## Adam F Cunningham

List of Publications by Year in descending order

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118 papers

6,637 citations

70961 41 h-index 74018 75 g-index

127 all docs

127 docs citations

127 times ranked 10129 citing authors

#	Article	IF	CITATIONS
1	Extrafollicular antibody responses. Immunological Reviews, 2003, 194, 8-18.	2.8	525
2	Mycobacterial Stationary Phase Induced by Low Oxygen Tension: Cell Wall Thickening and Localization of the 16-Kilodalton α-Crystallin Homolog. Journal of Bacteriology, 1998, 180, 801-808.	1.0	320
3	B cell priming for extrafollicular antibody responses requires Bcl-6 expression by T cells. Journal of Experimental Medicine, 2011, 208, 1377-1388.	4.2	250
4	The Essential Genome of <i>Escherichia coli</i> K-12. MBio, 2018, 9, .	1.8	242
5	SARS-CoV-2 seroprevalence and asymptomatic viral carriage in healthcare workers: a cross-sectional study. Thorax, 2020, 75, 1089-1094.	2.7	234
6	Inflammation-induced formation of fat-associated lymphoid clusters. Nature Immunology, 2015, 16, 819-828.	7.0	175
7	<i>Salmonella</i> Induces a Switched Antibody Response without Germinal Centers That Impedes the Extracellular Spread of Infection. Journal of Immunology, 2007, 178, 6200-6207.	0.4	173
8	Dendritic Cells and Monocyte/Macrophages That Create the IL-6/APRIL-Rich Lymph Node Microenvironments Where Plasmablasts Mature. Journal of Immunology, 2009, 182, 2113-2123.	0.4	168
9	A Commensal Gone Bad: Complete Genome Sequence of the Prototypical Enterotoxigenic <i>Escherichia coli</i> Strain H10407. Journal of Bacteriology, 2010, 192, 5822-5831.	1.0	168
10	Complete Genome Sequence and Comparative Metabolic Profiling of the Prototypical Enteroaggregative Escherichia coli Strain 042. PLoS ONE, 2010, 5, e8801.	1.1	165
11	The porin OmpD from nontyphoidal <i>Salmonella</i> is a key target for a protective B1b cell antibody response. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9803-9808.	3.3	153
12	Dysregulated Humoral Immunity to Nontyphoidal <i>Salmonella</i> in HIV-Infected African Adults. Science, 2010, 328, 508-512.	6.0	149
13	Inflammation drives thrombosis after Salmonella infection via CLEC-2 on platelets. Journal of Clinical Investigation, 2015, 125, 4429-4446.	3.9	135
14	The RNA-binding protein HuR is essential for the B cell antibody response. Nature Immunology, 2015, 16, 415-425.	7.0	125
15	Responses to the soluble flagellar protein FliC are Th2, while those to FliC onSalmonella are Th1. European Journal of Immunology, 2004, 34, 2986-2995.	1.6	118
16	Understanding Infection-Induced Thrombosis: Lessons Learned From Animal Models. Frontiers in Immunology, 2019, 10, 2569.	2.2	114
17	CDK Inhibitor p18INK4c Is Required for the Generation of Functional Plasma Cells. Immunity, 2002, 17, 179-189.	6.6	97
18	Homeostatic regulation of T cell trafficking by a B cell–derived peptide is impaired in autoimmune and chronic inflammatory disease. Nature Medicine, 2015, 21, 467-475.	15.2	94

