

# Adrian L Smith

## List of Publications by Year in descending order

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121  
papers

6,690  
citations

66250

44  
h-index

75989

78  
g-index

128  
all docs

128  
docs citations

128  
times ranked

7373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration, exploration, and analysis of high-dimensional single-cell cytometry data using Spectre. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 237-253.	1.1	78
2	The avian enteric immune system in health and disease. , 2022, , 303-326.		1
3	Pattern recognition receptors. , 2022, , 231-248.		1
4	Avian T cells: Antigen Recognition and Lineages. , 2022, , 121-134.		3
5	Adaptation and Cryptic Pseudogenization in Penguin Toll-Like Receptors. Molecular Biology and Evolution, 2022, 39, .	3.5	10
6	Reconstructing the history of helminth prevalence in the UK. PLoS Neglected Tropical Diseases, 2022, 16, e0010312.	1.3	4
7	The erythrocyte membrane properties of beta thalassaemia heterozygotes and their consequences for Plasmodium falciparum invasion. Scientific Reports, 2022, 12, .	1.6	7
8	Comparison of CpG- and UpA-mediated restriction of RNA virus replication in mammalian and avian cells and investigation of potential ZAP-mediated shaping of host transcriptome compositions. Rna, 2022, 28, 1089-1109.	1.6	6
9	High resolution parallel sequencing reveals multistrain Campylobacter in broiler chicken flocks testing "negative"™ by conventional culture methods: implications for control of Campylobacter infection. Poultry Science, 2022, 101, 102048.	1.5	0
10	Biosafety during a pandemic: shared resource laboratories rise to the challenge. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 68-80.	1.1	7
11	Risk awareness during operation of analytical flow cytometers and implications throughout the COVID-19 pandemic. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 81-89.	1.1	4
12	Selectively targeting haemagglutinin antigen to chicken CD83 receptor induces faster and stronger immunity against avian influenza. Npj Vaccines, 2021, 6, 90.	2.9	6
13	Can good broiler flock welfare prevent colonization by Campylobacter?. Poultry Science, 2021, 100, 101420.	1.5	0
14	Repertoire analysis of $\gamma\delta$ T cells in the chicken enables functional annotation of the genomic region revealing highly variable pan-tissue TCR gamma V gene usage as well as identifying public and private repertoires. BMC Genomics, 2021, 22, 719.	1.2	7
15	Identification and Distribution of Novel Cressdnaviruses and Circular Molecules in Four Penguin Species in South Georgia and the Antarctic Peninsula. Viruses, 2020, 12, 1029.	1.5	10
16	Intestinal helminths as a biomolecular complex in archaeological research. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190570.	1.8	10
17	A review of a decade of lessons from one of the world's largest MPAs: conservation gains and key challenges. Marine Biology, 2020, 167, 1.	0.7	47
18	Epidemiological insights from a large-scale investigation of intestinal helminths in Medieval Europe. PLoS Neglected Tropical Diseases, 2020, 14, e0008600.	1.3	20

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19	Evaluating spectral cytometry for immune profiling in viral disease. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 1165-1179.	1.1	48
20	Identification of Circovirus Genome in a Chinstrap Penguin ( <i>Pygoscelis antarcticus</i> ) and Adelie Penguin ( <i>Pygoscelis adeliae</i> ) on the Antarctic Peninsula. <i>Viruses</i> , 2020, 12, 858.	1.5	11
21	The Potential Role of Endogenous Viral Elements in the Evolution of Bats as Reservoirs for Zoonotic Viruses. <i>Annual Review of Virology</i> , 2020, 7, 103-119.	3.0	34
22	Evidence of Pathogen-Induced Immunogenetic Selection across the Large Geographic Range of a Wild Seabird. <i>Molecular Biology and Evolution</i> , 2020, 37, 1708-1726.	3.5	19
23	Title is missing!. , 2020, 14, e0008600.		0
24	Title is missing!. , 2020, 14, e0008600.		0
25	Title is missing!. , 2020, 14, e0008600.		0
26	Title is missing!. , 2020, 14, e0008600.		0
27	Influence of the microbiota-gut-brain axis on behavior and welfare in farm animals: A review. <i>Physiology and Behavior</i> , 2019, 210, 112658.	1.0	78
28	Interferon-Inducible Protein 16 (IFI16) Has a Broad-Spectrum Binding Ability Against ssDNA Targets: An Evolutionary Hypothesis for Antiretroviral Checkpoint. <i>Frontiers in Microbiology</i> , 2019, 10, 1426.	1.5	18
29	Comparative micro-epidemiology of pathogenic avian influenza virus outbreaks in a wild bird population. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180259.	1.8	23
30	Analysis of the Murine Bone Marrow Hematopoietic System Using Mass and Flow Cytometry. <i>Methods in Molecular Biology</i> , 2019, 1989, 159-192.	0.4	19
31	Parallel sequencing of <i>porA</i> reveals a complex pattern of <i>Campylobacter</i> genotypes that differs between broiler and broiler breeder chickens. <i>Scientific Reports</i> , 2019, 9, 6204.	1.6	16
32	Reverse immunodynamics: a new method for identifying targets of protective immunity. <i>Scientific Reports</i> , 2019, 9, 2164.	1.6	3
33	Receding ice drove parallel expansions in Southern Ocean penguins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26690-26696.	3.3	35
34	Dissecting the Genomic Architecture of Resistance to <i>Eimeria maxima</i> Parasitism in the Chicken. <i>Frontiers in Genetics</i> , 2018, 9, 528.	1.1	31
35	Molecular archaeoparasitology identifies cultural changes in the Medieval Hanseatic trading centre of Lübeck. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180991.	1.2	21
36	Effects of Weather Conditions on Oxidative Stress, Oxidative Damage, and Antioxidant Capacity in a Wild-Living Mammal, the European Badger ( <i>Meles meles</i> ). <i>Physiological and Biochemical Zoology</i> , 2018, 91, 987-1004.	0.6	11

