

# James M Brewer

## List of Publications by Year in descending order

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110  
papers

5,778  
citations

81900

39  
h-index

79698

73  
g-index

118  
all docs

118  
docs citations

118  
times ranked

8406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissecting the molecular control of immune cell accumulation in the inflamed joint. JCI Insight, 2022, 7, .	5.0	2
2	TCR $\beta$ 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.	4.8	4
3	Junctional adhesion molecule-A on dendritic cells regulates Th1 differentiation. Immunology Letters, 2021, 235, 32-40.	2.5	10
4	Preclinical models of arthritis for studying immunotherapy and immune tolerance. Annals of the Rheumatic Diseases, 2021, 80, 1268-1277.	0.9	20
5	Nanoalum adjuvanted vaccines: small details make a big difference. Seminars in Immunology, 2021, 56, 101544.	5.6	8
6	Introduction to the Special Issue: Nanoparticles and immune responses. Seminars in Immunology, 2021, 56, 101548.	5.6	0
7	Targeting Opposing Immunological Roles of the Junctional Adhesion Molecule-A in Autoimmunity and Cancer. Frontiers in Immunology, 2020, 11, 602094.	4.8	10
8	The Impact of Malaria Parasites on Dendritic Cell-T Cell Interaction. Frontiers in Immunology, 2020, 11, 1597.	4.8	15
9	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.	4.8	24
10	Developing a xenograft model of human vasculature in the mouse ear pinna. Scientific Reports, 2020, 10, 2058.	3.3	6
11	MicroRNA-155 Controls T Helper Cell Activation During Viral Infection. Frontiers in Immunology, 2019, 10, 1367.	4.8	24
12	Effects of host-derived chemokines on the motility and viability of <i>Trypanosoma brucei</i> . Parasite Immunology, 2019, 41, e12609.	1.5	7
13	Spatiotemporal Modeling of the Key Migratory Events During the Initiation of Adaptive Immunity. Frontiers in Immunology, 2019, 10, 598.	4.8	13
14	Visualising the interaction of CD4 T cells and DCs in the evolution of inflammatory arthritis. Annals of the Rheumatic Diseases, 2018, 77, 579-588.	0.9	26
15	A cryptic cycle in haematopoietic niches promotes initiation of malaria transmission and evasion of chemotherapy. Nature Communications, 2018, 9, 1689.	12.8	45
16	Model answers: Rational application of murine models in arthritis research. European Journal of Immunology, 2018, 48, 32-38.	2.9	19
17	<i>In vivo</i> multiplex molecular imaging of vascular inflammation using surface-enhanced Raman spectroscopy. Theranostics, 2018, 8, 6195-6209.	10.0	56
18	A Novel Cellular Pathway of Antigen Presentation and CD4 T Cell Activation in vivo. Frontiers in Immunology, 2018, 9, 2684.	4.8	9

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19	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. <i>Frontiers in Immunology</i> , 2018, 9, 1006.	4.8	8
20	MicroRNA-34a dependent regulation of AXL controls the activation of dendritic cells in inflammatory arthritis. <i>Nature Communications</i> , 2017, 8, 15877.	12.8	72
21	Where are we? The anatomy of the murine cortical meninges revisited for intravital imaging, immunology, and clearance of waste from the brain. <i>Progress in Neurobiology</i> , 2017, 156, 107-148.	5.7	95
22	Visualizing and Tracking T Cell Motility In Vivo. <i>Methods in Molecular Biology</i> , 2017, 1591, 27-41.	0.9	17
23	The mouse cortical meninges are the site of immune responses to many different pathogens, and are accessible to intravital imaging. <i>Methods</i> , 2017, 127, 53-61.	3.8	36
24	SipA Activation of Caspase-3 Is a Decisive Mediator of Host Cell Survival at Early Stages of Salmonella enterica Serovar Typhimurium Infection. <i>Infection and Immunity</i> , 2017, 85, .	2.2	29
25	Assessment of murine collagen-induced arthritis by longitudinal non-invasive duplexed molecular optical imaging. <i>Rheumatology</i> , 2016, 55, kev361.	1.9	22
26	Abatacept Inhibition of T Cell Priming in Mice by Induction of a Unique Transcriptional Profile That Reduces Their Ability to Activate Antigen Presenting Cells. <i>Arthritis and Rheumatology</i> , 2016, 68, 627-638.	5.6	23
27	Conditional gene deletion with DiCre demonstrates an essential role for CRK3 in <i>Leishmania mexicana</i> cell cycle regulation. <i>Molecular Microbiology</i> , 2016, 100, 931-944.	2.5	52
28	Perivascular Arrest of CD8+ T Cells Is a Signature of Experimental Cerebral Malaria. <i>PLoS Pathogens</i> , 2015, 11, e1005210.	4.7	78
29	Intravital Imaging of a Massive Lymphocyte Response in the Cortical Dura of Mice after Peripheral Infection by Trypanosomes. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003714.	3.0	31
30	Artery Tertiary Lymphoid Organs Control Aorta Immunity and Protect against Atherosclerosis via Vascular Smooth Muscle Cell Lymphotoxin $\beta^2$ Receptors. <i>Immunity</i> , 2015, 42, 1100-1115.	14.3	179
31	Cellular imaging in rheumatic diseases. <i>Nature Reviews Rheumatology</i> , 2015, 11, 357-367.	8.0	14
32	The active metabolite of spleen tyrosine kinase inhibitor fostamatinib abrogates the CD4+ T cell-priming capacity of dendritic cells. <i>Rheumatology</i> , 2015, 54, 169-177.	1.9	15
33	Antigen presentation kinetics control T cell/dendritic cell interactions and follicular helper T cell generation in vivo. <i>ELife</i> , 2015, 4, .	6.0	79
34	Murine Aortic Smooth Muscle Cells Acquire, Though Fail to Present Exogenous Protein Antigens on Major Histocompatibility Complex Class II Molecules. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	3
35	Mechanisms of autoimmunity in human diseases. <i>Current Opinion in Rheumatology</i> , 2014, 26, 197-203.	4.3	13
36	Using lymph node transplantation as an approach to image cellular interactions between the skin and draining lymph nodes during parasitic infections. <i>Parasitology International</i> , 2014, 63, 165-170.	1.3	4