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19	Structure and function of BamE within the outer membrane and the βâ€barrel assembly machine. EMBO Reports, 2011, 12, 123-128.	2.0	88
20	SadA, a Trimeric Autotransporter from Salmonella enterica Serovar Typhimurium, Can Promote Biofilm Formation and Provides Limited Protection against Infection. Infection and Immunity, 2011, 79, 4342-4352.	1.0	79
21	Trypanosoma cruzi infection induces a massive extrafollicular and follicular splenic B-cell response which is a high source of non-parasite-specific antibodies. Immunology, 2011, 132, 123-133.	2.0	77
22	Increased severity of respiratory infections associated with elevated anti-LPS IgG2 which inhibits serum bactericidal killing. Journal of Experimental Medicine, 2014, 211, 1893-1904.	4.2	74
23	Sensitive Detection of SARS-CoV-2–Specific Antibodies in Dried Blood Spot Samples. Emerging Infectious Diseases, 2020, 26, 2970-2973.	2.0	74
24	Laboratory adapted <i><scp>E</scp>scherichia coli</i> <scp>K</scp> â€12 becomes a pathogen of <i><scp>C</scp>aenorhabditis elegans</i> upon restoration of <scp>O</scp> antigen biosynthesis. Molecular Microbiology, 2013, 87, 939-950.	1.2	72
25	TLR5-Deficient Mice Lack Basal Inflammatory and Metabolic Defects but Exhibit Impaired CD4 T Cell Responses to a Flagellated Pathogen. Journal of Immunology, 2011, 186, 5406-5412.	0.4	71
26	Size and Conformation Limits to Secretion of Disulfide-bonded Loops in Autotransporter Proteins. Journal of Biological Chemistry, 2011, 286, 42283-42291.	1.6	70
27	The Essential $\hat{l}^2$ -Barrel Assembly Machinery Complex Components BamD and BamA Are Required for Autotransporter Biogenesis. Journal of Bacteriology, 2011, 193, 4250-4253.	1.0	70
28	Helios Is Associated with CD4 T Cells Differentiating to T Helper 2 and Follicular Helper T Cells In Vivo Independently of Foxp3 Expression. PLoS ONE, 2011, 6, e20731.	1.1	67
29	Soluble flagellin, FliC, induces an Agâ€specific Th2 response, yet promotes Tâ€betâ€regulated Th1 clearance of <i>Salmonella typhimurium</i> infection. European Journal of Immunology, 2011, 41, 1606-1618.	1.6	67
30	Dominant Suppression of Inflammation via Targeted Mutation of the mRNA Destabilizing Protein Tristetraprolin. Journal of Immunology, 2015, 195, 265-276.	0.4	66
31	B1b Cells Recognize Protective Antigens after Natural Infection and Vaccination. Frontiers in Immunology, 2014, 5, 535.	2.2	65
32	Pinpointing IL-4-independent acquisition and IL-4-influenced maintenance of Th2 activity by CD4 T cells. European Journal of Immunology, 2004, 34, 686-694.	1.6	63
33	IFN-γ produced by CD8 T cells induces T-bet–dependent and –independent class switching in B cells in responses to alum-precipitated protein vaccine. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17292-17297.	3.3	63
34	Maintenance of the marginal-zone B cell compartment specifically requires the RNA-binding protein ZFP36L1. Nature Immunology, 2017, 18, 683-693.	7.0	59
35	Homeostatic cell-cycle control by BLyS: Induction of cell-cycle entry but not $G1/S$ transition in opposition to p18INK4c and p27Kip1. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17789-17794.	3.3	54
36	Systemic Flagellin Immunization Stimulates Mucosal CD103+ Dendritic Cells and Drives Foxp3+ Regulatory T Cell and IgA Responses in the Mesenteric Lymph Node. Journal of Immunology, 2012, 189, 5745-5754.	0.4	54

