

# Susan K Pierce

## List of Publications by Year in descending order

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94  
papers

9,449  
citations

50276

46  
h-index

40979

93  
g-index

97  
all docs

97  
docs citations

97  
times ranked

10811  
citing authors

#	ARTICLE	IF	CITATIONS
1	The tangled web of autoreactive B cells in malaria immunity and autoimmune disease. Trends in Parasitology, 2022, 38, 379-389.	3.3	8
2	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
3	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
4	Desperately Seeking Therapies for Cerebral Malaria. Journal of Immunology, 2020, 204, 327-334.	0.8	21
5	B cell memory: building two walls of protection against pathogens. Nature Reviews Immunology, 2020, 20, 229-238.	22.7	327
6	Spending the Best but Banking the Rest. Cell, 2020, 183, 1149-1150.	28.9	1
7	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
8	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
9	Women in immunology: 2020 and beyond. Nature Immunology, 2020, 21, 254-258.	14.5	5
10	A single-nucleotide polymorphism in a <i>Plasmodium berghei</i> ApiAP2 transcription factor alters the development of host immunity. Science Advances, 2020, 6, eaaw6957.	10.3	10
11	Longitudinal analysis of naturally acquired PfEMP1 CIDR domain variant antibodies identifies associations with malaria protection. JCI Insight, 2020, 5, .	5.0	20
12	CD8+ T cells target cerebrovasculature in children with cerebral malaria. Journal of Clinical Investigation, 2020, 130, 1128-1138.	8.2	73
13	B cell signaling in context. Nature Immunology, 2019, 20, 963-969.	14.5	104
14	Exhaustion may not be in the human B cell vocabulary, at least not in malaria. Immunological Reviews, 2019, 292, 139-148.	6.0	21
15	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
16	Adaptive NK cells in people exposed to <i>Plasmodium falciparum</i> correlate with protection from malaria. Journal of Experimental Medicine, 2019, 216, 1280-1290.	8.5	80
17	From zero to sixty and back to zero again: the metabolic life of B cells. Current Opinion in Immunology, 2019, 57, 1-7.	5.5	31
18	Toll-like receptor 9 antagonizes antibody affinity maturation. Nature Immunology, 2018, 19, 255-266.	14.5	63

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19	MRI demonstrates glutamine antagonist-mediated reversal of cerebral malaria pathology in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12024-E12033.	7.1	26
20	Intrinsic properties of human germinal center B cells set antigen affinity thresholds. <i>Science Immunology</i> , 2018, 3, .	11.9	65
21	Increased Mitochondrial Biogenesis and Reactive Oxygen Species Production Accompany Prolonged CD4+ T Cell Activation. <i>Journal of Immunology</i> , 2018, 201, 3294-3306.	0.8	39
22	NK cells inhibit <i>Plasmodium falciparum</i> growth in red blood cells via antibody-dependent cellular cytotoxicity. <i>ELife</i> , 2018, 7, .	6.0	92
23	Second signals rescue B cells from activation-induced mitochondrial dysfunction and death. <i>Nature Immunology</i> , 2018, 19, 871-884.	14.5	166
24	IgG3 regulates tissue-like memory B cells in HIV-infected individuals. <i>Nature Immunology</i> , 2018, 19, 1001-1012.	14.5	27
25	The nanoscale spatial organization of B-cell receptors on immunoglobulin M $\alpha$ and G $\alpha$ expressing human B-cells. <i>Molecular Biology of the Cell</i> , 2017, 28, 511-523.	2.1	40
26	Atypical memory B cells in human chronic infectious diseases: An interim report. <i>Cellular Immunology</i> , 2017, 321, 18-25.	3.0	157
27	T cell $\alpha$ dependent antigen adjuvanted with DOTAP $\alpha$ CpG $\beta$ but not DOTAP $\alpha$ CpG $\alpha$ induces robust germinal center responses and high affinity antibodies in mice. <i>European Journal of Immunology</i> , 2017, 47, 1890-1899.	2.9	16
28	B Cells Produce Type 1 IFNs in Response to the TLR9 Agonist CpG-A Conjugated to Cationic Lipids. <i>Journal of Immunology</i> , 2017, 199, 931-940.	0.8	21
29	Do we know enough to find an adjunctive therapy for cerebral malaria in African children?. <i>F1000Research</i> , 2017, 6, 2039.	1.6	11
30	Malaria-induced interferon- $\gamma$ drives the expansion of Tbethi atypical memory B cells. <i>PLoS Pathogens</i> , 2017, 13, e1006576.	4.7	139
31	A Simple, Versatile Antibody-Based Barcoding Method for Flow Cytometry. <i>Journal of Immunology</i> , 2016, 197, 2027-2038.	0.8	38
32	The Regulation of Inherently Autoreactive VH4-34 $\alpha$ Expressing B Cells in Individuals Living in a Malaria-Endemic Area of West Africa. <i>Journal of Immunology</i> , 2016, 197, 3841-3849.	0.8	15
33	An Optimized Protocol to Analyze Glycolysis and Mitochondrial Respiration in Lymphocytes. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	31
34	CD8+ T Cells Induce Fatal Brainstem Pathology during Cerebral Malaria via Luminal Antigen-Specific Engagement of Brain Vasculature. <i>PLoS Pathogens</i> , 2016, 12, e1006022.	4.7	104
35	The V Gene Repertoires of Classical and Atypical Memory B Cells in Malaria-Susceptible West African Children. <i>Journal of Immunology</i> , 2015, 194, 929-939.	0.8	36
36	Targeting glutamine metabolism rescues mice from late-stage cerebral malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13075-13080.	7.1	66

