Arne N Akbar

List of Publications by Year
in descending order

57 papers	6,194 citations	81839 39 h-index	155592 55 g-index
58 all docs	58 docs citations	58 times ranked	8108 citing authors

#	Article	IF	Citations
1	CD28â˜ T cells: their role in the age-associated decline of immune function. Trends in Immunology, 2009, 30, 306-312.	2.9	514
2	RGD peptides induce apoptosis by direct caspase-3 activation. Nature, 1999, 397, 534-539.	13.7	404
3	p38 signaling inhibits mTORC1-independent autophagy in senescent human CD8+ T cells. Journal of Clinical Investigation, 2014, 124, 4004-4016.	3.9	285
4	Senescent cells evade immune clearance via HLA-E-mediated NK and CD8+ T cell inhibition. Nature Communications, 2019, 10, 2387.	5.8	281
5	Cytomegalovirus-Specific CD4+ T Cells in Healthy Carriers Are Continuously Driven to Replicative Exhaustion. Journal of Immunology, 2005, 175, 8218-8225.	0.4	267
6	The kinase p38 activated by the metabolic regulator AMPK and scaffold TAB1 drives the senescence of human T cells. Nature Immunology, 2014, 15, 965-972.	7.0	243
7	A sestrin-dependent Erkâ€“Jnkâ€“p38 MAPK activation complex inhibits immunity during aging. Nature Immunology, 2017, 18, 354-363.	7.0	223
8	Senescence of T Lymphocytes: Implications for Enhancing Human Immunity. Trends in Immunology, 2016, 37, 866-876.	2.9	208
9	KLRG1 signaling induces defective Akt (ser473) phosphorylation and proliferative dysfunction of highly differentiated CD8+ T cells. Blood, 2009, 113, 6619-6628.	0.6	205
10	Memory T cell homeostasis and senescence during aging. Current Opinion in Immunology, 2005, 17, 480-485.	2.4	201
11	Reversible Senescence in Human CD4+CD45RA+CD27â˜ Memory T Cells. Journal of Immunology, 2011, 187, 2093-2100.	0.4	193
12	The dynamic co-evolution of memory and regulatory CD4+ T cells in the periphery. Nature Reviews Immunology, 2007, 7, 231-237.	10.6	189
13	The Loss of Telomerase Activity in Highly Differentiated CD8+CD28â˜CD27â˜ T Cells Is Associated with Decreased Akt (Ser473) Phosphorylation. Journal of Immunology, 2007, 178, 7710-7719.	0.4	185
14	Aging immunity may exacerbate COVID-19. Science, 2020, 369, 256-257.	6.0	166
15	Decreased TNF-Î± synthesis by macrophages restricts cutaneous immunosurveillance by memory CD4+ T cells during aging. Journal of Experimental Medicine, 2009, 206, 1929-1940.	4.2	161
16	Human <scp>CD</scp>8⁺<scp>EMRA</scp> T cells display a senescenceâ€associated secretory phenotype regulated by p38 <scp>MAPK</scp>. Aging Cell, 2018, 17, e12675.	3.0	161
17	KLRG1â€”more than a marker for T cell senescence. Age, 2009, 31, 285-291.	3.0	149
18	Properties of end-stage human T cells defined by CD45RA re-expression. Current Opinion in Immunology, 2012, 24, 476-481.	2.4	141

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19	Sestrins induce natural killer function in senescent-like CD8+ T cells. Nature Immunology, 2020, 21, 684-694.	7.0	139
20	Will telomere erosion lead to a loss of T-cell memory?. Nature Reviews Immunology, 2004, 4, 737-743.	10.6	117
21	The kinetics of CD4+Foxp3+ T cell accumulation during a human cutaneous antigen-specific memory response in vivo. Journal of Clinical Investigation, 2008, 118, 3639-3650.	3.9	113
22	Blockade of PDâ€1 or p38 MAP kinase signaling enhances senescent human CD8⁺ Tâ€cell proliferation by distinct pathways. European Journal of Immunology, 2015, 45, 1441-1451.	1.6	108
23	The flow cytometric analysis of telomere length in antigen-specific CD8+ T cells during acute Epstein-Barr virus infection. Blood, 2001, 97, 700-707.	0.6	102
24	The peripheral generation of CD4+ CD25+ regulatory T cells. Immunology, 2003, 109, 319-325.	2.0	98
25	Targeting Inflammation and Immunosenescence to Improve Vaccine Responses in the Elderly. Frontiers in Immunology, 2020, 11, 583019.	2.2	98
26	Blocking elevated p38 MAPK restores efferocytosis and inflammatory resolution in the elderly. Nature Immunology, 2020, 21, 615-625.	7.0	87
27	The Characterization of Varicella Zoster Virusâ€“Specific T Cells in Skin and Blood during Aging. Journal of Investigative Dermatology, 2015, 135, 1752-1762.	0.3	86
28	Cytomegalovirus infection induces the accumulation of short-lived, multifunctional CD4+â€ƒCD45RA+â€ƒCD27â^' T cells: the potential involvement of interleukin-7 in this process. Immunology, 2011, 132, 326-339.	2.0	85
29	Variation of human natural killer cell phenotypes with age: Identification of a unique KLRG1-negative subset. Human Immunology, 2010, 71, 676-681.	1.2	82
30	Mitochondrial mass governs the extent of human T cell senescence. Aging Cell, 2020, 19, e13067.	3.0	79
31	Telomerase in T Lymphocytes: Use It and Lose It?. Journal of Immunology, 2007, 178, 6689-6694.	0.4	77
32	Convergence of Innate and Adaptive Immunity during Human Aging. Frontiers in Immunology, 2016, 7, 445.	2.2	77
33	Killer Cell Lectin-like Receptor G1 Inhibits NK Cell Function through Activation of Adenosine 5â€²-Monophosphateâ€“Activated Protein Kinase. Journal of Immunology, 2016, 197, 2891-2899.	0.4	76
34	Enhancement of cutaneous immunity during aging by blocking p38 mitogen-activated protein (MAP) kinaseâ€“induced inflammation. Journal of Allergy and Clinical Immunology, 2018, 142, 844-856.	1.5	75
35	Varicella Zosterâ€“Specific CD4+Foxp3+ T Cells Accumulate after Cutaneous Antigen Challenge in Humans. Journal of Immunology, 2013, 190, 977-986.	0.4	50
36	The role of senescent T cells in immunopathology. Aging Cell, 2020, 19, e13272.	3.0	50