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37	Lymphocyte-mediated neuroprotection in inÂvitro models of excitotoxicity involves astrocytic activation and the inhibition of MAP kinase signalling pathways. <i>Neuropharmacology</i> , 2014, 76, 184-193.	4.1	25
38	MHCII-Mediated Dialog between Group 2 Innate Lymphoid Cells and CD4+ T Cells Potentiates Type 2 Immunity and Promotes Parasitic Helminth Expulsion. <i>Immunity</i> , 2014, 41, 283-295.	14.3	601
39	Plasmacytoid dendritic cells: Biomarkers or potential therapeutic targets in atherosclerosis?. , 2013, 137, 172-182.		12
40	In Vivo Imaging of Trypanosome-Brain Interactions and Development of a Rapid Screening Test for Drugs against CNS Stage Trypanosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2384.	3.0	59
41	Acute inflammatory response to cobalt chromium orthopaedic wear debris in a rodent air-pouch model. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2109-2119.	3.4	32
42	Antigen depot is not required for alum adjuvant activity. <i>FASEB Journal</i> , 2012, 26, 1272-1279.	0.5	194
43	Plasmacytoid Dendritic Cells Play a Key Role in Promoting Atherosclerosis in Apolipoprotein Eâ€Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2569-2579.	2.4	101
44	Alum increases antigen uptake, reduces antigen degradation and sustains antigen presentation by DCs in vitro. <i>Immunology Letters</i> , 2012, 147, 55-62.	2.5	113
45	Detection of Inflammation in Vivo by Surface-Enhanced Raman Scattering Provides Higher Sensitivity Than Conventional Fluorescence Imaging. <i>Analytical Chemistry</i> , 2012, 84, 5968-5975.	6.5	62
46	Distribution of metal released from cobaltâ€chromium alloy orthopaedic wear particles implanted into air pouches in mice. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1529-1538.	4.0	26
47	A novel method to allow noninvasive, longitudinal imaging of the murine immune system in vivo. <i>Blood</i> , 2012, 119, 2545-2551.	1.4	43
48	Th17 Effector Cells Support B Cell Responses Outside of Germinal Centres. <i>PLoS ONE</i> , 2012, 7, e49715.	2.5	38
49	Effect of chromium and cobalt ions on primary human lymphocytes<i>in vitro</i>. <i>Journal of Immunotoxicology</i> , 2011, 8, 140-149.	1.7	84
50	Arthritis in space and time â€To boldly go!. <i>FEBS Letters</i> , 2011, 585, 3640-3648.	2.8	5
51	Putative existence of reciprocal dialogue between Tfh and B cells and its impact on infectious and autoimmune disease. <i>Immunology Letters</i> , 2011, 138, 38-46.	2.5	13
52	Characterization of the anticollagen antibody response in a new model of chronic polyarthritis. <i>Arthritis and Rheumatism</i> , 2011, 63, 2299-2308.	6.7	9
53	In Vivo Real-Time Multiphoton Imaging of T Lymphocytes in the Mouse Brain After Experimental Stroke. <i>Stroke</i> , 2011, 42, 1429-1436.	2.0	34
54	Investigating the interaction forces between T cells and antigen-presenting cells using an optical trapping system. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1