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37	Inhibiting the Mammalian Target of Rapamycin Blocks the Development of Experimental Cerebral Malaria. <i>MBio</i> , 2015, 6, e00725.	4.1	42
38	Ups and downs in the search for a Herpes simplex virus vaccine. <i>ELife</i> , 2015, 4, .	6.0	4
39	Malaria-associated atypical memory B cells exhibit markedly reduced B cell receptor signaling and effector function. <i>ELife</i> , 2015, 4, .	6.0	260
40	No receptor stands alone: IgG B-cell receptor intrinsic and extrinsic mechanisms contribute to antibody memory. <i>Cell Research</i> , 2014, 24, 651-664.	12.0	36
41	The autoinhibitory C-terminal SH2 domain of phospholipase C $\beta$ 2 stabilizes B cell receptor signalosome assembly. <i>Science Signaling</i> , 2014, 7, ra89.	3.6	32
42	Malaria Immunity in Man and Mosquito: Insights into Unsolved Mysteries of a Deadly Infectious Disease. <i>Annual Review of Immunology</i> , 2014, 32, 157-187.	21.8	257
43	Encoding Immunological Memory in the Initiation of B-Cell Receptor Signaling. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2013, 78, 231-237.	1.1	4
44	Young Lives Lost as B Cells Falter: What We Are Learning About Antibody Responses in Malaria. <i>Journal of Immunology</i> , 2013, 190, 3039-3046.	0.8	122
45	Intrinsic Differences in the Initiation of B Cell Receptor Signaling Favor Responses of Human IgG+ Memory B Cells over IgM+ Naive B Cells. <i>Journal of Immunology</i> , 2012, 188, 3332-3341.	0.8	32
46	The Scaffolding Protein Synapse-Associated Protein 97 Is Required for Enhanced Signaling Through Isotype-Switched IgG Memory B Cell Receptors. <i>Science Signaling</i> , 2012, 5, ra54.	3.6	54
47	Understanding the Initiation of B Cell Signaling Through Live Cell Imaging. <i>Methods in Enzymology</i> , 2012, 506, 265-290.	1.0	9
48	Testing in Mice the Hypothesis That Melanin Is Protective in Malaria Infections. <i>PLoS ONE</i> , 2012, 7, e29493.	2.5	16
49	Formation of BCR oligomers provides a mechanism for B cell affinity discrimination. <i>Journal of Theoretical Biology</i> , 2012, 307, 174-182.	1.7	10
50	Endocytosed BCRs sequentially regulate MAPK and Akt signaling pathways from intracellular compartments. <i>Nature Immunology</i> , 2011, 12, 1119-1126.	14.5	86
51	FcRL4 acts as an adaptive to innate molecular switch dampening BCR signaling and enhancing TLR signaling. <i>Blood</i> , 2011, 118, 6332-6341.	1.4	90
52	Genetic susceptibility to systemic lupus erythematosus protects against cerebral malaria in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1122-1127.	7.1	54
53	Attenuation of HIV-associated human B cell exhaustion by siRNA downregulation of inhibitory receptors. <i>Journal of Clinical Investigation</i> , 2011, 121, 2614-2624.	8.2	121
54	Structural and Functional Studies of Ig $\alpha$ $\beta$ and Its Assembly with the B Cell Antigen Receptor. <i>Structure</i> , 2010, 18, 934-943.	3.3	52

