James M Brewer

List of Publications by Citations

109 papers	4,656 citations	37 h-index	66 g-index
118 ext. papers	5,302 ext. citations	6.7 avg, IF	5.27 L-index

#	Paper	IF	Citations
109	MHCII-mediated dialog between group 2 innate lymphoid cells and CD4(+) T cells potentiates type 2 immunity and promotes parasitic helminth expulsion. *Immunity*, **2014**, 41, 283-95	32.3	482
108	Reversal of the TCR stop signal by CTLA-4. *Science*, **2006**, 313, 1972-5	33.3	479
107	In interleukin-4-deficient mice, alum not only generates T helper 1 responses equivalent to freund complete adjuvant, but continues to induce T helper 2 cytokine production. *European Journal of Immunology*, **1996**, 26, 2062-6	6.1	184
106	(How) do aluminium adjuvants work?. *Immunology Letters*, **2006**, 102, 10-5	4.1	177
105	Antigen depot is not required for alum adjuvanticity. *FASEB Journal*, **2012**, 26, 1272-9	0.9	156
104	Artery Tertiary Lymphoid Organs Control Aorta Immunity and Protect against Atherosclerosis via Vascular Smooth Muscle Cell Lymphotoxin Receptors. *Immunity*, **2015**, 42, 1100-15	32.3	134
103	In situ characterization of CD4+ T cell behavior in mucosal and systemic lymphoid tissues during the induction of oral priming and tolerance. *Journal of Experimental Medicine*, **2005**, 201, 1815-23	16.6	132
102	Suppression of adaptive immunity to heterologous antigens during Plasmodium infection through hemozoin-induced failure of dendritic cell function. *Journal of Biology*, **2006**, 5, 5		118
101	Oral immunisation with peptide and protein antigens by formulation in lipid vesicles incorporating bile salts (bilosomes). *Vaccine*, **2001**, 19, 2965-74	4.1	112
100	Analysis of the role of vaccine adjuvants in modulating dendritic cell activation and antigen presentation in vitro. *Vaccine*, **2003**, 21, 849-55	4.1	110
99	Vesicle size influences the trafficking, processing, and presentation of antigens in lipid vesicles. *Journal of Immunology*, **2004**, 173, 6143-50	5.3	97
98	Alum increases antigen uptake, reduces antigen degradation and sustains antigen presentation by DCs in vitro. *Immunology Letters*, **2012**, 147, 55-62	4.1	91
97	A novel dendritic cell-induced model of erosive inflammatory arthritis: distinct roles for dendritic cells in T cell activation and induction of local inflammation. *Journal of Immunology*, **2002**, 169, 7071-7	5.3	91
96	Plasmacytoid dendritic cells play a key role in promoting atherosclerosis in apolipoprotein E-deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 2569-79	9.4	83
95	Interleukin-18 plays a role in both the alum-induced T helper 2 response and the T helper 1 response induced by alum-adsorbed interleukin-12. *Immunology*, **2003**, 108, 137-43	7.8	82
94	Abatacept limits breach of self-tolerance in a murine model of arthritis via effects on the generation of T follicular helper cells. *Journal of Immunology*, **2010**, 185, 1558-67	5.3	79
93	Regulation of macrophage IL-12 synthesis by Leishmania phosphoglycans. *European Journal of Immunology*, **1999**, 29, 235-44	6.1	77

