Adam Kenneth Wheatley

List of Publications by Year
in descending order

107	11,141	47006 47	39675 94
papers	citations	h-index	g-index

129	129	129	16197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neutralizing antibody levels are highly predictive of immune protection from symptomatic SARS-CoV-2 infection. Nature Medicine, 2021, 27, 1205-1211.	30.7	3,133
2	Antibody-dependent enhancement and SARS-CoV-2 vaccines and therapies. Nature Microbiology, 2020, 5, 1185-1191.	13.3	553
3	Neutralising antibody titres as predictors of protection against SARS-CoV-2 variants and the impact of boosting: a meta-analysis. Lancet Microbe, The, 2022, 3, e52-e61.	7.3	436
4	Humoral and circulating follicular helper T cell responses in recovered patients with COVID-19. Nature Medicine, 2020, 26, 1428-1434.	30.7	400
5	Evolution of immune responses to SARS-CoV-2 in mild-moderate COVID-19. Nature Communications, 2021, 12, 1162.	12.8	316
6	Butyrophilin 2A1 is essential for phosphoantigen reactivity by Î³Î´ T cells. Science, 2020, 367, .	12.6	275
7	Vaccine-Induced Antibodies that Neutralize Group 1 and Group 2 Influenza A Viruses. Cell, 2016, 166, 609-623.	28.9	270
8	A human monoclonal antibody prevents malaria infection by targeting a new site of vulnerability on the parasite. Nature Medicine, 2018, 24, 408-416.	30.7	235
9	Prospects for durable immune control of SARS-CoV-2 and prevention of reinfection. Nature Reviews Immunology, 2021, 21, 395-404.	22.7	223
10	Flow Cytometry Reveals that H5N1 Vaccination Elicits Cross-Reactive Stem-Directed Antibodies from Multiple Ig Heavy-Chain Lineages. Journal of Virology, 2014, 88, 4047-4057.	3.4	220
11	Defining B cell immunodominance to viruses. Nature Immunology, 2017, 18, 456-463.	14.5	218
12	Mosaic nanoparticle display of diverse influenza virus hemagglutinins elicits broad B cell responses. Nature Immunology, 2019, 20, 362-372.	14.5	211
13	Circulating T _{FH} cells, serological memory, and tissue compartmentalization shape human influenza-specific B cell immunity. Science Translational Medicine, 2018, 10, .	12.4	196
14	Suboptimal SARS-CoV-2â€'specific CD8 ⁺ T cell response associated with the prominent HLA-A*02:01 phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24384-24391.	7.1	168
15	Loss of Circulating CD4 T Cells with B Cell Helper Function during Chronic HIV Infection. PLoS Pathogens, 2014, 10, e1003853.	4.7	153
16	Immunological Principles Guiding the Rational Design of Particles for Vaccine Delivery. ACS Nano, 2017, 11, 54-68.	14.6	153
17	From influenza to COVID-19: Lipid nanoparticle mRNA vaccines at the frontiers of infectious diseases. Acta Biomaterialia, 2021, 131, 16-40.	8.3	140
18	Atypical B cells are part of an alternative lineage of B cells that participates in responses to vaccination and infection in humans. Cell Reports, 2021, 34, 108684.	6.4	134

