Kihyuck Kwak

List of Publications by Year
in descending order

54	4,148	147801 31	161849 54
papers	citations	h-index	g-index

54	54	54	5329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atypical Memory B Cells Are Greatly Expanded in Individuals Living in a Malaria-Endemic Area. Journal of Immunology, 2009, 183, 2176-2182.	0.8	398
2	B cell memory: building two walls of protection against pathogens. Nature Reviews Immunology, 2020, 20, 229-238.	22.7	327
3	Malaria-associated atypical memory B cells exhibit markedly reduced B cell receptor signaling and effector function. ELife, 2015, 4, .	6.0	260
4	Malaria Immunity in Man and Mosquito: Insights into Unsolved Mysteries of a Deadly Infectious Disease. Annual Review of Immunology, 2014, 32, 157-187.	21.8	257
5	The Plasmodium falciparum-Specific Human Memory B Cell Compartment Expands Gradually with Repeated Malaria Infections. PLoS Pathogens, 2010, 6, e1000912.	4.7	221
6	The Constant Region of the Membrane Immunoglobulin Mediates B Cell-Receptor Clustering and Signaling in Response to Membrane Antigens. Immunity, 2009, 30, 44-55.	14.3	214
7	Second signals rescue B cells from activation-induced mitochondrial dysfunction and death. Nature Immunology, 2018, 19, 871-884.	14.5	166
8	The tipping points in the initiation of B cell signalling: how small changes make big differences. Nature Reviews Immunology, 2010, 10, 767-777.	22.7	157
9	Atypical memory B cells in human chronic infectious diseases: An interim report. Cellular Immunology, 2017, 321, 18-25.	3.0	157
10	Malaria-induced interferon-Î³ drives the expansion of Tbethi atypical memory B cells. PLoS Pathogens, 2017, 13, e1006576.	4.7	139
11	Young Lives Lost as B Cells Falter: What We Are Learning About Antibody Responses in Malaria. Journal of Immunology, 2013, 190, 3039-3046.	0.8	122
12	Attenuation of HIV-associated human B cell exhaustion by siRNA downregulation of inhibitory receptors. Journal of Clinical Investigation, 2011, 121, 2614-2624.	8.2	121
13	Antigen affinity discrimination is an intrinsic function of the B cell receptor. Journal of Experimental Medicine, 2010, 207, 1095-1111.	8.5	120
14	B cell signaling in context. Nature Immunology, 2019, 20, 963-969.	14.5	104
15	Sickle Cell Trait Is Associated with a Delayed Onset of Malaria: Implications for Timeâ€toâ€Event Analysis in Clinical Studies of Malaria. Journal of Infectious Diseases, 2008, 198, 1265-1275.	4.0	96
16	Endocytosed BCRs sequentially regulate MAPK and Akt signaling pathways from intracellular compartments. Nature Immunology, 2011, 12, 1119-1126.	14.5	86
17	Efficacy of RG1-VLP Vaccination against Infections with Genital and Cutaneous Human Papillomaviruses. Journal of Investigative Dermatology, 2013, 133, 2706-2713.	0.7	77
18	Antigen-Induced Oligomerization of the B Cell Receptor Is an Early Target of FcÎ³RIIB Inhibition. Journal of Immunology, 2010, 184, 1977-1989.	0.8	70

#	Article	IF	Citations
19	Shared transcriptional profiles of atypical B cells suggest common drivers of expansion and function in malaria, HIV, and autoimmunity. Science Advances, 2021, 7, .	10.3	68
20	Intrinsic properties of human germinal center B cells set antigen affinity thresholds. Science Immunology, 2018, 3, .	11.9	65
21	Toll-like receptor 9 antagonizes antibody affinity maturation. Nature Immunology, 2018, 19, 255-266.	14.5	63
22	The Scaffolding Protein Synapse-Associated Protein 97 Is Required for Enhanced Signaling Through Isotype-Switched IgG Memory B Cell Receptors. Science Signaling, 2012, 5, ra54.	3.6	54
23	Optimization of Multimeric Human Papillomavirus L2 Vaccines. PLoS ONE, 2013, 8, e55538.	2.5	53
24	Vaccination with multimeric L2 fusion protein and L1 VLP or capsomeres to broaden protection against HPV infection. Vaccine, 2010, 28, 4478-4486.	3.8	50
25	Inhibiting the Mammalian Target of Rapamycin Blocks the Development of Experimental Cerebral Malaria. MBio, 2015, 6, e00725.	4.1	42
26	Accurate immune repertoire sequencing reveals malaria infection driven antibody lineage diversification in young children. Nature Communications, 2017, 8, 531.	12.8	41
27	A Simple, Versatile Antibody-Based Barcoding Method for Flow Cytometry. Journal of Immunology, 2016, 197, 2027-2038.	0.8	38
28	Murine skin and vaginal mucosa are similarly susceptible to infection by pseudovirions of different papillomavirus classifications and species. Virology, 2012, 433, 385-394.	2.4	37
29	Preparation and properties of a papillomavirus infectious intermediate and its utility for neutralization studies. Virology, 2014, 449, 304-316.	2.4	36
30	The V Gene Repertoires of Classical and Atypical Memory B Cells in Malaria-Susceptible West African Children. Journal of Immunology, 2015, 194, 929-939.	0.8	36
31	Impact of Inhibitors and L2 Antibodies upon the Infectivity of Diverse Alpha and Beta Human Papillomavirus Types. PLoS ONE, 2014, 9, e97232.	2.5	33
32	The autoinhibitory C-terminal SH2 domain of phospholipase Câ€“Î³2 stabilizes B cell receptor signalosome assembly. Science Signaling, 2014, 7, ra89.	3.6	32
33	Phylogenetic Considerations in Designing a Broadly Protective Multimeric L2 Vaccine. Journal of Virology, 2013, 87, 6127-6136.	3.4	31
34	Expression of inhibitory receptors by B cells in chronic human infectious diseases restricts responses to membrane-associated antigens. Science Advances, 2020, 6, eaba6493.	10.3	30
35	Prevention of cancer by prophylactic human papillomavirus vaccines. Current Opinion in Immunology, 2011, 23, 244-251.	5.5	28
36	IgG3 regulates tissue-like memory B cells in HIV-infected individuals. Nature Immunology, 2018, 19, 1001-1012.	14.5	27

