

# Graham Aw Rook

## List of Publications by Year in descending order

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105  
papers

9,046  
citations

53794

45  
h-index

39675

94  
g-index

105  
all docs

105  
docs citations

105  
times ranked

9781  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of housekeeping genes for normalizing RNA expression in real-time PCR. <i>BioTechniques</i> , 2004, 37, 112-119.	1.8	838
2	Suppression of airway eosinophilia by killed <i>Mycobacterium vaccae</i> -induced allergen-specific regulatory T-cells. <i>Nature Medicine</i> , 2002, 8, 625-629.	30.7	495
3	Give us this day our daily germs. <i>Trends in Immunology</i> , 1998, 19, 113-116.	7.5	378
4	Tryptophan metabolism in the central nervous system: medical implications. <i>Expert Reviews in Molecular Medicine</i> , 2006, 8, 1-27.	3.9	349
5	Hygiene Hypothesis and Autoimmune Diseases. <i>Clinical Reviews in Allergy and Immunology</i> , 2012, 42, 5-15.	6.5	323
6	Hormones, peripherally activated prohormones and regulation of the Th1/Th2 balance. <i>Trends in Immunology</i> , 1994, 15, 301-303.	7.5	278
7	Microbes, immunoregulation, and the gut. <i>Gut</i> , 2005, 54, 317-320.	12.1	276
8	Mechanisms of Disease: the hygiene hypothesis revisited. <i>Nature Reviews Gastroenterology &amp; Hepatology</i> , 2006, 3, 275-284.	1.7	263
9	Review series on helminths, immune modulation and the hygiene hypothesis: The broader implications of the hygiene hypothesis. <i>Immunology</i> , 2009, 126, 3-11.	4.4	254
10	99th Dahlem Conference on Infection, Inflammation and Chronic Inflammatory Disorders: Darwinian medicine and the "hygiene" or "old friends" hypothesis. <i>Clinical and Experimental Immunology</i> , 2010, 100, 70-79.	10.0	247
11	The impact of human activities and lifestyles on the interlinked microbiota and health of humans and of ecosystems. <i>Science of the Total Environment</i> , 2018, 627, 1018-1038.	8.0	244
12	Give us this day our daily germs. <i>Trends in Immunology</i> , 1998, 19, 113-116.	7.5	225
13	A comparative analysis of disease-associated changes in the galactosylation of serum IgG. <i>Journal of Autoimmunity</i> , 1989, 2, 101-114.	6.5	213
14	Mycobacteria and other environmental organisms as immunomodulators for immunoregulatory disorders. <i>Seminars in Immunopathology</i> , 2004, 25, 237-255.	4.0	212
15	Time to abandon the hygiene hypothesis: new perspectives on allergic disease, the human microbiome, infectious disease prevention and the role of targeted hygiene. <i>Perspectives in Public Health</i> , 2016, 136, 213-224.	1.6	206
16	Evolution, human-microbe interactions, and life history plasticity. <i>Lancet</i> , The, 2017, 390, 521-530.	18.7	178
17	Recognition of Stage-Specific Mycobacterial Antigens Differentiates between Acute and Latent Infections with <i>Mycobacterium tuberculosis</i> . <i>Vaccine Journal</i> , 2006, 13, 179-186.	3.1	174
18	IL-4 in tuberculosis: implications for vaccine design. <i>Trends in Immunology</i> , 2004, 25, 483-488.	6.8	167

