John G Raynes

List of Publications by Year
in descending order

79 papers	3,077 citations	159585 30 h-index	168389 53 g-index
84 all docs	84 docs citations	84 times ranked	3758 citing authors

#	Article	IF	Citations
1	The comparative immunology of wild and laboratory mice, Mus musculus domesticus. Nature Communications, 2017, 8, 14811.	12.8	233
2	Serum amyloid A is an innate immune opsonin for Gram-negative bacteria. Blood, 2006, 108, 1751-1757.	1.4	197
3	Serum amyloid A (SAA): an acute phase protein and apolipoprotein. Atherosclerosis, 1993, 102, 131-146.	0.8	194
4	Influence of morbidity on serum retinol of children in a community-based study in northern Ghana. American Journal of Clinical Nutrition, 1993, 58, 192-197.	4.7	160
5	Serum Amyloid A Protein Binds to Outer Membrane Protein A of Gram-negative Bacteria. Journal of Biological Chemistry, 2005, 280, 18562-18567.	3.4	116
6	Activation of p38 Mitogen-Activated Protein Kinase Attenuates Leishmania donovani Infection in Macrophages. Infection and Immunity, 2002, 70, 5026-5035.	2.2	101
7	Proteolysis of AA Amyloid Fibril Proteins by Matrix Metalloproteinases-1, -2, and -3. American Journal of Pathology, 2001, 159, 561-570.	3.8	96
8	CD11b Regulates Recruitment of Alveolar Macrophages but Not Pulmonary Dendritic Cells after Pneumococcal Challenge. Journal of Infectious Diseases, 2006, 193, 205-213.	4.0	93
9	Human serum amyloid P is a multispecific adhesive protein whose ligands include 6-phosphorylated mannose and the 3-sulphated saccharides galactose, N-acetylgalactosamine and glucuronic acid.. EMBO Journal, 1992, 11, 813-819.	7.8	91
10	Acute-phase protein synthesis in human hepatoma cells: differential regulation of serum amyloid A (SAA) and haptoglobin by interleukin-1 and interleukin-6. Clinical and Experimental Immunology, 2008, 83, 488-491.	2.6	91
11	Comparison of serum amyloid A protein and C-reactive protein concentrations in cancer and non-malignant disease.. Journal of Clinical Pathology, 1983, 36, 798-803.	2.0	76
12	C-reactive protein-mediated phagocytosis and phospholipase D signalling through the high-affinity receptor for immunoglobulin G (Fcî³RI). Immunology, 2002, 107, 252-260.	4.4	73
13	IgG1 Fc N-glycan galactosylation as a biomarker for immune activation. Scientific Reports, 2016, 6, 28207.	3.3	71
14	Specific Interactions Between Sense and Complementary Peptides: The Basis for the Proteomic Code. ChemBioChem, 2002, 3, 136-151.	2.6	68
15	Acute-phase protein response is impaired in severely malnourished children. Clinical Science, 1993, 84, 169-175.	4.3	66
16	Measurement of acute phase proteins for assessing severity of Plasmodium falciparum malaria.. Journal of Clinical Pathology, 1991, 44, 228-231.	2.0	65
17	Is there an acute-phase response in steady-state sickle cell disease?. Lancet, The, 1993, 341, 651-653.	13.7	65
18	Vitamin A supplementation, morbidity, and serum acute-phase proteins in young Ghanaian children. American Journal of Clinical Nutrition, 1995, 62, 434-438.	4.7	62