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37	Early pathogenesis during infectious bursal disease in susceptible chickens is associated with changes in B cell genomic methylation and loss of genome integrity. <i>Developmental and Comparative Immunology</i> , 2017, 73, 169-174.	1.0	8
38	Badger macrophages fail to produce nitric oxide, a key anti-mycobacterial effector molecule. <i>Scientific Reports</i> , 2017, 7, 45470.	1.6	11
39	High-Dimensional Fluorescence Cytometry. <i>Current Protocols in Immunology</i> , 2017, 119, 5.8.1-5.8.38.	3.6	29
40	Host genetics determine susceptibility to avian influenza infection and transmission dynamics. <i>Scientific Reports</i> , 2016, 6, 26787.	1.6	22
41	Monitoring chicken flock behaviour provides early warning of infection by human pathogen <i>Campylobacter</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152323.	1.2	47
42	Expression of perforin, granzyme A and Fas ligand mRNA in caecal tissues upon <i>Eimeria tenella</i> infection of naïve and immune chickens. <i>Parasite Immunology</i> , 2016, 38, 419-430.	0.7	10
43	Host Selection of Microbiota via Differential Adhesion. <i>Cell Host and Microbe</i> , 2016, 19, 550-559.	5.1	149
44	Transient and Prolonged Response of Chicken Cecum Mucosa to Colonization with Different Gut Microbiota. <i>PLoS ONE</i> , 2016, 11, e0163932.	1.1	30
45	An infected chicken kidney cell co-culture ELISpot for enhanced detection of T cell responses to avian influenza and vaccination. <i>Journal of Immunological Methods</i> , 2015, 416, 40-48.	0.6	8
46	Sequence of a Complete Chicken BG Haplotype Shows Dynamic Expansion and Contraction of Two Gene Lineages with Particular Expression Patterns. <i>PLoS Genetics</i> , 2014, 10, e1004417.	1.5	31
47	Avian T Cells. , 2014, , 91-102.		8
48	Innate Immune Responses. , 2014, , 121-147.		24
49	The Avian Enteric Immune System in Health and Disease. , 2014, , 227-250.		16
50	Bovine $\gamma\delta$ T Cells Are a Major Regulatory T Cell Subset. <i>Journal of Immunology</i> , 2014, 193, 208-222.	0.4	90
51	The Cinderella syndrome: why do malaria-infected cells burst at midnight?. <i>Trends in Parasitology</i> , 2013, 29, 10-16.	1.5	83
52	A Critical Role for MAPK Signalling Pathways in the Transcriptional Regulation of Toll Like Receptors. <i>PLoS ONE</i> , 2013, 8, e51243.	1.1	96
53	Harnessing Single Cell Sorting to Identify Cell Division Genes and Regulators in Bacteria. <i>PLoS ONE</i> , 2013, 8, e60964.	1.1	27
54	TLR15 Is Unique to Avian and Reptilian Lineages and Recognizes a Yeast-Derived Agonist. <i>Journal of Immunology</i> , 2012, 189, 4930-4938.	0.4	75