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37	MCE domain proteins: conserved inner membrane lipid-binding proteins required for outer membrane homeostasis. Scientific Reports, 2017, 7, 8608.	1.6	52
38	Establishing the prevalence of common tissue-specific autoantibodies following severe acute respiratory syndrome coronavirus 2 infection. Clinical and Experimental Immunology, 2021, 205, 99-105.	1.1	52
39	Critical Synergy of CD30 and OX40 Signals in CD4 T Cell Homeostasis and Th1 Immunity to Salmonella. Journal of Immunology, 2008, 180, 2824-2829.	0.4	50
40	Complete Genome Sequence of the Crohn's Disease-Associated Adherent-Invasive Escherichia coliStrain HM605. Journal of Bacteriology, 2011, 193, 4540-4540.	1.0	50
41	Outer membrane protein size and LPS O-antigen define protective antibody targeting to the Salmonella surface. Nature Communications, 2020, 11, 851.	5.8	49
42	Absent Bactericidal Activity of Mouse Serum against Invasive African Nontyphoidal <i>Salmonella</i> Results from Impaired Complement Function but Not a Lack of Antibody. Journal of Immunology, 2011, 186, 2365-2371.	0.4	47
43	The Capsular Polysaccharide Vi from <i>Salmonella</i> Typhi Is a B1b Antigen. Journal of Immunology, 2012, 189, 5527-5532.	0.4	47
44	CD248/Endosialin is dynamically expressed on a subset of stromal cells during lymphoid tissue development, splenic remodeling and repair. FEBS Letters, 2007, 581, 3550-3556.	1.3	46
45	Early B blasts acquire a capacity for Ig class switch recombination that is lost as they become plasmablasts. European Journal of Immunology, 2011, 41, 3506-3512.	1.6	45
46	Differential Killing of Salmonella enterica Serovar Typhi by Antibodies Targeting Vi and Lipopolysaccharide O:9 Antigen. PLoS ONE, 2016, 11, e0145945.	1.1	44
47	Immunological correlates of mycobacterial growth inhibition describe a spectrum of tuberculosis infection. Scientific Reports, 2018, 8, 14480.	1.6	43
48	Th2 Activities Induced During Virgin T Cell Priming in the Absence of IL-4, IL-13, and B Cells. Journal of Immunology, 2002, 169, 2900-2906.	0.4	41
49	The M3 Muscarinic Receptor Is Required for Optimal Adaptive Immunity to Helminth and Bacterial Infection. PLoS Pathogens, 2015, 11, e1004636.	2.1	40
50	Molecular differences between the divergent responses of ovalbumin-specific CD4 T cells to alum-precipitated ovalbumin compared to ovalbumin expressed by Salmonella. Molecular Immunology, 2008, 45, 3558-3566.	1.0	39
51	Genome Sequence of the Emerging Pathogen <i>Aeromonas caviae</i> . Journal of Bacteriology, 2011, 193, 1286-1287.	1.0	39
52	CD8 T cells induce T-bet–dependent migration toward CXCR3 ligands by differentiated B cells produced during responses to alum-protein vaccines. Blood, 2012, 120, 4552-4559.	0.6	39
53	Salmonella enterica Serovar Typhimurium Travels to Mesenteric Lymph Nodes Both with Host Cells and Autonomously. Journal of Immunology, 2019, 202, 260-267.	0.4	39
54	Salmonella Typhi Porins OmpC and OmpF Are Potent Adjuvants for T-Dependent and T-Independent Antigens. Frontiers in Immunology, 2017, 8, 230.	2.2	38