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19	Abnormal B cell memory subsets dominate HIV-specific responses in infected individuals. Journal of Clinical Investigation, 2014, 124, 3252-3262.	8.2	130
20	Systems serology detects functionally distinct coronavirus antibody features in children and elderly. Nature Communications, 2021, 12, 2037.	12.8	125
21	Integrated immune dynamics define correlates of COVID-19 severity and antibody responses. Cell Reports Medicine, 2021, 2, 100208.	6.5	115
22	Nanobody cocktails potently neutralize SARS-CoV-2 D614G N501Y variant and protect mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	109
23	Anti-PEG Antibodies Boosted in Humans by SARS-CoV-2 Lipid Nanoparticle mRNA Vaccine. ACS Nano, 2022, 16, 11769-11780.	14.6	108
24	Measuring immunity to SARS-CoV-2 infection: comparing assays and animal models. Nature Reviews Immunology, 2020, 20, 727-738.	22.7	107
25	CD8+ TÂcells specific for an immunodominant SARS-CoV-2 nucleocapsid epitope display high naive precursor frequency and TCR promiscuity. Immunity, 2021, 54, 1066-1082.e5.	14.3	106
26	Neutralizing Antibody Therapeutics for COVID-19. Viruses, 2021, 13, 628.	3.3	99
27	Immunological basis for enhanced immunity of nanoparticle vaccines. Expert Review of Vaccines, 2019, 18, 269-280.	4.4	97
28	Disentangling the relative importance of T cell responses in COVID-19: leading actors or supporting cast?. Nature Reviews Immunology, 2022, 22, 387-397.	22.7	93
29	Design of Nanoparticulate Group 2 Influenza Virus Hemagglutinin Stem Antigens That Activate Unmutated Ancestor B Cell Receptors of Broadly Neutralizing Antibody Lineages. MBio, 2019, 10, .	4.1	88
30	Preferential induction of cross-group influenza A hemagglutinin stemâ€“specific memory B cells after H7N9 immunization in humans. Science Immunology, 2017, 2, .	11.9	84
31	H5N1 Vaccineâ€“Elicited Memory B Cells Are Genetically Constrained by the IGHV Locus in the Recognition of a Neutralizing Epitope in the Hemagglutinin Stem. Journal of Immunology, 2015, 195, 602-610.	0.8	83
32	The aryl hydrocarbon receptor controls cell-fate decisions in B cells. Journal of Experimental Medicine, 2017, 214, 197-208.	8.5	83
33	Influenza lineage extinction during the COVID-19 pandemic?. Nature Reviews Microbiology, 2021, 19, 741-742.	28.6	82
34	Subdominance and poor intrinsic immunogenicity limit humoral immunity targeting influenza HA stem. Journal of Clinical Investigation, 2019, 129, 850-862.	8.2	78
35	Immune imprinting and SARS-CoV-2 vaccine design. Trends in Immunology, 2021, 42, 956-959.	6.8	73
36	Fc-dependent functions are redundant to efficacy of anti-HIV antibody PGT121 in macaques. Journal of Clinical Investigation, 2018, 129, 182-191.	8.2	69

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37	Cellular Interactions of Liposomes and PISA Nanoparticles during Human Blood Flow in a Microvascular Network. Small, 2020, 16, e2002861.	10.0	67
38	Immunogenicity of prime-boost protein subunit vaccine strategies against SARS-CoV-2 in mice and macaques. Nature Communications, 2021, 12, 1403.	12.8	65
39	Self-assembling influenza nanoparticle vaccines drive extended germinal center activity and memory B cell maturation. JCI Insight, 2020, 5, .	5.0	64
40	Cross-lineage protection by human antibodies binding the influenza B hemagglutinin. Nature Communications, 2019, 10, 324.	12.8	62
41	Safety, tolerability, and immunogenicity of influenza vaccination with a high-density microarray patch: Results from a randomized, controlled phase I clinical trial. PLoS Medicine, 2020, 17, e1003024.	8.4	62
42	Antibody-dependent cellular cytotoxicity and influenza virus. Current Opinion in Virology, 2017, 22, 89-96.	5.4	60
43	Current and future nanoparticle vaccines for COVID-19. EBioMedicine, 2021, 74, 103699.	6.1	57
44	Decay of Fc-dependent antibody functions after mild to moderate COVID-19. Cell Reports Medicine, 2021, 2, 100296.	6.5	56
45	Boosting immunity to COVID-19 vaccines. Nature Medicine, 2021, 27, 1874-1875.	30.7	56
46	Fc or not Fc; that is the question: Antibody Fc-receptor interactions are key to universal influenza vaccine design. Human Vaccines and Immunotherapeutics, 2017, 13, 1288-1296.	3.3	55
47	Person-Specific Biomolecular Coronas Modulate Nanoparticle Interactions with Immune Cells in Human Blood. ACS Nano, 2020, 14, 15723-15737.	14.6	55
48	Link between Low-Fouling and Stealth: A Whole Blood Biomolecular Corona and Cellular Association Analysis on Nanoengineered Particles. ACS Nano, 2019, 13, 4980-4991.	14.6	53
49	Antibody Responses with Fc-Mediated Functions after Vaccination of HIV-Infected Subjects with Trivalent Influenza Vaccine. Journal of Virology, 2016, 90, 5724-5734.	3.4	52
50	Hyperimmune Bovine Colostrum as a Low-Cost, Large-Scale Source of Antibodies with Broad Neutralizing Activity for HIV-1 Envelope with Potential Use in Microbicides. Antimicrobial Agents and Chemotherapy, 2012, 56, 4310-4319.	3.2	50
51	Induction of vaginal-resident HIV-specific CD8 T cells with mucosal primeâ€“boost immunization. Mucosal Immunology, 2018, 11, 994-1007.	6.0	41
52	Establishment and recall of SARS-CoV-2 spike epitope-specific CD4+ T cell memory. Nature Immunology, 2022, 23, 768-780.	14.5	41
53	Prolonged evolution of the memory B cell response induced by a replicating adenovirus-influenza H5 vaccine. Science Immunology, 2019, 4, .	11.9	40
54	Inducible Bronchus-Associated Lymphoid Tissues (iBALT) Serve as Sites of B Cell Selection and Maturation Following Influenza Infection in Mice. Frontiers in Immunology, 2019, 10, 611.	4.8	40