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55	Induction of lymphomas by inoculation of Marek's disease virus-derived lymphoblastoid cell lines: prevention by CVI988 vaccination. <i>Avian Pathology</i> , 2012, 41, 589-598.	0.8	4
56	The long view: <i>Salmonella</i> "the last forty years. <i>Avian Pathology</i> , 2012, 41, 413-420.	0.8	118
57	EmaxDB: Availability of a first draft genome sequence for the apicomplexan <i>Eimeria maxima</i> . <i>Molecular and Biochemical Parasitology</i> , 2012, 184, 48-51.	0.5	18
58	Visualizing the Neutrophil Response to Sterile Tissue Injury in Mouse Dermis Reveals a Three-Phase Cascade of Events. <i>Journal of Investigative Dermatology</i> , 2011, 131, 2058-2068.	0.3	187
59	$\beta$ T cells play a protective role during infection with <i>Nippostrongylus brasiliensis</i> by promoting goblet cell function in the small intestine. <i>Immunology</i> , 2011, 134, 448-458.	2.0	43
60	A genetic linkage map for the apicomplexan protozoan parasite <i>Eimeria maxima</i> and comparison with <i>Eimeria tenella</i> . <i>International Journal for Parasitology</i> , 2011, 41, 263-270.	1.3	13
61	Factors Influencing the Abundance of the Side Population in a Human Myeloma Cell Line. <i>Bone Marrow Research</i> , 2011, 2011, 1-8.	1.7	13
62	Clonal Structure of Rapid-Onset MDV-Driven CD4+ Lymphomas and Responding CD8+ T Cells. <i>PLoS Pathogens</i> , 2011, 7, e1001337.	2.1	34
63	Genetic Mapping Identifies Novel Highly Protective Antigens for an Apicomplexan Parasite. <i>PLoS Pathogens</i> , 2011, 7, e1001279.	2.1	104
64	A Genetic and Functional Relationship between T Cells and Cellular Proliferation in the Adult Hippocampus. <i>PLoS Biology</i> , 2010, 8, e1000561.	2.6	32
65	Sub-clinical infection with <i>Salmonella</i> in chickens differentially affects behaviour and welfare in three inbred strains. <i>British Poultry Science</i> , 2010, 51, 703-713.	0.8	8
66	Regional and global changes in TCR $\alpha$ T cell repertoires in the gut are dependent upon the complexity of the enteric microflora. <i>Developmental and Comparative Immunology</i> , 2010, 34, 406-417.	1.0	53
67	Suppression of airway inflammation by a natural acute infection of the intestinal epithelium. <i>Mucosal Immunology</i> , 2009, 2, 144-155.	2.7	10
68	Effects of oriC relocation on control of replication initiation in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 3070-3082.	0.7	4
69	Visualizing dendritic cell migration within the skin. <i>Histochemistry and Cell Biology</i> , 2008, 130, 1131-1146.	0.8	52
70	The role of natural killer cells in resistance to coccidiosis: investigations in a murine model. <i>Clinical and Experimental Immunology</i> , 2008, 97, 273-279.	1.1	23
71	AVIAN INNATE IMMUNE RESPONSES. , 2008, , 129-158.		45
72	Innate responsiveness of CD8 memory T-cell populations nonspecifically inhibits allergic sensitization. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 122, 1014-1021.e4.	1.5	24