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55	Breach of self tolerance in rheumatoid arthritis: a role for Th17 effector T cells?. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, A50-A50.	0.9	0
56	Effects of <i>Streptococcus mutans</i> on Dendritic Cell Activation and Function. <i>Journal of Dental Research</i> , 2011, 90, 1221-1227.	5.2	7
57	In vivo imaging of infection immunology. <i>Seminars in Immunopathology</i> , 2010, 32, 289-296.	6.1	7
58	Advances in imaging of new targets for pharmacological intervention in stroke: real-time tracking of T cells in the ischaemic brain. <i>British Journal of Pharmacology</i> , 2010, 159, 808-811.	5.4	17
59	Identifying the Cells Breaching Self-Tolerance in Autoimmunity. <i>Journal of Immunology</i> , 2010, 184, 6378-6385.	0.8	44
60	Abatacept Limits Breach of Self-Tolerance in a Murine Model of Arthritis via Effects on the Generation of T Follicular Helper Cells. <i>Journal of Immunology</i> , 2010, 185, 1558-1567.	0.8	88
61	The type I IFN system in rheumatoid arthritis. <i>Autoimmunity</i> , 2010, 43, 220-225.	2.6	43
62	Tracking Dendritic Cells In Vivo. <i>Methods in Molecular Biology</i> , 2010, 626, 169-185.	0.9	8
63	Imaging Interactions Between the Immune and Cardiovascular Systems In Vivo by Multiphoton Microscopy. <i>Methods in Molecular Biology</i> , 2010, 616, 193-206.	0.9	2
64	Plasmacytoid Dendritic Cells Regulate Breach of Self-Tolerance in Autoimmune Arthritis. <i>Journal of Immunology</i> , 2009, 182, 963-968.	0.8	89
65	Investigating the Immunologic Effects of CoCr Nanoparticles. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 3010-3016.	1.5	20
66	Imaging T cell movement in the brain during experimental cerebral malaria. <i>Parasite Immunology</i> , 2009, 31, 147-150.	1.5	9
67	Characterization of CD4 <sup>+</sup> dendritic cell interactions during secondary antigen exposure in tolerance and priming. <i>Immunology</i> , 2009, 128, 463-471.	4.4	22
68	An investigation of the impact of the location and timing of antigen-specific T cell division on airways inflammation. <i>Clinical and Experimental Immunology</i> , 2009, 155, 107-116.	2.6	8
69	Dissecting the contribution of innate and antigen-specific pathways to the breach of self-tolerance observed in a murine model of arthritis. <i>Annals of the Rheumatic Diseases</i> , 2009, 68, 1059-1066.	0.9	32
70	Murine neutrophils present Class II restricted antigen. <i>Immunology Letters</i> , 2008, 118, 49-54.	2.5	83
71	Real-time imaging of the cellular interactions underlying tolerance, priming, and responses to infection. <i>Immunological Reviews</i> , 2008, 221, 130-146.	6.0	18
72	What can transgenic parasites tell us about the development of Plasmodium-specific immune responses?. <i>Parasite Immunology</i> , 2008, 30, 223-233.	1.5	13

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73	Malaria Impairs T Cell Clustering and Immune Priming despite Normal Signal 1 from Dendritic Cells. PLoS Pathogens, 2007, 3, e143.	4.7	81
74	Designing Lipid Nanostructures for Local Delivery of Biologically Active Macromolecules. Journal of Liposome Research, 2007, 17, 237-248.	3.3	21
75	Multiphoton Microscopy for 3-Dimensional Imaging of Lymphocyte Recruitment Into Apolipoprotein-Eâ€“Deficient Mouse Carotid Artery. Circulation, 2007, 115, e326-8.	1.6	32
76	Squalestatin alters the intracellular trafficking of a neurotoxic prion peptide. BMC Neuroscience, 2007, 8, 99.	1.9	12
77	Lymphocyte tracking and interactions in secondary lymphoid organs. Inflammation Research, 2007, 56, 391-401.	4.0	20
78	Tumour necrosis factor-Î± blockade suppresses murine allergic airways inflammation. Clinical and Experimental Immunology, 2007, 151, 114-122.	2.6	46
79	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, 3035-3043.	3.8	19
80	Using bicistronic IL-4 reporter mice to identify IL-4 expressing cells following immunisation with aluminium adjuvant. Vaccine, 2006, 24, 5393-5399.	3.8	9
81	â€œImmunopotentiators in Modern Vaccinesâ€“(IMV-II) held in Malaga, Spain, May 18â€“20, 2005. Vaccine, 2006, 24, 5391-5392.	3.8	7
82	Suppression of adaptive immunity to heterologous antigens during Plasmodium infection through hemozoin-induced failure of dendritic cell function. Journal of Biology, 2006, 5, 5.	2.7	134
83	(How) do aluminium adjuvants work?. Immunology Letters, 2006, 102, 10-15.	2.5	197
84	Reversal of the TCR Stop Signal by CTLA-4. Science, 2006, 313, 1972-1975.	12.6	549
85	Direct quantitation of T cell signaling by laser scanning cytometry. Journal of Immunological Methods, 2005, 301, 140-153.	1.4	9
86	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, 1815-1823.	8.5	147
87	TNF-blocking therapies: an alternative mode of action?. Trends in Immunology, 2005, 26, 518-522.	6.8	38
88	In Vivo Generated Th1 Cells Can Migrate to B Cell Follicles to Support B Cell Responses. Journal of Immunology, 2004, 173, 1640-1646.	0.8	54
89	Inducing Experimental Arthritis and Breaking Self-Tolerance to Joint-Specific Antigens with Trackable, Ovalbumin-Specific T Cells. Journal of Immunology, 2004, 173, 151-156.	0.8	52
90	Vesicle Size Influences the Trafficking, Processing, and Presentation of Antigens in Lipid Vesicles. Journal of Immunology, 2004, 173, 6143-6150.	0.8	121