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55	Induction of HIV-1 subtype B and AE-specific neutralizing antibodies in mice and macaques with DNA prime and recombinant gp140 protein boost regimens. Vaccine, 2009, 27, 6605-6612.	3.8	38
56	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. Advanced Healthcare Materials, 2019, 8, e1801607.	7.6	38
57	Lung-resident memory B cells established after pulmonary influenza infection display distinct transcriptional and phenotypic profiles. Science Immunology, 2022, 7, eabf5314.	11.9	38
58	The magnitude and timing of recalled immunity after breakthrough infection is shaped by SARS-CoV-2 variants. Immunity, 2022, 55, 1316-1326.e4.	14.3	38
59	Low pH Exposure During Immunoglobulin G Purification Methods Results in Aggregates That Avidly Bind FcÎ³ Receptors: Implications for Measuring Fc Dependent Antibody Functions. Frontiers in Immunology, 2019, 10, 2415.	4.8	35
60	Landscape of human antibody recognition of the SARS-CoV-2 receptor binding domain. Cell Reports, 2021, 37, 109822.	6.4	35
61	A Simple Flow-Cytometric Method Measuring B Cell Surface Immunoglobulin Avidity Enables Characterization of Affinity Maturation to Influenza A Virus. MBio, 2015, 6, e01156.	4.1	34
62	Immune cellular networks underlying recovery from influenza virus infection in acute hospitalized patients. Nature Communications, 2021, 12, 2691.	12.8	34
63	New Technologies for Influenza Vaccines. Microorganisms, 2020, 8, 1745.	3.6	33
64	Simultaneous evaluation of antibodies that inhibit SARS-CoV-2 variants via multiplex assay. JCI Insight, 2021, 6, .	5.0	33
65	HIV-dependent depletion of influenza-specific memory B cells impacts B cell responsiveness to seasonal influenza immunisation. Scientific Reports, 2016, 6, 26478.	3.3	32
66	High CD26 and Low CD94 Expression Identifies an IL-23 Responsive VÎ´2+ T Cell Subset with a MAIT Cell-like Transcriptional Profile. Cell Reports, 2020, 31, 107773.	6.4	32
67	Intranasal Live Influenza Vaccine Priming Elicits Localized B Cell Responses in Mediastinal Lymph Nodes. Journal of Virology, 2018, 92, .	3.4	30
68	Reconstituted B cell receptor signaling reveals carbohydrate-dependent mode of activation. Scientific Reports, 2016, 6, 36298.	3.3	29
69	A point-of-care lateral flow assay for neutralising antibodies against SARS-CoV-2. EBioMedicine, 2021, 74, 103729.	6.1	29
70	Improving immunological insights into the ferret model of human viral infectious disease. Influenza and Other Respiratory Viruses, 2019, 13, 535-546.	3.4	28
71	Robust correlations across six SARSâ€CoVâ€2 serology assays detecting distinct antibody features. Clinical and Translational Immunology, 2021, 10, e1258.	3.8	28
72	SARSâ€CoVâ€2â€specific CD8⁺ Tâ€cell responses and TCR signatures in the context of a prominent HLAâ€A*24:02 allomorph. Immunology and Cell Biology, 2021, 99, 990-1000.	2.3	28