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37	Can blocking inflammation enhance immunity during aging?. Journal of Allergy and Clinical Immunology, 2020, 145, 1323-1331.	1.5	50
38	Human CD4+CD45RO+ and CD4+CD45RA+ T cells synergize in response to alloantigens. European Journal of Immunology, 1991, 21, 2517-2522.	1.6	46
39	Quiescence and functional reprogramming of Epstein-Barr virus (EBV)-specific CD8+ T cells during persistent infection. Blood, 2005, 106, 558-565.	0.6	45
40	Recruitment of inflammatory monocytes by senescent fibroblasts inhibits antigen-specific tissue immunity during human aging. Nature Aging, 2021, 1, 101-113.	5.3	39
41	Telomere-dependent senescence. Nature Biotechnology, 1999, 17, 313-313.	9.4	37
42	Herbimycin A accelerates the induction of apoptosis following etoposide treatment or Î³-irradiation of bcr/abl-positive leukaemia cells. Oncogene, 1998, 16, 1533-1542.	2.6	28
43	Circulating Senescent T Cells Are Linked to Systemic Inflammation and Lesion Size During Human Cutaneous Leishmaniasis. Frontiers in Immunology, 2018, 9, 3001.	2.2	28
44	Bacterial genotoxins induce TÂcell senescence. Cell Reports, 2021, 35, 109220.	2.9	20
45	Cellular senescence as a possible link between prostate diseases of the ageing male. Nature Reviews Urology, 2021, 18, 597-610.	1.9	19
46	Vitamin D3 replacement enhances antigen-specific immunity in older adults. Immunotherapy Advances, 2021, 1, .	1.2	18
47	The global response to the COVID-19 pandemic: how have immunology societies contributed?. Nature Reviews Immunology, 2020, 20, 594-602.	10.6	17
48	PD-1 Blockade Modulates Functional Activities of Exhausted-Like T Cell in Patients With Cutaneous Leishmaniasis. Frontiers in Immunology, 2021, 12, 632667.	2.2	16
49	Compartmentalized cytotoxic immune response leads to distinct pathogenic roles of natural killer and senescent CD8 + T cells in human cutaneous leishmaniasis. Immunology, 2020, 159, 429-440.	2.0	12
50	GATA3 induces mitochondrial biogenesis in primary human CD4+ T cells during DNA damage. Nature Communications, 2021, 12, 3379.	5.8	11
51	Treating exuberant, non-resolving inflammation in the lung; Implications for acute respiratory distress syndrome and COVID-19. , 2021, 221, 107745.		8
52	Transcriptomic landscape of skin lesions in cutaneous leishmaniasis reveals a strong CD8⁺ T cell immunosenescence signature linked to immunopathology. Immunology, 2021, 164, 754-765.	2.0	8
53	Induction of T Cell Senescence by Cytokine Induced Bystander Activation. Frontiers in Aging, 2021, 2, .	1.2	6
54	Selective migration of highly differentiated primed T cells across human umbilical vein endothelial cells. Biochemical Society Transactions, 1997, 25, 258S-258S.	1.6	5

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55	B Lymphocytes Accumulate and Proliferate in Human Skin at Sites of Cutaneous Antigen Challenge. Journal of Investigative Dermatology, 2022, 142, 726-731.e4.	0.3	2
56	Aging and frailty immune landscape. Nature Aging, 2022, 2, 280-281.	5.3	1
57	The Regulation of Apoptosis and Replicative Senescence in CD8+ T cells From Patients With Viral Infections. Biochemical Society Transactions, 2000, 28, A4-A4.	1.6	0