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19	Proteolysis of serum amyloid A and AA amyloid proteins by cysteine proteases: cathepsin B generates AA amyloid proteins and cathepsin L may prevent their formation. Annals of the Rheumatic Diseases, 2005, 64, 808-815.	0.9	60
20	Câ€reactive protein is essential for innate resistance to pneumococcal infection. Immunology, 2014, 142, 414-420.	4.4	51
21	The lipidation status of acute-phase protein serum amyloid A determines cholesterol mobilization via scavenger receptor class B, type I. Biochemical Journal, 2007, 402, 117-124.	3.7	49
22	The proinflammatory activity of recombinant serum amyloid A is not shared by the endogenous protein in the circulation. Arthritis and Rheumatism, 2010, 62, 1660-1665.	6.7	42
23	The acute phase response. Biochemical Society Transactions, 1994, 22, 69-74.	3.4	41
24	Rouleaux-Forming Serum Proteins Are Involved in the Rosetting of Plasmodium falciparum-Infected Erythrocytes. Experimental Parasitology, 1999, 93, 215-224.	1.2	39
25	Polymorphisms in the IÎºB-Î± promoter region and risk of diseases involving inflammation and fibrosis. Genes and Immunity, 2001, 2, 153-155.	4.1	38
26	FcÎ³RIIa expression with FcÎ³RI results in C-reactive protein- and IgG-mediated phagocytosis. Journal of Leukocyte Biology, 2004, 75, 1029-1035.	3.3	38
27	The Role Played by Tumor Necrosis Factor during Localized and Systemic Infection withStreptococcus pneumoniae. Journal of Infectious Diseases, 2005, 191, 1538-1547.	4.0	37
28	Acute-phase HDL in phospholipid transfer protein (PLTP)-mediated HDL conversion. Atherosclerosis, 2001, 155, 297-305.	0.8	36
29	Malnutrition in Healthy Individuals Results in Increased Mixed Cytokine Profiles, Altered Neutrophil Subsets and Function. PLoS ONE, 2016, 11, e0157919.	2.5	36
30	Purification of serum amyloid a and other high density apolipoproteins by hydrophobic interaction chromatography. Analytical Biochemistry, 1988, 173, 116-124.	2.4	33
31	Neopterin, Î²2-Microglobulin, and Acute Phase Proteins in HIV-1-Seropositive and -Seronegative Zambian Patients with Tuberculosis. Lung, 1997, 175, 265-275.	3.3	33
32	Acute phase protein concentrations predict parasite clearance rate during therapy for visceral leishmaniasis. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1995, 89, 678-681.	1.8	30
33	Early Helminth Infections Are Inversely Related to Anemia, Malnutrition, and Malaria and Are Not Associated with Inflammation in 6- to 23-Month-Old Zanzibari Children. American Journal of Tropical Medicine and Hygiene, 2009, 81, 1062-1070.	1.4	29
34	Vitamin D (1,25(OH)2D3) induces Î±-1-antitrypsin synthesis by CD4+ T cells, which is required for 1,25(OH)2D3-driven IL-10. Journal of Steroid Biochemistry and Molecular Biology, 2019, 189, 1-9.	2.5	28
35	Factors affecting immunogenicity of BCG in infants, a study in Malawi, The Gambia and the UK. BMC Infectious Diseases, 2014, 14, 184.	2.9	27
36	Serum Amyloid A Isoforms in Inflammation. Scandinavian Journal of Immunology, 1991, 33, 657-666.	2.7	26

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37	C-reactive protein binds to phosphorylated carbohydrates. Glycobiology, 2000, 10, 59-65.	2.5	26
38	Adjusting for the Acute Phase Response Is Essential to Interpret Iron Status Indicators among Young Zanzibari Children Prone to Chronic Malaria and Helminth Infections ,. Journal of Nutrition, 2009, 139, 2124-2131.	2.9	26
39	The Carbohydrate-linked Phosphorylcholine of the Parasitic Nematode Product ES-62 Modulates Complement Activation. Journal of Biological Chemistry, 2016, 291, 11939-11953.	3.4	26
40	Activity of Chitosan and Its Derivatives against Leishmania major and Leishmania mexicana In Vitro. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	24
41	Design of Antisense(Complementary) Peptides as Selective Inhibitors of Cytokine Interleukin-1. Angewandte Chemie International Edition in English, 1997, 36, 962-967.	4.4	23
42	Transformation ofLeishmania mexicanametacyclic promastigotes to amastigote-like forms mediated by binding of human C-reactive protein. Parasitology, 2001, 122, 521-529.	1.5	23
43	C-reactive protein-mediated phagocytosis of Leishmania donovani promastigotes does not alter parasite survival or macrophage responses. Parasite Immunology, 2002, 24, 447-454.	1.5	22
44	A search within the IL-1 type I receptor reveals a peptide with hydropathic complementarity to the IL-1Î² trigger loop which binds to IL-1 and inhibits in vitro responses. Molecular Immunology, 1999, 36, 1141-1148.	2.2	20
45	Characterization of Posttranslationally Modified Multidrug Efflux Pumps Reveals an Unexpected Link between Glycosylation and Antimicrobial Resistance. MBio, 2020, 11, .	4.1	20
46	Mechanistic Investigation into Complementary (Antisense) Peptide Mini-Receptor Inhibitors of Cytokine Interleukin-1. ChemBioChem, 2002, 3, 76-85.	2.6	19
47	De-novo design of complementary (antisense) peptide mini-receptor inhibitor of interleukin 18 (IL-18). Molecular Immunology, 2004, 41, 1217-1224.	2.2	17
48	Characterising antibody avidity in individuals of varied Mycobacterium tuberculosis infection status using surface plasmon resonance. PLoS ONE, 2018, 13, e0205102.	2.5	16
49	Acute-Phase Proteins and the Serological Evaluation of Experimental Contact Sensitivity in the Mouse. International Archives of Allergy and Immunology, 1989, 89, 149-155.	2.1	15
50	A Protein AA-Variant Derived from a Novel Serum AA Protein, SAA1 Î´,in an Individual from Papua New Guinea. Biochemical and Biophysical Research Communications, 1996, 223, 320-323.	2.1	15
51	INTERFERON-Î³ MEDIATES HOST RESISTANCE IN A MURINE MODEL OF MELIOIDOSIS. Biochemical Society Transactions, 1997, 25, 287S-287S.	3.4	15
52	Cytomegalovirus antibody responses associated with increased risk of TB disease in Ugandan adults. Journal of Infectious Diseases, 2020, 221, 1127-1134.	4.0	14
53	Disease severity in patients with visceral leishmaniasis is not altered by co-infection with intestinal parasites. PLoS Neglected Tropical Diseases, 2017, 11, e0005727.	3.0	13
54	No increased prevalence of adrenocortical insufficiency in human immunodeficiency virus-associated tuberculosis. Tubercle and Lung Disease, 1996, 77, 444-448.	2.1	11