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55	Thymic Function Is Maintained during <i>Salmonella</i> Induced Atrophy and Recovery. Journal of Immunology, 2012, 189, 4266-4274.	0.4	37
56	IL-4 directs both CD4 and CD8 T cells to produce Th2 cytokines in vitro, but only CD4 T cells produce these cytokines in response to alum-precipitated protein in vivo. Molecular Immunology, 2010, 47, 1914-1922.	1.0	36
57	Tâ€zone localized monocyteâ€derived dendritic cells promote Th1 priming to <i>Salmonella</i> Luropean Journal of Immunology, 2011, 41, 2654-2665.	1.6	35
58	Development of a highâ€sensitivity ELISA detecting IgG, IgA and IgM antibodies to the SARS oVâ€⊋ spike glycoprotein in serum and saliva. Immunology, 2021, 164, 135-147.	2.0	35
59	A generalised module for the selective extracellular accumulation of recombinant proteins. Microbial Cell Factories, $2012, 11, 69$ .	1.9	34
60	MyD88 Signaling Inhibits Protective Immunity to the Gastrointestinal Helminth Parasite <i>Heligmosomoides polygyrus</i> . Journal of Immunology, 2014, 193, 2984-2993.	0.4	34
61	Sequencing a piece of history: complete genome sequence of the original Escherichia coli strain. Microbial Genomics, 2017, 3, mgen000106.	1.0	33
62	Ligation of CD11c during vaccination promotes germinal centre induction and robust humoral responses without adjuvant. Immunology, 2010, 131, 141-151.	2.0	32
63	Death receptor 3 is essential for generating optimal protective CD4 <sup>1</sup> Tâ€cell immunity against Salmonella. European Journal of Immunology, 2012, 42, 580-588.	1.6	31
64	IgG Responses to Porins and Lipopolysaccharide within an Outer Membrane-Based Vaccine against Nontyphoidal <i>Salmonella</i> Develop at Discordant Rates. MBio, 2018, 9, .	1.8	31
65	CD31 Is Required on CD4+ T Cells To Promote T Cell Survival during <i>Salmonella</i> Journal of Immunology, 2011, 187, 1553-1565.	0.4	29
66	IL-4RÎ $\pm$ -Associated Antigen Processing by B Cells Promotes Immunity in Nippostrongylus brasiliensis Infection. PLoS Pathogens, 2013, 9, e1003662.	2.1	29
67	Mutational and Topological Analysis of the Escherichia coli BamA Protein. PLoS ONE, 2013, 8, e84512.	1.1	29
68	Pre-conception maternal helminth infection transfers via nursing long-lasting cellular immunity against helminths to offspring. Science Advances, 2019, 5, eaav3058.	4.7	29
69	Loss of CD154 impairs the Th2 extrafollicular plasma cell response but not early T cell proliferation and interleukin-4 induction. Immunology, 2004, 113, 187-193.	2.0	28
70	Transcription of the plasmidâ€encoded toxin gene from Enteroaggregative <i>Escherichia coli</i> is regulated by a novel coâ€activation mechanism involving CRP and Fis. Molecular Microbiology, 2011, 81, 179-191.	1.2	28
71	Human Hookworm Infection Enhances Mycobacterial Growth Inhibition and Associates With Reduced Risk of Tuberculosis Infection. Frontiers in Immunology, 2018, 9, 2893.	2.2	28
72	Salmonella-induced thrombi in mice develop asynchronously in the spleen and liver and are not effective bacterial traps. Blood, 2019, 133, 600-604.	0.6	28