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55	Intrinsic Properties of immunoglobulin IgG1 Isotype-Switched B Cell Receptors Promote Microclustering and the Initiation of Signaling. <i>Immunity</i> , 2010, 32, 778-789.	14.3	114
56	Chronic active B-cell-receptor signalling in diffuse large B-cell lymphoma. <i>Nature</i> , 2010, 463, 88-92.	27.8	1,402
57	The tipping points in the initiation of B cell signalling: how small changes make big differences. <i>Nature Reviews Immunology</i> , 2010, 10, 767-777.	22.7	157
58	Antigen affinity discrimination is an intrinsic function of the B cell receptor. <i>Journal of Experimental Medicine</i> , 2010, 207, 1095-1111.	8.5	120
59	Antigen-Induced Oligomerization of the B Cell Receptor Is an Early Target of Fcγ3RIIB Inhibition. <i>Journal of Immunology</i> , 2010, 184, 1977-1989.	0.8	70
60	A prospective analysis of the Ab response to <i>Plasmodium falciparum</i> before and after a malaria season by protein microarray. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6958-6963.	7.1	412
61	The <i>Plasmodium falciparum</i> -Specific Human Memory B Cell Compartment Expands Gradually with Repeated Malaria Infections. <i>PLoS Pathogens</i> , 2010, 6, e1000912.	4.7	221
62	It's All About Change: The Antigen-driven Initiation of B-Cell Receptor Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a002295-a002295.	5.5	33
63	A Conformation-Induced Oligomerization Model for B cell Receptor Microclustering and Signaling. <i>Current Topics in Microbiology and Immunology</i> , 2010, 340, 155-169.	1.1	32
64	A Method for Analyzing Protein-Protein Interactions in the Plasma Membrane of Live B Cells by Fluorescence Resonance Energy Transfer Imaging as Acquired by Total Internal Reflection Fluorescence Microscopy. <i>Methods in Molecular Biology</i> , 2010, 591, 159-183.	0.9	27
65	World Malaria Day 2009: What Malaria Knows about the Immune System That Immunologists Still Do Not. <i>Journal of Immunology</i> , 2009, 182, 5171-5177.	0.8	61
66	Atypical Memory B Cells Are Greatly Expanded in Individuals Living in a Malaria-Endemic Area. <i>Journal of Immunology</i> , 2009, 183, 2176-2182.	0.8	398
67	The molecular assembly and organization of signaling active B cell receptor oligomers. <i>Immunological Reviews</i> , 2009, 232, 34-41.	6.0	68
68	How Location Governs Toll-Like Receptor Signaling. <i>Traffic</i> , 2009, 10, 621-628.	2.7	145
69	The Constant Region of the Membrane Immunoglobulin Mediates B Cell-Receptor Clustering and Signaling in Response to Membrane Antigens. <i>Immunity</i> , 2009, 30, 44-55.	14.3	214
70	The TLR9 Ligand CpG Promotes the Acquisition of <i>Plasmodium falciparum</i> -Specific Memory B Cells in Malaria-Naive Individuals. <i>Journal of Immunology</i> , 2009, 182, 3318-3326.	0.8	73
71	The B Cell Receptor Governs the Subcellular Location of Toll-like Receptor 9 Leading to Hyperresponses to DNA-Containing Antigens. <i>Immunity</i> , 2008, 28, 799-809.	14.3	255
72	Membrane heterogeneities in the formation of B cell receptor-Lyn kinase microclusters and the immune synapse. <i>Journal of Cell Biology</i> , 2008, 182, 367-379.	5.2	134