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37	A Method for Analyzing Proteinâ€“Protein Interactions in the Plasma Membrane of Live B Cells by Fluorescence Resonance Energy Transfer Imaging as Acquired by Total Internal Reflection Fluorescence Microscopy. Methods in Molecular Biology, 2010, 591, 159-183.	0.9	27
38	The Differentiation in vitro of Human Tonsil B Cells With the Phenotypic and Functional Characteristics of T-bet+ Atypical Memory B Cells in Malaria. Frontiers in Immunology, 2019, 10, 852.	4.8	26
39	The high risk HPV16 L2 minor capsid protein has multiple transport signals that mediate its nucleocytoplasmic traffic. Virology, 2012, 422, 413-424.	2.4	23
40	Exhaustion may not be in the human B cell vocabulary, at least not in malaria. Immunological Reviews, 2019, 292, 139-148.	6.0	21
41	Plasmodium falciparum merozoite surface protein 1 blocks the proinflammatory protein S100P. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5429-5434.	7.1	20
42	Seroepidemiology of Human Papillomavirus 16 (HPV16) L2 and Generation of L2-Specific Human Chimeric Monoclonal Antibodies. Vaccine Journal, 2015, 22, 806-816.	3.1	19
43	Roles of Fc Domain and Exudation in L2 Antibody-Mediated Protection against Human Papillomavirus. Journal of Virology, 2018, 92, .	3.4	19
44	A multimeric L2 vaccine for prevention of animal papillomavirus infections. Virology, 2011, 420, 43-50.	2.4	18
45	T cellâ€dependent antigen adjuvanted with DOTAPâ€CpGâ€B but not DOTAPâ€CpGâ€A induces robust germinal center responses and high affinity antibodies in mice. European Journal of Immunology, 2017, 47, 1890-1899.	2.9	16
46	Production of Furinâ€Cleaved Papillomavirus Pseudovirions and Their Use for In Vitro Neutralization Assays of L1â€or L2â€Specific Antibodies. Current Protocols in Microbiology, 2015, 38, 14B.5.1-26.	6.5	16
47	Atypical B cells in chronic infectious diseases and systemic autoimmunity: puzzles with many missing pieces. Current Opinion in Immunology, 2022, 77, 102227.	5.5	16
48	Multivalent Human Papillomavirus L1 DNA Vaccination Utilizing Electroporation. PLoS ONE, 2013, 8, e60507.	2.5	15
49	The Regulation of Inherently Autoreactive VH4-34â€“Expressing B Cells in Individuals Living in a Malaria-Endemic Area of West Africa. Journal of Immunology, 2016, 197, 3841-3849.	0.8	15
50	Capsomer Vaccines Protect Mice from Vaginal Challenge with Human Papillomavirus. PLoS ONE, 2011, 6, e27141.	2.5	13
51	A single-nucleotide polymorphism in a Plasmodium berghei ApiAP2 transcription factor alters the development of host immunity. Science Advances, 2020, 6, eaaw6957.	10.3	10
52	Testing the impact of a single nucleotide polymorphism in a Plasmodium berghei ApiAP2 transcription factor on experimental cerebral malaria in mice. Scientific Reports, 2020, 10, 13630.	3.3	9
53	The tangled web of autoreactive B cells in malaria immunity and autoimmune disease. Trends in Parasitology, 2022, 38, 379-389.	3.3	8
54	Spending the Best but Banking the Rest. Cell, 2020, 183, 1149-1150.	28.9	1