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73	Development and validation of real-time polymerase chain reaction assays specific to four species of <i>Eimeria</i> . <i>Avian Pathology</i> , 2008, 37, 89-94.	0.8	33
74	The duck toll like receptor 7: Genomic organization, expression and function. <i>Molecular Immunology</i> , 2008, 45, 2055-2061.	1.0	67
75	THE AVIAN ENTERIC IMMUNE SYSTEM IN HEALTH AND DISEASE. , 2008, , 243-271.		7
76	Conserved and distinct aspects of the avian Toll-like receptor (TLR) system: implications for transmission and control of bird-borne zoonoses. <i>Biochemical Society Transactions</i> , 2007, 35, 1504-1507.	1.6	67
77	Challenges in the successful control of the avian coccidia. <i>Vaccine</i> , 2007, 25, 5540-5547.	1.7	133
78	Antibody response to <i>Salmonella</i> : its induction and role in protection against avian enteric salmonellosis. <i>Expert Review of Anti-Infective Therapy</i> , 2007, 5, 873-881.	2.0	23
79	Cross-reactive cellular and humoral immune responses to <i>Salmonella enterica</i> serovars Typhimurium and Enteritidis are associated with protection to heterologous re-challenge. <i>Veterinary Immunology and Immunopathology</i> , 2006, 114, 84-93.	0.5	41
80	Genetic identification of antigens protective against coccidia. <i>Parasite Immunology</i> , 2006, 28, 305-314.	0.7	24
81	Early events in the thymus affect the balance of effector and regulatory T cells. <i>Nature</i> , 2006, 444, 1073-1077.	13.7	87
82	<i>Eimeria maxima</i> : The influence of host genotype on parasite reproduction as revealed by quantitative real-time PCR. <i>International Journal for Parasitology</i> , 2006, 36, 97-105.	1.3	46
83	Clearance of Enteric <i>Salmonella enterica</i> Serovar Typhimurium in Chickens Is Independent of B-Cell Function. <i>Infection and Immunity</i> , 2006, 74, 1442-1444.	1.0	79
84	Intestinal Intraepithelial Lymphocytes Sustain the Epithelial Barrier Function against <i>Eimeria vermiformis</i> Infection. <i>Infection and Immunity</i> , 2006, 74, 5292-5301.	1.0	85
85	Peyer's Patches Are Required for the Induction of Rapid Th1 Responses in the Gut and Mesenteric Lymph Nodes during an Enteric Infection. <i>Journal of Immunology</i> , 2006, 176, 7533-7541.	0.4	31
86	The Relationship Between the Anticoccidial Effects of Clindamycin and the Development of Immunity in the <i>Eimeria pragensis</i> /Mouse Model of Large Intestinal Coccidiosis. <i>Journal of Veterinary Medical Science</i> , 2005, 67, 165-170.	0.3	10
87	Murine Goblet Cell Hypoplasia during <i>Eimeria pragensis</i> Infection is Ameliorate by Clindamycin Treatment. <i>Journal of Veterinary Medical Science</i> , 2005, 67, 311-315.	0.3	26
88	Enterochromaffin cell hyperplasia and decreased serotonin transporter in a mouse model of postinfectious bowel dysfunction. <i>Neurogastroenterology and Motility</i> , 2005, 17, 863-870.	1.6	172
89	Identification and characterization of a functional, alternatively spliced Toll-like receptor 7 (TLR7) and genomic disruption of TLR8 in chickens. <i>Immunology</i> , 2005, 114, 507-521.	2.0	195
90	Oral infection with the <i>Salmonella enterica</i> serovar Gallinarum 9R attenuated live vaccine as a model to characterise immunity to fowl typhoid in the chicken. <i>BMC Veterinary Research</i> , 2005, 1, 2.	0.7	64

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91	The influence of immunizing dose size and schedule on immunity to subsequent challenge with antigenically distinct strains of <i>Eimeria maxima</i> . <i>Avian Pathology</i> , 2005, 34, 489-494.	0.8	22
92	A Strong Antigen-Specific T-Cell Response Is Associated with Age and Genetically Dependent Resistance to Avian Enteric Salmonellosis. <i>Infection and Immunity</i> , 2005, 73, 7509-7516.	1.0	53
93	Infection of the Reproductive Tract and Eggs with <i>Salmonella enterica</i> Serovar Pullorum in the Chicken Is Associated with Suppression of Cellular Immunity at Sexual Maturity. <i>Infection and Immunity</i> , 2005, 73, 2986-2990.	1.0	97
94	From The Cover: Two CD1 genes map to the chicken MHC, indicating that CD1 genes are ancient and likely to have been present in the primordial MHC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8668-8673.	3.3	105
95	Identification and Functional Characterization of Chicken Toll-Like Receptor 5 Reveals a Fundamental Role in the Biology of Infection with <i>Salmonella enterica</i> Serovar Typhimurium. <i>Infection and Immunity</i> , 2005, 73, 2344-2350.	1.0	159
96	The Biology of Avian <i>Eimeria</i> with an Emphasis on their Control by Vaccination. <i>Advances in Parasitology</i> , 2005, 60, 285-330.	1.4	309
97	Expression and function of Toll-like receptors in chicken heterophils. <i>Developmental and Comparative Immunology</i> , 2005, 29, 791-807.	1.0	208
98	Expression patterns of chicken Toll-like receptor mRNA in tissues, immune cell subsets and cell lines. <i>Veterinary Immunology and Immunopathology</i> , 2005, 104, 117-127.	0.5	242
99	Rapid Expression of Chemokines and Proinflammatory Cytokines in Newly Hatched Chickens Infected with <i>Salmonella enterica</i> Serovar Typhimurium. <i>Infection and Immunity</i> , 2004, 72, 2152-2159.	1.0	207
100	Cloning and Characterization of Chicken IL-10 and Its Role in the Immune Response to <i>Eimeria maxima</i> . <i>Journal of Immunology</i> , 2004, 173, 2675-2682.	0.4	278
101	T cell activation: in vivo veritas. <i>Immunology and Cell Biology</i> , 2004, 82, 260-268.	1.0	41
102	Parasite genetics and the immune host: recombination between antigenic types of <i>Eimeria maxima</i> as an entrance to the identification of protective antigens. <i>Molecular and Biochemical Parasitology</i> , 2004, 138, 143-152.	0.5	32
103	Temporal dynamics of the cellular, humoral and cytokine responses in chickens during primary and secondary infection with <i>Salmonella enterica</i> serovar Typhimurium. <i>Avian Pathology</i> , 2004, 33, 25-33.	0.8	115
104	Age at primary infection with <i>Salmonella enterica</i> serovar Typhimurium in the chicken influences persistence of infection and subsequent immunity to re-challenge. <i>Veterinary Immunology and Immunopathology</i> , 2004, 100, 151-164.	0.5	139
105	Amplified fragment length polymorphism analyses of <i>Eimeria</i> spp.: an improved process for genetic studies of recombinant parasites. <i>Parasitology Research</i> , 2003, 90, 473-475.	0.6	29
106	Allelic Variation in TLR4 Is Linked to Susceptibility to <i>Salmonella enterica</i> Serovar Typhimurium Infection in Chickens. <i>Infection and Immunity</i> , 2003, 71, 1116-1124.	1.0	215
107	Antigenic Diversity in <i>Eimeria maxima</i> and the Influence of Host Genetics and Immunization Schedule on Cross-Protective Immunity. <i>Infection and Immunity</i> , 2002, 70, 2472-2479.	1.0	69
108	Experimental models linking dendritic cell lineage, phenotype and function. <i>Immunology and Cell Biology</i> , 2002, 80, 469-476.	1.0	6