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19	Microbial "old friends"™, immunoregulation and socioeconomic status. <i>Clinical and Experimental Immunology</i> , 2014, 177, 1-12.	2.6	165
20	Healthy Individuals That Control a Latent Infection with <i>Mycobacterium tuberculosis</i> Express High Levels of Th1 Cytokines and the IL-4 Antagonist IL-4I2. <i>Journal of Immunology</i> , 2004, 172, 6938-6943.	0.8	160
21	Th2 Cytokines in Susceptibility to Tuberculosis. <i>Current Molecular Medicine</i> , 2007, 7, 327-337.	1.3	159
22	Immune responses to tuberculosis in developing countries: implications for new vaccines. <i>Nature Reviews Immunology</i> , 2005, 5, 661-667.	22.7	149
23	Gulf War syndrome: is it due to a systemic shift in cytokine balance towards a Th2 profile?. <i>Lancet, The</i> , 1997, 349, 1831-1833.	13.7	146
24	Long-Term Protective and Antigen-Specific Effect of Heat-Killed <i>Mycobacterium vaccae</i> in a Murine Model of Allergic Pulmonary Inflammation. <i>Journal of Immunology</i> , 2002, 169, 1492-1499.	0.8	113
25	Performance of a T-cell-based diagnostic test for tuberculosis infection in HIV-infected individuals is independent of CD4 cell count. <i>Aids</i> , 2005, 19, 2038-2041.	2.2	112
26	The hygiene hypothesis and psychiatric disorders. <i>Trends in Immunology</i> , 2008, 29, 150-158.	6.8	110
27	The molecular mechanisms of severe typhoid fever. <i>Trends in Microbiology</i> , 2001, 9, 316-320.	7.7	109
28	Utility of the antigen-specific interferon- $\gamma$ assay for the management of tuberculosis. <i>Current Opinion in Pulmonary Medicine</i> , 2005, 11, 195-202.	2.6	109
29	Innate immune responses to mycobacteria and the downregulation of atopic responses. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2003, 3, 337-342.	2.3	106
30	The role of IgG glycoforms in the pathogenesis of rheumatoid arthritis. <i>Seminars in Immunopathology</i> , 1988, 10, 231-249.	4.0	102
31	Extrapulmonary Locations of <i>Mycobacterium tuberculosis</i> DNA During Latent Infection. <i>Journal of Infectious Diseases</i> , 2012, 206, 1194-1205.	4.0	102
32	The hygiene hypothesis and the increasing prevalence of chronic inflammatory disorders. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2007, 101, 1072-1074.	1.8	101
33	Helsinki alert of biodiversity and health. <i>Annals of Medicine</i> , 2015, 47, 218-225.	3.8	95
34	Pulmonary tuberculosis in BALB/c mice with non-functional IL-4 genes: changes in the inflammatory effects of TNF- $\alpha$ and in the regulation of fibrosis. <i>European Journal of Immunology</i> , 2004, 34, 174-183.	2.9	86
35	Infection, immunoregulation, and cancer. <i>Immunological Reviews</i> , 2011, 240, 141-159.	6.0	85
36	Different screening strategies (single or dual) for the diagnosis of suspected latent tuberculosis: a cost effectiveness analysis. <i>BMC Pulmonary Medicine</i> , 2010, 10, 7.	2.0	79

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37	Hygiene and other early childhood influences on the subsequent function of the immune system. <i>Brain Research</i> , 2015, 1617, 47-62.	2.2	78
38	The biological activity of human monoclonal IgG anti-D is reduced by $\beta$ -galactosidase treatment. <i>Human Antibodies</i> , 1995, 6, 82-88.	1.5	67
39	Glucocorticoids and immune function. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 1999, 13, 567-581.	4.7	63
40	Do successful tuberculosis vaccines need to be immunoregulatory rather than merely Th1-boosting?. <i>Vaccine</i> , 2005, 23, 2115-2120.	3.8	62
41	The role of oil and agalactosyl IgG in the induction of arthritis in rodent models. <i>European Journal of Immunology</i> , 1991, 21, 1027-1032.	2.9	58
42	Ex Vivo Cytokine mRNA Levels Correlate with Changing Clinical Status of Ethiopian TB Patients and their Contacts Over Time. <i>PLoS ONE</i> , 2008, 3, e1522.	2.5	52
43	Effect of sample handling on analysis of cytokine responses to <i>Mycobacterium tuberculosis</i> in clinical samples using ELISA, ELISPOT and quantitative PCR. <i>Journal of Immunological Methods</i> , 2005, 298, 129-141.	1.4	51
44	Hygiene and Other Early Childhood Influences on the Subsequent Function of the Immune System. <i>Digestive Diseases</i> , 2011, 29, 144-153.	1.9	49
45	TH1/TH2 switching and loss of CD4+ T cells in chronic infections: an immunoendocrinological hypothesis not exclusive to HIV. <i>Trends in Immunology</i> , 1993, 14, 568-569.	7.5	48
46	Immunotherapeutics for Tuberculosis in Experimental Animals: Is There a Common Pathway Activated by Effective Protocols?. <i>Journal of Infectious Diseases</i> , 2007, 196, 191-198.	4.0	45
47	The importance of models of infection in the study of disease resistance. <i>Trends in Microbiology</i> , 2002, 10, s38-s46.	7.7	43
48	<i>FOXP3</i> gene expression in a tuberculosis case contact study. <i>Clinical and Experimental Immunology</i> , 2007, 149, 117-122.	2.6	43
49	Advances in the immunopathogenesis of pulmonary tuberculosis. <i>Current Opinion in Pulmonary Medicine</i> , 2001, 7, 116-123.	2.6	41
50	Old friends for breakfast. <i>Clinical and Experimental Allergy</i> , 2005, 35, 841-842.	2.9	41
51	Variation in Gamma Interferon Responses to Different Infecting Strains of <i>Mycobacterium tuberculosis</i> in Acid-Fast Bacillus Smear-Positive Patients and Household Contacts in Antananarivo, Madagascar. <i>Vaccine Journal</i> , 2010, 17, 1094-1103.	3.1	41
52	Immune systems in developed and developing countries; implications for the design of vaccines that will work where BCG does not. <i>Tuberculosis</i> , 2006, 86, 152-162.	1.9	40
53	The 6-kilodalton Early Secreted Antigenic Target-Responsive, Asymptomatic Contacts of Tuberculosis Patients Express Elevated Levels of Interleukin-4 and Reduced Levels of Gamma Interferon. <i>Infection and Immunity</i> , 2006, 74, 2817-2822.	2.2	39
54	Lymphocytes in neuroprotection, cognition and emotion: Is intolerance really the answer?. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 591-601.	4.1	39