92	Plasmacytoid dendritic cells regulate breach of self-tolerance in autoimmune arthritis. *Journal of Immunology*, **2009**, 182, 963-8	5.3	71
91	Murine neutrophils present Class II restricted antigen. *Immunology Letters*, **2008**, 118, 49-54	4.1	71
90	The Leishmania mexicana cysteine protease, CPB2.8, induces potent Th2 responses. *Journal of Immunology*, **2003**, 170, 1746-53	5.3	71
89	Malaria impairs T cell clustering and immune priming despite normal signal 1 from dendritic cells. *PLoS Pathogens*, **2007**, 3, 1380-7	7.6	69
88	Effect of chromium and cobalt ions on primary human lymphocytes in vitro. *Journal of Immunotoxicology*, **2011**, 8, 140-9	3.1	65
87	Where are we? The anatomy of the murine cortical meninges revisited for intravital imaging, immunology, and clearance of waste from the brain. *Progress in Neurobiology*, **2017**, 156, 107-148	10.9	59
86	Inducible costimulatory molecule-B7-related protein 1 interactions are important for the clonal expansion and B cell helper functions of naive, Th1, and Th2 T cells. *Journal of Immunology*, **2003**, 170, 2310-5	5.3	59
85	Liposomes as possible carriers for lactoferrin in the local treatment of inflammatory diseases. *Experimental Biology and Medicine*, **2001**, 226, 559-64	3.7	59
84	MicroRNA-34a dependent regulation of AXL controls the activation of dendritic cells in inflammatory arthritis. *Nature Communications*, **2017**, 8, 15877	17.4	51
83	In vivo imaging of trypanosome-brain interactions and development of a rapid screening test for drugs against CNS stage trypanosomiasis. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2384	4.8	51
82	Perivascular Arrest of CD8+ T Cells Is a Signature of Experimental Cerebral Malaria. *PLoS Pathogens*, **2015**, 11, e1005210	7.6	50
81	Detection of inflammation in vivo by surface-enhanced Raman scattering provides higher sensitivity than conventional fluorescence imaging. *Analytical Chemistry*, **2012**, 84, 5968-75	7.8	50
80	Antigen presentation kinetics control T cell/dendritic cell interactions and follicular helper T cell generation in vivo. *ELife*, **2015**, 4,	8.9	50
79	In vivo generated Th1 cells can migrate to B cell follicles to support B cell responses. *Journal of Immunology*, **2004**, 173, 1640-6	5.3	47
78	Inducing experimental arthritis and breaking self-tolerance to joint-specific antigens with trackable, ovalbumin-specific T cells. *Journal of Immunology*, **2004**, 173, 151-6	5.3	43
77	Tumour necrosis factor-alpha blockade suppresses murine allergic airways inflammation. *Clinical and Experimental Immunology*, **2008**, 151, 114-22	6.2	42
76	multiplex molecular imaging of vascular inflammation using surface-enhanced Raman spectroscopy. *Theranostics*, **2018**, 8, 6195-6209	12.1	40
75	TNF-blocking therapies: an alternative mode of action?. *Trends in Immunology*, **2005**, 26, 518-22	14.4	37

74	Host genetic background determines whether IL-18 deficiency results in increased susceptibility or resistance to murine Leishmania major infection. *Immunology Letters*, **2004**, 94, 35-7	4.1	37
73	Congenital toxoplasmosis in the Balb/c mouse: prevention of vertical disease transmission and fetal death by vaccination. *Vaccine*, **1994**, 12, 1389-94	4.1	37
72	Conditional gene deletion with DiCre demonstrates an essential role for CRK3 in Leishmania mexicana cell cycle regulation. *Molecular Microbiology*, **2016**, 100, 931-44	4.1	34
71	The type I IFN system in rheumatoid arthritis. *Autoimmunity*, **2010**, 43, 220-5	3	33
70	Th17 effector cells support B cell responses outside of germinal centres. *PLoS ONE*, **2012**, 7, e49715	3.7	32
69	A cryptic cycle in haematopoietic niches promotes initiation of malaria transmission and evasion of chemotherapy. *Nature Communications*, **2018**, 9, 1689	17.4	29
68	Identifying the cells breaching self-tolerance in autoimmunity. *Journal of Immunology*, **2010**, 184, 6378-85	5.3	29
67	In vivo real-time multiphoton imaging of T lymphocytes in the mouse brain after experimental stroke. *Stroke*, **2011**, 42, 1429-36	6.7	29
66	Acute inflammatory response to cobalt chromium orthopaedic wear debris in a rodent air-pouch model. *Journal of the Royal Society Interface*, **2012**, 9, 2109-19	4.1	26
65	Images in cardiovascular medicine. Multiphoton microscopy for 3-dimensional imaging of lymphocyte recruitment into apolipoprotein-E-deficient mouse carotid artery. *Circulation*, **2007**, 115, e326-8	16.7	26
64	Dissecting the contribution of innate and antigen-specific pathways to the breach of self-tolerance observed in a murine model of arthritis. *Annals of the Rheumatic Diseases*, **2009**, 68, 1059-66	2.4	25
63	Distribution of metal released from cobalt-chromium alloy orthopaedic wear particles implanted into air pouches in mice. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 1529-38	5.4	24
62	A novel method to allow noninvasive, longitudinal imaging of the murine immune system in vivo. *Blood*, **2012**, 119, 2545-51	2.2	24
61	Lymphocyte-mediated neuroprotection in in vitro models of excitotoxicity involves astrocytic activation and the inhibition of MAP kinase signalling pathways. *Neuropharmacology*, **2014**, 76 Pt A, 184-93	5.5	21
60	Immune responses in mice induced by HSV-1 glycoproteins presented with ISCOMs or NISV delivery systems. *Vaccine*, **1996**, 14, 1581-9	4.1	21
59	The mouse cortical meninges are the site of immune responses to many different pathogens, and are accessible to intravital imaging. *Methods*, **2017**, 127, 53-61	4.6	19
58	Characterization of CD4+ T-cell-dendritic cell interactions during secondary antigen exposure in tolerance and priming. *Immunology*, **2009**, 128, 463-71	7.8	19
57	Accurate determination of adjuvant-associated protein or peptide by ninhydrin assay. *Vaccine*, **1995**, 13, 1441-4	4.1	19