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73	Natural and Vaccine-Mediated Immunity to Salmonella Typhimurium is Impaired by the Helminth Nippostrongylus brasiliensis. PLoS Neglected Tropical Diseases, 2014, 8, e3341.	1.3	27
74	Intestinal CD103+CD11b+ cDC2 Conventional Dendritic Cells Are Required for Primary CD4+ T and B Cell Responses to Soluble Flagellin. Frontiers in Immunology, 2018, 9, 2409.	2.2	26
75	Soluble flagellin coimmunization attenuates Th1 priming to Salmonella and clearance by modulating dendritic cell activation and cytokine production. European Journal of Immunology, 2015, 45, 2299-2311.	1.6	25
76	Structure of dual BON-domain protein DolP identifies phospholipid binding as a new mechanism for protein localisation. ELife, 2020, 9, .	2.8	25
77	Selective effects of NFâ€PB1 deficiency in CD4 <sup>+</sup> T cells on Th2 and TFh induction by alumâ€precipitated protein vaccines. European Journal of Immunology, 2011, 41, 1573-1582.	1.6	24
78	Tuberculin Skin Testing and Treatment Modulates Interferon-Gamma Release Assay Results for Latent Tuberculosis in Migrants. PLoS ONE, 2014, 9, e97366.	1.1	23
79	Il4ra-independent vaginal eosinophil accumulation following helminth infection exacerbates epithelial ulcerative pathology of HSV-2 infection. Cell Host and Microbe, 2021, 29, 579-593.e5.	5.1	22
80	Glycosylation and Serological Reactivity of an Expression-enhanced SARS-CoV-2 Viral Spike Mimetic. Journal of Molecular Biology, 2022, 434, 167332.	2.0	22
81	CD248 expression on mesenchymal stromal cells is required for postâ€natal and infectionâ€dependent thymus remodelling and regeneration. FEBS Open Bio, 2012, 2, 187-190.	1.0	21
82	Genotypic and Phenotypic Characterisation of Enteroaggregative Escherichia coli from Children in Rio de Janeiro, Brazil. PLoS ONE, 2013, 8, e69971.	1.1	21
83	Cross reactivity of spike glycoprotein induced antibody against Delta and Omicron variants before and after third SARS-CoV-2 vaccine dose in healthy and immunocompromised individuals. Journal of Infection, 2022, 84, 579-613.	1.7	21
84	lgG1 Is Required for Optimal Protection after Immunization with the Purified Porin OmpD from <i>Salmonella</i> Typhimurium. Journal of Immunology, 2017, 199, 4103-4109.	0.4	20
85	YraP Contributes to Cell Envelope Integrity and Virulence of Salmonella enterica Serovar Typhimurium. Infection and Immunity, 2018, 86, .	1.0	19
86	The Stability of Complement-Mediated Bactericidal Activity in Human Serum against Salmonella. PLoS ONE, 2012, 7, e49147.	1.1	19
87	Differential timing of antibodyâ€mediated phagocytosis and cellâ€free killing of invasive African <i>Salmonella</i> allows immune evasion. European Journal of Immunology, 2014, 44, 1093-1098.	1.6	17
88	Crossâ€species chimeras reveal <scp>BamA POTRA</scp> and <scp>β</scp> â€barrel domains must be fineâ€tuned for efficient <scp>OMP</scp> insertion. Molecular Microbiology, 2015, 97, 646-659.	1.2	17
89	Preferential uptake of SARS-CoV-2 by pericytes potentiates vascular damage and permeability in an organoid model of the microvasculature. Cardiovascular Research, 2022, 118, 3085-3096.	1.8	17
90	Elevated IgG Responses in Infants Are Associated With Reduced Prevalence of Mycobacterium tuberculosis Infection. Frontiers in Immunology, 2018, 9, 1529.	2.2	16