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91	The influence of follicular migration on T-cell differentiation. <i>Immunology</i> , 2004, 111, 248-251.	4.4	15
92	Host genetic background determines whether IL-18 deficiency results in increased susceptibility or resistance to murine <i>Leishmania major</i> infection. <i>Immunology Letters</i> , 2004, 94, 35-37.	2.5	40
93	Where, when and how " the importance of advanced immunological screening in vivo in drug discovery. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2004, 1, 287-291.	0.5	0
94	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. <i>Immunology</i> , 2003, 108, 137-143.	4.4	86
95	Analysis of the role of vaccine adjuvants in modulating dendritic cell activation and antigen presentation in vitro. <i>Vaccine</i> , 2003, 21, 849-855.	3.8	122
96	The <i>Leishmania mexicana</i> Cysteine Protease, CPB2.8, Induces Potent Th2 Responses. <i>Journal of Immunology</i> , 2003, 170, 1746-1753.	0.8	77
97	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. <i>Journal of Immunology</i> , 2003, 170, 2310-2315.	0.8	64
98	A Novel Dendritic Cell-Induced Model of Erosive Inflammatory Arthritis: Distinct Roles for Dendritic Cells in T Cell Activation and Induction of Local Inflammation. <i>Journal of Immunology</i> , 2002, 169, 7071-7077.	0.8	102
99	Oral immunisation with peptide and protein antigens by formulation in lipid vesicles incorporating bile salts (bilosomes). <i>Vaccine</i> , 2001, 19, 2965-2974.	3.8	148
100	Liposomes as Possible Carriers for Lactoferrin in the Local Treatment of Inflammatory Diseases. <i>Experimental Biology and Medicine</i> , 2001, 226, 559-564.	2.4	68
101	Antibody responses, cytokine levels and protection of mice immunised with HSV-2 antigens formulated into NISV or ISCOM delivery systems. <i>Vaccine</i> , 2000, 18, 2083-2094.	3.8	17
102	Regulation of macrophage IL-12 synthesis by <i>Leishmania</i> phosphoglycans. <i>European Journal of Immunology</i> , 1999, 29, 235-244.	2.9	85
103	Immune responses in mice induced by HSV-1 glycoproteins presented with ISCOMs or NISV delivery systems. <i>Vaccine</i> , 1996, 14, 1581-1589.	3.8	28
104	Lipid vesicle-entrapped influenza A antigen modulates the influenza A-specific human antibody response in immune reconstituted SCID-human mice. <i>European Journal of Immunology</i> , 1996, 26, 1664-1667.	2.9	19
105	In interleukin-4-deficient mice, alum not only generates T helper 1 responses equivalent to Freund's complete adjuvant, but continues to induce T helper 2 cytokine production. <i>European Journal of Immunology</i> , 1996, 26, 2062-2066.	2.9	208
106	Antibody responses to <i>Toxoplasma gondii</i> antigen in human peripheral blood lymphocyte-reconstituted severe-combined immunodeficient mice reproduce the immunological status of the lymphocyte donor. <i>European Journal of Immunology</i> , 1995, 25, 1426-1430.	2.9	16
107	Accurate determination of adjuvant-associated protein or peptide by ninhydrin assay. <i>Vaccine</i> , 1995, 13, 1441-1444.	3.8	20
108	Adjuvants and their modes of action. <i>Livestock Science</i> , 1995, 42, 153-162.	1.2	11

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109	Congenital toxoplasmosis in the Balb/c mouse: prevention of vertical disease transmission and fetal death by vaccination. <i>Vaccine</i> , 1994, 12, 1389-1394.	3.8	46
110	Studies on the adjuvant activity of non-ionic surfactant vesicles: adjuvant-driven IgG2a production independent of MHC control. <i>Vaccine</i> , 1994, 12, 613-619.	3.8	22