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55	Modulation of Cell Death by <i>M. tuberculosis</i> as a Strategy for Pathogen Survival. <i>Clinical and Developmental Immunology</i> , 2011, 2011, 1-11.	3.3	38
56	Current concepts in chronic inflammatory diseases: Interactions between microbes, cellular metabolism, and inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 47-56.	2.9	35
57	Can we vaccinate against depression?. <i>Drug Discovery Today</i> , 2012, 17, 451-458.	6.4	34
58	RELATIONSHIP BETWEEN INTERLEUKIN 6, AGALACTOSYL IgG AND PRISTANE-INDUCED ARTHRITIS. <i>Autoimmunity</i> , 1992, 11, 247-254.	2.6	33
59	Bacterial vaccines for the treatment of multiple sclerosis and other autoimmune diseases. <i>Trends in Immunology</i> , 2000, 21, 503-508.	7.5	33
60	Treatment with BB-94, a broad spectrum inhibitor of zinc-dependent metalloproteinases, causes deviation of the cytokine profile towards Type-2 in experimental pulmonary tuberculosis in Balb/c mice. <i>International Journal of Experimental Pathology</i> , 2001, 81, 199-209.	1.3	32
61	Mycobacteria and rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1990, 33, 431-435.	6.7	30
62	On the interaction between agalactosyl IgG and Fc $\gamma$ 3 receptors. <i>European Journal of Immunology</i> , 1996, 26, 1404-1407.	2.9	29
63	DC Priming by <i>M. vaccae</i> Inhibits Th2 Responses in Contrast to Specific TLR2 Priming and Is Associated with Selective Activation of the CREB Pathway. <i>PLoS ONE</i> , 2011, 6, e18346.	2.5	29
64	T Cell Helper Types and Endocrines in the Regulation of Tissue-Damaging Mechanisms in Tuberculosis. <i>Immunobiology</i> , 1994, 191, 478-492.	1.9	28
65	Can nerve damage disrupt neuroendocrine immune homeostasis? Leprosy as a case in point. <i>Trends in Immunology</i> , 2002, 23, 18-22.	6.8	28
66	Clean living increases more than just atopic disease. <i>Trends in Immunology</i> , 2000, 21, 249.	7.5	27
67	Mycobacteria and allergies. <i>Immunobiology</i> , 2007, 212, 461-473.	1.9	27
68	Tuberculosis Due to High-Dose Challenge in Partially Immune Individuals: A Problem for Vaccination?. <i>Journal of Infectious Diseases</i> , 2009, 199, 613-618.	4.0	27
69	Expression of a novel cytokine, IL-4 $\delta$ 2, in HIV and HIV-tuberculosis co-infection. <i>Aids</i> , 2005, 19, 1601-1606.	2.2	25
70	The protective effect of immunoglobulin in murine tuberculosis is dependent on IgG glycosylation. <i>Pathogens and Disease</i> , 2013, 69, 176-183.	2.0	24
71	Expression of apoptosis-related genes in an Ethiopian cohort study correlates with tuberculosis clinical status. <i>European Journal of Immunology</i> , 2010, 40, 291-301.	2.9	22
72	Pathogenetic role, in human and murine tuberculosis, of changes in the peripheral metabolism of glucocorticoids and antiglucocorticoids. <i>Psychoneuroendocrinology</i> , 1997, 22, S109-S113.	2.7	20