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73	Hemagglutinin Functionalized Liposomal Vaccines Enhance Germinal Center and Follicular Helper T Cell Immunity. Advanced Healthcare Materials, 2021, 10, e2002142.	7.6	27
74	T follicular helper cells in the humoral immune response to SARS-CoV-2 infection and vaccination. Journal of Leukocyte Biology, 2022, 111, 355-365.	3.3	25
75	Efficient transcription through an intron requires the binding of an Sm-type U1 snRNP with intact stem loop II to the splice donor. Nucleic Acids Research, 2010, 38, 3041-3053.	14.5	23
76	SARS-CoV-2-specific TÂcell memory with common TCRÎ±Î² motifs is established in unvaccinated children who seroconvert after infection. Immunity, 2022, 55, 1299-1315.e4.	14.3	23
77	Structural basis of biased T cell receptor recognition of an immunodominant HLA-A2 epitope of the SARS-CoV-2 spike protein. Journal of Biological Chemistry, 2021, 297, 101065.	3.4	20
78	Co-Expression of miRNA Targeting the Expression of PERK, but Not PKR, Enhances Cellular Immunity from an HIV-1 Env DNA Vaccine. PLoS ONE, 2011, 6, e18225.	2.5	16
79	Prospects for antibody-based universal influenza vaccines in the context of widespread pre-existing immunity. Expert Review of Vaccines, 2015, 14, 1227-1239.	4.4	16
80	Antibody-dependent phagocytosis (ADP) responses following trivalent inactivated influenza vaccination of younger and older adults. Vaccine, 2017, 35, 6451-6458.	3.8	16
81	Adaptive immunity to human coronaviruses is widespread but low in magnitude. Clinical and Translational Immunology, 2021, 10, e1264.	3.8	16
82	Identification of murine antigen-specific T follicular helper cells using an activation-induced marker assay. Journal of Immunological Methods, 2019, 467, 48-57.	1.4	15
83	Hemagglutinin head-specific responses dominate over stem-specific responses following prime boost with mismatched vaccines. JCI Insight, 2019, 4, .	5.0	15
84	Fc functional antibody responses to adjuvanted versus unadjuvanted seasonal influenza vaccination in community-dwelling older adults. Vaccine, 2020, 38, 2368-2377.	3.8	10
85	Poor protective potential of influenza nucleoprotein antibodies despite wide prevalence. Immunology and Cell Biology, 2022, 100, 49-60.	2.3	9
86	Anti-Influenza Hyperimmune Immunoglobulin Enhances Fc-Functional Antibody Immunity During Human Influenza Infection. Journal of Infectious Diseases, 2018, 218, 1383-1393.	4.0	8
87	Immune profiling of influenzaâ€specific Bâ€and Tâ€cell responses in macaques using flow cytometryâ€based assays. Immunology and Cell Biology, 2021, 99, 97-106.	2.3	6
88	Coformulation with Tattoo Ink for Immunological Assessment of Vaccine Immunogenicity in the Draining Lymph Node. Journal of Immunology, 2021, 207, 735-744.	0.8	6
89	COVID-19 vaccines in the age of the delta variant. Lancet Infectious Diseases, The, 2022, 22, 429-430.	9.1	6
90	Cutting Edge: SARS-CoV-2 Infection Induces Robust Germinal Center Activity in the Human Tonsil. Journal of Immunology, 2022, , ji2101199.	0.8	6

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91	Sequencing B cell receptors from ferrets (Mustela putorius furo). PLoS ONE, 2020, 15, e0233794.	2.5	5
92	Longitudinal dynamics of the HIV-specific B cell response during intermittent treatment of primary HIV infection. PLoS ONE, 2017, 12, e0173577.	2.5	5
93	Screening and development of monoclonal antibodies for identification of ferret T follicular helper cells. Scientific Reports, 2021, 11, 1864.	3.3	4
94	Robust and prototypical immune responses toward influenza vaccines in the high-risk group of Indigenous Australians. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	4
95	Induction of humoral and cellular immune responses against the HIV-1 envelope protein using Î³-retroviral virus-like particles. Virology Journal, 2011, 8, 381.	3.4	3
96	Utility of the Sindbis replicon system as an Env-targeted HIV vaccine. Vaccine, 2013, 31, 2260-2266.	3.8	3
97	Need for Speed: From Human SARS-CoV-2 Samples to Protective and Efficacious Antibodies in Weeks. Cell, 2020, 182, 7-9.	28.9	3
98	Protective efficacy of the anti-HIV broadly neutralizing antibody PGT121 in the context of semen exposure. EBioMedicine, 2021, 70, 103518.	6.1	3
99	Twist in the Tail: Escape from HIV Neutralising Antibodies at a Single Site Confers Broad Susceptibility to Others. EBioMedicine, 2016, 12, 14-15.	6.1	1
100	Cellular Interactions: Cellular Interactions of Liposomes and PISA Nanoparticles during Human Blood Flow in a Microvascular Network (Small 33/2020). Small, 2020, 16, 2070185.	10.0	1
101	Aggregation by peptide conjugation rescues poor immunogenicity of the HA stem. PLoS ONE, 2020, 15, e0241649.	2.5	1
102	Immunomodulation Induced by Host Pathogen Interaction. Journal of Immunology Research, 2019, 2019, 1-2.	2.2	0
103	High Precursor Frequency and Promiscuity in Î²Î² T Cell Receptor Pairing Underpin CD8+ T-Cell Responses to an Immunodominant SARS-CoV-2 Nucleocapsid Epitope. SSRN Electronic Journal, 0, , .	0.4	0
104	Sequencing B cell receptors from ferrets (Mustela putorius furo). , 2020, 15, e0233794.		0
105	Sequencing B cell receptors from ferrets (Mustela putorius furo). , 2020, 15, e0233794.		0
106	Sequencing B cell receptors from ferrets (Mustela putorius furo). , 2020, 15, e0233794.		0
107	Sequencing B cell receptors from ferrets (Mustela putorius furo). , 2020, 15, e0233794.		0