56	Lymphocyte tracking and interactions in secondary lymphoid organs. *Inflammation Research*, **2007**, 56, 391-401	7.2	18
55	Designing lipid nanostructures for local delivery of biologically active macromolecules. *Journal of Liposome Research*, **2007**, 17, 237-48	6.1	18
54	Abatacept Inhibition of T Cell Priming in Mice by Induction of a Unique Transcriptional Profile That Reduces Their Ability to Activate Antigen-Presenting Cells. *Arthritis and Rheumatology*, **2016**, 68, 627-38	9.5	18
53	Intravital imaging of a massive lymphocyte response in the cortical dura of mice after peripheral infection by trypanosomes. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003714	4.8	17
52	Investigating the immunologic effects of CoCr nanoparticles. *Clinical Orthopaedics and Related Research*, **2009**, 467, 3010-6	2.2	17
51	Studies on the adjuvant activity of non-ionic surfactant vesicles: adjuvant-driven IgG2a production independent of MHC control. *Vaccine*, **1994**, 12, 613-9	4.1	17
50	Assessment of murine collagen-induced arthritis by longitudinal non-invasive duplexed molecular optical imaging. *Rheumatology*, **2016**, 55, 564-72	3.9	16
49	Visualising the interaction of CD4 T cells and DCs in the evolution of inflammatory arthritis. *Annals of the Rheumatic Diseases*, **2018**, 77, 579-588	2.4	16
48	MicroRNA-155 Controls T Helper Cell Activation During Viral Infection. *Frontiers in Immunology*, **2019**, 10, 1367	8.4	16
47	Real-time imaging of the cellular interactions underlying tolerance, priming, and responses to infection. *Immunological Reviews*, **2008**, 221, 130-46	11.3	16
46	SipA Activation of Caspase-3 Is a Decisive Mediator of Host Cell Survival at Early Stages of Salmonella enterica Serovar Typhimurium Infection. *Infection and Immunity*, **2017**, 85,	3.7	15
45	Analysis of costimulatory molecule expression on antigen-specific T and B cells during the induction of adjuvant-induced Th1 and Th2 type responses. *Vaccine*, **2006**, 24, 3035-43	4.1	15
44	The influence of follicular migration on T-cell differentiation. *Immunology*, **2004**, 111, 248-51	7.8	15
43	Antibody responses, cytokine levels and protection of mice immunised with HSV-2 antigens formulated into NISV or ISCOM delivery systems. *Vaccine*, **2000**, 18, 2083-94	4.1	15
42	Lipid vesicle-entrapped influenza A antigen modulates the influenza A-specific human antibody response in immune reconstituted SCID-human mice. *European Journal of Immunology*, **1996**, 26, 1664-7	6.1	15
41	Model answers: Rational application of murine models in arthritis research. *European Journal of Immunology*, **2018**, 48, 32-38	6.1	15
40	Cellular imaging in rheumatic diseases. *Nature Reviews Rheumatology*, **2015**, 11, 357-67	8.1	13
39	Mechanisms of autoimmunity in human diseases: a critical review of current dogma. *Current Opinion in Rheumatology*, **2014**, 26, 197-203	5.3	13

38	The active metabolite of spleen tyrosine kinase inhibitor fostamatinib abrogates the CD4+ T cell-priming capacity of dendritic cells. *Rheumatology*, **2015**, 54, 169-77	3.9	12
37	Advances in imaging of new targets for pharmacological intervention in stroke: real-time tracking of T-cells in the ischaemic brain. *British Journal of Pharmacology*, **2010**, 159, 808-11	8.6	12
36	Squalestatin alters the intracellular trafficking of a neurotoxic prion peptide. *BMC Neuroscience*, **2007**, 8, 99	3.2	12
35	Putative existence of reciprocal dialogue between Tfh and B cells and its impact on infectious and autoimmune disease. *Immunology Letters*, **2011**, 138, 38-46	4.1	11
34	Antibody responses to Toxoplasma gondii antigen in human peripheral blood lymphocyte-reconstituted severe-combined immunodeficient mice reproduce the immunological status of the lymphocyte donor. *European Journal of Immunology*, **1995**, 25, 1426-30	6.1	11
33	Plasmacytoid dendritic cells: biomarkers or potential therapeutic targets in atherosclerosis?. *Pharmacology & Therapeutics*, **2013**, 137, 172-82	13.9	10
32	What can transgenic parasites tell us about the development of Plasmodium-specific immune responses?. *Parasite Immunology*, **2008**, 30, 223-33	2.2	10
31	Using bicistronic IL-4 reporter mice to identify IL-4 expressing cells following immunisation with aluminium adjuvant. *Vaccine*, **2006**, 24, 5393-9	4.1	9
30	Direct quantitation of T cell signaling by laser scanning cytometry. *Journal of Immunological Methods*, **2005**, 301, 140-53	2.5	9
29	Adjuvants and their modes of action. *Livestock Science*, **1995**, 42, 153-162		9
28	Spatiotemporal Modeling of the Key Migratory Events During the Initiation of Adaptive Immunity. *Frontiers in Immunology*, **2019**, 10, 598	8.4	8
27	Tracking dendritic cells in vivo. *Methods in Molecular Biology*, **2010**, 626, 169-85	1.4	7
26	Imaging T-cell movement in the brain during experimental cerebral malaria. *Parasite Immunology*, **2009**, 31, 147-50	2.2	7
25	An investigation of the impact of the location and timing of antigen-specific T cell division on airways inflammation. *Clinical and Experimental Immunology*, **2009**, 155, 107-16	6.2	7
24	Effects of host-derived chemokines on the motility and viability of Trypanosoma brucei. *Parasite Immunology*, **2019**, 41, e12609	2.2	6
23	Non-Invasive Multiphoton Imaging of Islets Transplanted Into the Pinna of the NOD Mouse Ear Reveals the Immediate Effect of Anti-CD3 Treatment in Autoimmune Diabetes. *Frontiers in Immunology*, **2018**, 9, 1006	8.4	6
22	Characterization of the anticollagen antibody response in a new model of chronic polyarthritis. *Arthritis and Rheumatism*, **2011**, 63, 2299-308		6
21	Effects of Streptococcus mutans on dendritic cell activation and function. *Journal of Dental Research*, **2011**, 90, 1221-7	8.1	6