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73	Progress and hindrances in tuberculosis vaccine development. <i>Lancet, The</i> , 2006, 367, 947-949.	13.7	19
74	The stability of mRNA encoding IL-4 is increased in pulmonary tuberculosis, while stability of mRNA encoding the antagonistic splice variant, IL-4 $\Delta$ 2, is not. <i>Tuberculosis</i> , 2007, 87, 237-241.	1.9	18
75	Tumours and Coley's toxins. <i>Nature</i> , 1992, 357, 545-545.	27.8	17
76	New meanings for an old word: adjuvanticity, cytokines and T cells. <i>Trends in Immunology</i> , 1993, 14, 95-96.	7.5	17
77	CCL2, CCL18 and sIL-4R in renal, meningeal and pulmonary TB; a 2 year study of patients and contacts. <i>Tuberculosis</i> , 2011, 91, 140-145.	1.9	15
78	Immunotherapy with mycobacteria. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2003, 3, 481-486.	2.3	13
79	The pathogen recognition sensor, NOD2, is variably expressed in patients with pulmonary tuberculosis. <i>BMC Infectious Diseases</i> , 2007, 7, 96.	2.9	12
80	Pathways Underlying Afferent Signaling of Bronchopulmonary Immune Activation to the Central Nervous System. <i>Chemical Immunology and Allergy</i> , 2012, 98, 118-141.	1.7	12
81	HLA-DR4, mycobacteria, heat-shock proteins, and rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1992, 35, 1409-1412.	6.7	11
82	Cortisol metabolism, cortisol sensitivity and the pathogenesis of leprosy reactions. <i>Tropical Medicine and International Health</i> , 1999, 4, 493-498.	2.3	11
83	Microbial exposures that establish immunoregulation are compatible with targeted hygiene. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 33-39.	2.9	10
84	Interferon gamma assays for tuberculosis. <i>Lancet Infectious Diseases, The</i> , 2005, 5, 324-325.	9.1	9
85	The Changing Microbial Environment and Chronic Inflammatory Disorders. <i>Allergy, Asthma and Clinical Immunology</i> , 2008, 4, 117.	2.0	7
86	Dangers of therapeutic manipulation of the Th1 $\leftrightarrow$ Th2 balance. <i>Trends in Immunology</i> , 2002, 23, 127-128.	6.8	5
87	Lost food narratives can grow human health in cities. <i>Frontiers in Ecology and the Environment</i> , 2018, 16, 560-562.	4.0	5
88	Peripheral T Cell Interferon- $\gamma$ Responses and Latent Tuberculosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 97-98.	5.6	5
89	Crohn's disease and MAP. <i>Lancet, The</i> , 2004, 364, 2178.	13.7	4
90	Phage display of functional $\alpha\beta$ single-chain T-cell receptor molecules specific for CD1b:Ac2SGL complexes from Mycobacterium tuberculosis-infected cells. <i>BMC Immunology</i> , 2013, 14, S2.	2.2	4

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91	Cytokine analysis at the single cell level and lymphoproliferative responses to mycobacterial antigens in HIV-1 patients with successful virologic response to potent antiretrovirals. <i>Journal of Clinical Immunology</i> , 2000, 20, 458-465.	3.8	3
92	The TGF- $\beta$ 1 paradox in asthma. <i>Trends in Immunology</i> , 2001, 22, 299-300.	6.8	3
93	Childhood Microbial Experience, Immunoregulation, Inflammation, and Adult Susceptibility to Psychosocial Stressors and Depression. , 2018, , 17-44.		3
94	Adrenal changes in murine pulmonary tuberculosis; a clue to pathogenesis?. <i>FEMS Immunology and Medical Microbiology</i> , 1995, 12, 63-72.	2.7	3
95	The "Old Friends" hypothesis; how early contact with certain microorganisms may influence immunoregulatory circuits. , 2005, , 183-194.		3
96	Steroid Metabolism and Immunity. <i>BioDrugs</i> , 1997, 8, 157-163.	4.6	2
97	Endocrine and cytokine responses in humans with pulmonary tuberculosis. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 169-170.	4.1	2
98	Aetiology of tuberculids. <i>Lancet, The</i> , 1993, 341, 565-566.	13.7	1
99	Glycosylation of Immunoglobulins. <i>BioDrugs</i> , 1994, 1, 169-172.	0.7	1
100	Mycobacteria, Immunoregulation, and Autoimmunity. , 2018, , 121-154.		1
101	Comment on Parker <i>et al</i> . ( <i>Evolution, Medicine and Public Health</i> 2021;9:120-30.). <i>Evolution, Medicine and Public Health</i> , 2021, 9, 192-193.	2.5	1
102	Bacteria, Immunity to. , 1998, , 315-320.		0
103	Expression of IL-4 mRNA in peripheral blood mononuclear cells from normal donors in relation to expression of TLR2. <i>Immunology Letters</i> , 2006, 106, 194-197.	2.5	0
104	Host susceptibility and resistance to Mycobacterium tuberculosis Genetic, neuroendocrine, and acquired factors. , 2009, , 87-95.		0
105	Mycobacteria, Immunoregulation, and Autoimmunity. , 2014, , 1-26.		0