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109	Mucosal T cells regulate Paneth and intermediate cell numbers in the small intestine of <i>T. spiralis</i> -infected mice. <i>Clinical and Experimental Immunology</i> , 2001, 126, 117-125.	1.1	77
110	Modelling host cell availability and the crowding effect in <i>Eimeria</i> infections. <i>International Journal for Parasitology</i> , 2001, 31, 1070-1081.	1.3	28
111	<i>Salmonella enterica</i> Serovar Pullorum Persists in Splenic Macrophages and in the Reproductive Tract during Persistent, Disease-Free Carriage in Chickens. <i>Infection and Immunity</i> , 2001, 69, 7873-7879.	1.0	178
112	An $\hat{I}\hat{\pm}\hat{I}^2$ T-cell-independent immunoprotective response towards gut coccidia is supported by $\hat{I}\hat{\beta}\hat{I}$ cells. <i>Immunology</i> , 2000, 101, 325-332.	2.0	51
113	Genetic Dissection of Primary and Secondary Responses to a Widespread Natural Pathogen of the Gut, <i>Eimeria vermiformis</i> . <i>Infection and Immunity</i> , 2000, 68, 6273-6280.	1.0	53
114	Visualizing T Cell Competition for Peptide/MHC Complexes. <i>Immunity</i> , 2000, 13, 783-794.	6.6	102
115	Antigen-pulsed CD8 $\hat{I}\hat{\pm}\hat{I}$ Dendritic Cells Generate an Immune Response after Subcutaneous Injection without Homing to the Draining Lymph Node. <i>Journal of Experimental Medicine</i> , 1999, 189, 593-598.	4.2	149
116	Carboxyfluorescein diacetate succinimidyl ester and the virgin lymphocyte: A marriage made in heaven. <i>Immunology and Cell Biology</i> , 1999, 77, 530-538.	1.0	52
117	Genetic analysis of the essential components of the immunoprotective response to infection with <i>Eimeria vermiformis</i> . <i>International Journal for Parasitology</i> , 1998, 28, 1061-1069.	1.3	39
118	The Role of T Cells in the Regulation of B Cell Tolerance. <i>International Reviews of Immunology</i> , 1997, 15, 73-99.	1.5	9
119	Role of Dendritic Cells in Induction of Tolerance and Immunity in Vivo. <i>Advances in Experimental Medicine and Biology</i> , 1997, 417, 255-263.	0.8	8
120	T-cell alpha beta + and gamma delta + deficient mice display abnormal but distinct phenotypes toward a natural, widespread infection of the intestinal epithelium.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 11774-11779.	3.3	225
121	$\hat{I}\hat{\beta}\hat{I}$ T cell help of B cells is induced by repeated parasitic infection, in the absence of other T cells. <i>Current Biology</i> , 1996, 6, 1317-1325.	1.8	63