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55	Diagnosis of Streptococcus pneumoniae pneumonia by quantitative enzyme linked immunosorbent assay of C-polysaccharide antigen.. Journal of Clinical Pathology, 1994, 47, 749-751.	2.0	10
56	C-reactive protein increases C3 deposition on Leishmania donovani promastigotes in human serum. Biochemical Society Transactions, 1997, 25, 286S-286S.	3.4	9
57	Serum amyloid A has little effect on hight density lipoprotein (HDL) binding to U937 monocytes but may influence HDL mediated cholesterol transfer. Biochemical Society Transactions, 1997, 25, 348S-348S.	3.4	9
58	Mycobacterium tuberculosis infection is associated with increased B cell responses to unrelated pathogens. Scientific Reports, 2020, 10, 14324.	3.3	9
59	Use of QuantiFERONÂ®-TB Gold in-tube culture supernatants for measurement of antibody responses. PLoS ONE, 2017, 12, e0188396.	2.5	9
60	Genotype and the production of Î±-amylase in barley grains germinated in the presence and absence of gibberellic acid. Journal of Cereal Science, 1985, 3, 55-65.	3.7	8
61	Increased Collagenase Activity is not Detectable in Cervical Softening in the Ewe. Collagen and Related Research, 1988, 8, 461-469.	2.0	8
62	Increased hyaluronate synthesis and changes in glycosaminoglycan ratios and molecular weight of proteoglycans synthesised by cultured cervical tissue from ewes at various stages of pregnancy. Biochimica Et Biophysica Acta - General Subjects, 1991, 1075, 187-190.	2.4	8
63	Inhibition of the acute-phase response in a human hepatoma cell line. Agents and Actions, 1993, 38, C66-C68.	0.7	8
64	Neutrophil responses to CRP are not dependent on polymorphism of human FcgammaRIIA (R131H). Clinical and Experimental Immunology, 2004, 138, 271-277.	2.6	8
65	Effect of vitamin D supplementation of low birth weight term Indian infants from birth on cytokine production at 6 months. European Journal of Clinical Nutrition, 2012, 66, 746-750.	2.9	8
66	<scp>HIV</scp>,<scp> HCMV</scp> and mycobacterial antibody levels: a crossâ€sectional study in a rural Ugandan cohort. Tropical Medicine and International Health, 2019, 24, 247-257.	2.3	8
67	Detection of C-polysaccharide in serum of patients with Streptococcus pneumoniae bacteraemia.. Journal of Clinical Pathology, 1995, 48, 803-806.	2.0	7
68	Vitamin A status does not influence neopterin production during illness or health in South African children. British Journal of Nutrition, 1998, 80, 75-79.	2.3	6
69	Autoantibodies to cerebroside sulphate (sulphatide) in leprosy. Clinical and Experimental Immunology, 2008, 98, 145-150.	2.6	5
70	Binding of C-reactive protein to Leishmania. Biochemical Society Transactions, 1994, 22, 3S-3S.	3.4	4
71	Selektive Inhibierung von Interleukinâ€1 durch Antisenseâ€Peptide. Angewandte Chemie, 1997, 109, 999-1004.	2.0	4
72	A study of the denaturation of human C-reactive protein in the presence of calcium ions and glycero-phosphorylcholine. Thermochimica Acta, 1999, 334, 97-106.	2.7	3

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73	C-reactive protein and the liver stage of Plasmodium vivax and P. berghei. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1990, 84, 781.	1.8	2
74	Î±-1-Acid glycoprotein inhibits the effect of quinine on the growth of Plasmodium falciparum in vitro. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1992, 86, 377.	1.8	2
75	C-reactive protein initiates transformation of Leishmania donovani and L. mexicana through binding to lipophosphoglycan. Molecular and Biochemical Parasitology, 2006, 146, 259-264.	1.1	2
76	Î±-amylase isoenzymes of germinated barley. Journal of Cereal Science, 1985, 3, 67-72.	3.7	1
77	Purification of amyloid A protein. Biochemical Society Transactions, 1989, 17, 345-345.	3.4	0
78	Serum amyloid A isotypes. Biochemical Society Transactions, 1989, 17, 345-346.	3.4	0
79	P89â€...Novel mechanisms of immunomodulation by vitamin D and Î±-1-antitrypsin. Thorax, 2013, 68, A115.2-A115.	5.6	0