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91	Bacterial flagellin promotes viral entry via an NF-kB and Toll Like Receptor 5 dependent pathway. Scientific Reports, 2019, 9, 7903.	1.6	16
92	Loss of YhcB results in dysregulation of coordinated peptidoglycan, LPS and phospholipid synthesis during Escherichia coli cell growth. PLoS Genetics, 2021, 17, e1009586.	1.5	16
93	SARSâ€CoVâ€2â€specific IgG1/IgG3 but not IgM in children with Pediatric Inflammatory Multiâ€System Syndrome. Pediatric Allergy and Immunology, 2021, 32, 1125-1129.	1.1	13
94	Distinct blood transcriptomic signature of treatment in latent tuberculosis infected individuals at risk of developing active disease. Tuberculosis, 2021, 131, 102127.	0.8	13
95	Subversion of innate and adaptive immune activation induced by structurally modified lipopolysaccharide from Salmonella typhimurium. Immunology, 2011, 133, 469-481.	2.0	12
96	Hemodialysis Patients Make Long-Lived Antibodies against SARS-CoV-2 that May Be Associated with Reduced Reinfection. Journal of the American Society of Nephrology: JASN, 2021, 32, 2140-2142.	3.0	12
97	SARS-CoV-2 Spike- and Nucleoprotein-Specific Antibodies Induced After Vaccination or Infection Promote Classical Complement Activation. Frontiers in Immunology, 0, $13$ , .	2.2	12
98	Characterization of human humoral responses to the major outer membrane protein and OMP2 of Chlamydophila pneumoniae. FEMS Microbiology Letters, 2003, 227, 73-79.	0.7	11
99	Resolving <i>Salmonella</i> infection reveals dynamic and persisting changes in murine bone marrow progenitor cell phenotype and function. European Journal of Immunology, 2014, 44, 2318-2330.	1.6	11
100	The Use of Plasmapheresis in Patients with Bronchiectasis with Pseudomonas aeruginosa Infection and Inhibitory Antibodies. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 955-958.	2.5	11
101	Early simultaneous production of intranodal CD4 Th2 effectors and recirculating rapidly responding centralâ€memoryâ€like CD4 T cells. European Journal of Immunology, 2009, 39, 1573-1586.	1.6	8
102	Structure-Function Characterization of the Conserved Regulatory Mechanism of the Escherichia coli M48 Metalloprotease BepA. Journal of Bacteriology, 2020, 203, .	1.0	8
103	Tubercle bacilli generate a novel cell wall-associated pigment after long-term anaerobic culture. FEMS Microbiology Letters, 2004, 235, 191-198.	0.7	7
104	Contribution of factor H-Binding protein sequence to the cross-reactivity of meningococcal native outer membrane vesicle vaccines with over-expressed fHbp variant group 1. PLoS ONE, 2017, 12, e0181508.	1.1	7
105	The role ofChlamydia pneumoniaein acute respiratory tract infections in young children in The Gambia, West Africa. Annals of Tropical Paediatrics, 2006, 26, 87-94.	1.0	6
106	Recirculating CD4 memory T cells mount rapid secondary responses without major contributions from follicular CD4 effectors and B cells. European Journal of Immunology, 2007, 37, 1476-1484.	1.6	6
107	Antigen Localization Influences the Magnitude and Kinetics of Endogenous Adaptive Immune Response to Recombinant Salmonella Vaccines. Infection and Immunity, 2017, 85, .	1.0	6
108	Mice Deficient in T-bet Form Inducible NO Synthase–Positive Granulomas That Fail to Constrain <i>Salmonella &lt; /i&gt;. Journal of Immunology, 2020, 205, 708-719.</i>	0.4	6

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109	Latent Cytomegalovirus Infection and Previous Capsular Polysaccharide Vaccination Predict Poor Vaccine Responses in Older Adults, Independent of Chronic Kidney Disease. Clinical Infectious Diseases, 2021, 73, e880-e889.	2.9	6
110	Krýppel-like factor 2 controls IgA plasma cell compartmentalization and IgA responses. Mucosal Immunology, 2022, 15, 668-682.	2.7	5
111	Humoral immunity to memory antigens and pathogens is maintained in patients with chronic kidney disease. PLoS ONE, 2018, 13, e0195730.	1.1	4
112	BamA and BamD Are Essential for the Secretion of Trimeric Autotransporter Adhesins. Frontiers in Microbiology, 2021, 12, 628879.	1.5	4
113	Mapping Gene-by-Gene Single-Nucleotide Variation in 8,535 Mycobacterium tuberculosis Genomes: a Resource To Support Potential Vaccine and Drug Development. MSphere, 2021, 6, .	1.3	4
114	Rapid Development of Th2 Activity During T Cell Priming. Clinical and Developmental Immunology, 2003, 10, 1-6.	3.3	3
115	Complete Closed Genome Sequence of Nontoxigenic Invasive Corynebacterium diphtheriae bv. mitis Strain ISS 3319. Genome Announcements, 2018, 6, .	0.8	3
116	Bacterial Infections and Vaccines. Advances in Experimental Medicine and Biology, 2014, 828, 75-98.	0.8	2
117	Editorial: How Salmonella Infection can Inform on Mechanisms of Immune Function and Homeostasis. Frontiers in Immunology, 2015, 6, 451.	2.2	1
118	Immunity to Salmonella. , 2016, , 52-59.		0