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73	Sickle Cell Trait Is Associated with a Delayed Onset of Malaria: Implications for Time-to-Event Analysis in Clinical Studies of Malaria. <i>Journal of Infectious Diseases</i> , 2008, 198, 1265-1275.	4.0	96
74	Fluorescence resonance energy transfer in living cells reveals dynamic membrane changes in the initiation of B cell signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8143-8148.	7.1	115
75	The initiation of antigen-induced B cell antigen receptor signaling viewed in living cells by fluorescence resonance energy transfer. <i>Nature Immunology</i> , 2005, 6, 1168-1176.	14.5	208
76	Location is Everything: Lipid Rafts and Immune Cell Signaling. <i>Annual Review of Immunology</i> , 2003, 21, 457-481.	21.8	453
77	Epstein-Barr Virus Coopts Lipid Rafts to Block the Signaling and Antigen Transport Functions of the BCR. <i>Immunity</i> , 2001, 14, 57-67.	14.3	149
78	The CD19/CD21 Complex Functions to Prolong B Cell Antigen Receptor Signaling from Lipid Rafts. <i>Immunity</i> , 2001, 14, 169-179.	14.3	200
79	The influence of CD40 on the association of the B cell antigen receptor with lipid rafts in mature and immature cells. <i>European Journal of Immunology</i> , 2001, 31, 3789-3797.	2.9	18
80	Translocation of the B Cell Antigen Receptor into Lipid Rafts Reveals a Novel Step in Signaling. <i>Journal of Immunology</i> , 2001, 166, 3693-3701.	0.8	128
81	Cutting Edge: B Cell Antigen Receptor Signaling Occurs Outside Lipid Rafts in Immature B Cells. <i>Journal of Immunology</i> , 2000, 165, 6020-6023.	0.8	108
82	A Role for MHC Class II Antigen Processing in B Cell Development. <i>International Reviews of Immunology</i> , 2000, 19, 139-155.	3.3	24
83	A Role for Lipid Rafts in B Cell Antigen Receptor Signaling and Antigen Targeting. <i>Journal of Experimental Medicine</i> , 1999, 190, 1549-1560.	8.5	439
84	Class II Antigen Processing Compartments and the Function of HLA-DM. <i>International Reviews of Immunology</i> , 1996, 13, 209-219.	3.3	5
85	CD40-CD40 ligand interactions stimulate B cell antigen processing. <i>European Journal of Immunology</i> , 1995, 25, 3249-3255.	2.9	43
86	Virus infection blocks the processing and presentation of exogenous antigen with the major histocompatibility complex class II molecules. <i>European Journal of Immunology</i> , 1992, 22, 2055-2062.	2.9	18
87	Antigen presentation for T cell interleukin-2 secretion is a late acquisition of neonatal B cells. <i>European Journal of Immunology</i> , 1992, 22, 2923-2928.	2.9	30
88	Characteristics of peptides which compete for presented antigen-binding sites on antigen-presenting cells. <i>European Journal of Immunology</i> , 1990, 20, 953-960.	2.9	10
89	Antigen-Presenting Function of B Lymphocytes. <i>Immunological Reviews</i> , 1988, 106, 149-180.	6.0	113
90	T cell activation by processed antigen is equally blocked by I-E and I-A-restricted immunodominant peptides. <i>European Journal of Immunology</i> , 1987, 17, 1605-1609.	2.9	13

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91	Antigen presentation is a function of all B cell subpopulations separated on the basis of size. European Journal of Immunology, 1986, 16, 411-416.	2.9	16
92	Peptides related to the antigenic determinant block T cell recognition of the native protein as processed by antigen-presenting cells. European Journal of Immunology, 1986, 16, 721-727.	2.9	32
93	The induction of B cells refractory to antibody-specific immunoregulation. European Journal of Immunology, 1982, 12, 449-452.	2.9	5
94	Antibody-specific immunoregulation is restricted by the major histocompatibility gene complex. European Journal of Immunology, 1982, 12, 972-976.	2.9	1