HIV infection. Current Opinion in Immunology, 2014, 29, 127-136.	2.4	30
32	Development of autoimmunity in mice lacking DNA topoisomerase 3beta. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9242-9247.	3.3	29
33	Seasonal Variability and Shared Molecular Signatures of Inactivated Influenza Vaccination in Young and Older Adults. Journal of Immunology, 2020, 204, 1661-1673.	0.4	28
34	Defective p53 engagement after the induction of DNA damage in cells deficient in topoisomerase 3Î². Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5063-5068.	3.3	24
35	Cathelicidin Insufficiency in Patients with Fatal Leptospirosis. PLoS Pathogens, 2016, 12, e1005943.	2.1	22
36	Transcriptomic analysis of human IL–7 receptor alpha^{low} and^{high} effector memory CD8⁺ T cells reveals an age–associated signature linked to influenza vaccine response in older adults. Aging Cell, 2019, 18, e12960.	3.0	20

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37	How Inflammation Blunts Innate Immunity in Aging. Interdisciplinary Topics in Gerontology and Geriatrics, 2020, 43, 1-17.	2.6	20
38	Immunophenotyping assessment in a COVID-19 cohort (IMPACC): A prospective longitudinal study. Science Immunology, 2021, 6, .	5.6	20
39	The Role of Toll-like Receptors in Age-Associated Lung Diseases. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67A, 247-253.	1.7	19
40	Dissecting alterations in human CD8+ T cells with aging by high-dimensional single cell mass cytometry. Clinical Immunology, 2019, 200, 24-30.	1.4	18
41	Human monocytes have increased IFN-Î³-mediated IL-15 production with age alongside altered IFN-Î³ receptor signaling. Clinical Immunology, 2014, 152, 101-110.	1.4	15
42	Truncated immunoglobulin DÎ¼ causes incomplete developmental progression of RAG-deficient pro-B cells. Molecular Immunology, 2002, 38, 547-556.	1.0	13
43	Statistical approaches for analyzing immunologic data of repeated observations: A practical guide. Journal of Immunological Methods, 2013, 398-399, 19-26.	0.6	11
44	Pandemic influenza H1N1 2009, innate immunity, and the impact of immunosenescence on influenza vaccine. Yale Journal of Biology and Medicine, 2009, 82, 143-51.	0.2	11
45	No evidence of fetal defects or anti-syncytin-1 antibody induction following COVID-19 mRNA vaccination. PLoS Biology, 2022, 20, e3001506.	2.6	10
46	An altered relationship of influenza vaccine-specific IgG responses with T cell immunity occurs with aging in humans. Clinical Immunology, 2013, 147, 79-88.	1.4	9
47	Multiple network-constrained regressions expand insights into influenza vaccination responses. Bioinformatics, 2017, 33, i208-i216.	1.8	9
48	Toscana Virus Encephalitis in a Traveler Returning to the United States. Journal of Clinical Microbiology, 2015, 53, 1445-1447.	1.8	8
49	IL-7 receptor alpha defines heterogeneity and signature of human effector memory CD8+ T cells in high dimensional analysis. Cellular Immunology, 2020, 355, 104155.	1.4	7
50	Immunosenecence. Methods in Molecular Biology, 2015, 1343, v.	0.4	5
51	Elevated Activation of Neutrophil Toll-Like Receptors in Patients with Acute Severe Leptospirosis: An Observational Study. American Journal of Tropical Medicine and Hygiene, 2019, 101, 585-589.	0.6	5
52	Innate Immune Responses in the Neutrophils of Community Dwelling and Nursing Home Elders. Journal of Aging Science, 2014, 02, .	0.5	5
53	Impact of Aging and HIV Infection on the Function of the C-Type Lectin Receptor MINCLE in Monocytes. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 794-801.	1.7	4
54	Design and implementation of a prospective cohort study of persons living with and without HIV infection who are initiating medication treatment for opioid use disorder. Contemporary Clinical Trials Communications, 2021, 21, 100704.	0.5	4

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55	Multicolor Digital Flow Cytometry in Human Translational Immunology. Methods in Molecular Biology, 2015, 1343, 53-64.	0.4	0
56	Assessment of Toll-Like Receptor Expression and Function by Flow Cytometry. , 2016, , 1-13.		0
57	Effects of Aging on Human Toll-Like Receptor Function. , 2019, , 1-12.		0
58	Effects of Aging on Human Toll-Like Receptor Function. , 2019, , 981-992.		0
59	Combining Cellular Immunology With RNAseq to Identify Novel Chlamydia T-Cell Subset Signatures. Journal of Infectious Diseases, 2022, , .	1.9	0