20	In vivo imaging of infection immunology--4IR!. *Seminars in Immunopathology*, **2010**, 32, 289-96	12	6
19	A Novel Cellular Pathway of Antigen Presentation and CD4 T Cell Activation. *Frontiers in Immunology*, **2018**, 9, 2684	8.4	6
18	To the Skin and Beyond: The Immune Response to African Trypanosomes as They Enter and Exit the Vertebrate Host. *Frontiers in Immunology*, **2020**, 11, 1250	8.4	5
17	Visualizing and Tracking T Cell Motility In Vivo. *Methods in Molecular Biology*, **2017**, 1591, 27-41	1.4	4
16	Developing a xenograft model of human vasculature in the mouse ear pinna. *Scientific Reports*, **2020**, 10, 2058	4.9	4
15	Using lymph node transplantation as an approach to image cellular interactions between the skin and draining lymph nodes during parasitic infections. *Parasitology International*, **2014**, 63, 165-70	2.1	4
14	The Impact of Malaria Parasites on Dendritic Cell-T Cell Interaction. *Frontiers in Immunology*, **2020**, 11, 1597	8.4	4
13	Adjuvant-Induced Th2- and Th1-Dominated Immune Responses in Vaccination **2004**, 51-72		3
12	Targeting Opposing Immunological Roles of the Junctional Adhesion Molecule-A in Autoimmunity and Cancer. *Frontiers in Immunology*, **2020**, 11, 602094	8.4	3
11	Preclinical models of arthritis for studying immunotherapy and immune tolerance. *Annals of the Rheumatic Diseases*, **2021**, 80, 1268-1277	2.4	3
10	Murine aortic smooth muscle cells acquire, though fail to present exogenous protein antigens on major histocompatibility complex class II molecules. *BioMed Research International*, **2014**, 2014, 949845	3	2
9	Arthritis in space and time--to boldly go!. *FEBS Letters*, **2011**, 585, 3640-8	3.8	2
8	Imaging interactions between the immune and cardiovascular systems in vivo by multiphoton microscopy. *Methods in Molecular Biology*, **2010**, 616, 193-206	1.4	2
7	TCR Sequencing Reveals Spatial and Temporal Evolution of Clonal CD4 T Cell Responses in a Breach of Tolerance Model of Inflammatory Arthritis. *Frontiers in Immunology*, **2021**, 12, 669856	8.4	2
6	Investigating the interaction forces between T cells and antigen-presenting cells using an optical trapping system **2011**,		1
5	Junctional adhesion molecule-A on dendritic cells regulates Th1 differentiation. *Immunology Letters* , **2021**, 235, 32-40	4.1	1
4	Nanoalum adjuvanted vaccines: small details make a big difference.. *Seminars in Immunology*, **2021**, 56, 101544	10.7	0
3	Breach of self tolerance in rheumatoid arthritis: a role for Th17 effector T cells?. *Annals of the Rheumatic Diseases*, **2011**, 70, A50-A50	2.4	

2 Re: strategies for selective priming of memory B cells. *Immunology Letters*, **2007**, 109, 91-2 4.1

1 Where, when and how the importance of advanced immunological screening in vivo in drug discovery. *Drug Discovery Today: Therapeutic Strategies*, **2004**, 1, 287-291