

# Helen J Ball

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

4,404  
citations

36  
h-index

66  
g-index

72  
ext. papers

4,910  
ext. citations

5.7  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
70	Cloned human neuropeptide Y receptor couples to two different second messenger systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1992</b> , 89, 5794-8	11.5	397
69	Characterization of an indoleamine 2,3-dioxygenase-like protein found in humans and mice. <i>Gene</i> , <b>2007</b> , 396, 203-13	3.8	331
68	Kynurenine is an endothelium-derived relaxing factor produced during inflammation. <i>Nature Medicine</i> , <b>2010</b> , 16, 279-85	50.5	322
67	Indoleamine 2,3-dioxygenase-2; a new enzyme in the kynurenine pathway. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2009</b> , 41, 467-71	5.6	202
66	Immunopathogenesis of cerebral malaria. <i>International Journal for Parasitology</i> , <b>2006</b> , 36, 569-82	4.3	191
65	Leukemia translocation protein PLZF inhibits cell growth and expression of cyclin A. <i>Oncogene</i> , <b>1999</b> , 18, 925-34	9.2	163
64	In-depth mutational analysis of the promyelocytic leukemia zinc finger BTB/POZ domain reveals motifs and residues required for biological and transcriptional functions. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 6550-67	4.8	154
63	Sequence-specific DNA binding and transcriptional regulation by the promyelocytic leukemia zinc finger protein. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 22447-55	5.4	152
62	The ETO protein disrupted in t(8;21)-associated acute myeloid leukemia is a corepressor for the promyelocytic leukemia zinc finger protein. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 2075-86	4.8	125
61	A Novel BTB/POZ Transcriptional Repressor Protein Interacts With the Fanconi Anemia Group C Protein and PLZF. <i>Blood</i> , <b>1999</b> , 94, 3737-3747	2.2	119
60	Chemokine gene expression during fatal murine cerebral malaria and protection due to CXCR3 deficiency. <i>Journal of Immunology</i> , <b>2008</b> , 180, 1217-30	5.3	118
59	Overlapping gene structure of the human neuropeptide Y receptor subtypes Y1 and Y5 suggests coordinate transcriptional regulation. <i>Genomics</i> , <b>1997</b> , 41, 315-9	4.3	109
58	Perforin mediated apoptosis of cerebral microvascular endothelial cells during experimental cerebral malaria. <i>International Journal for Parasitology</i> , <b>2006</b> , 36, 485-96	4.3	106
57	Indoleamine 2,3-dioxygenase 2 (IDO2) and the kynurenine pathway: characteristics and potential roles in health and disease. <i>Amino Acids</i> , <b>2013</b> , 45, 1319-29	3.5	104
56	Tryptophan-catabolizing enzymes - party of three. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 485	8.4	104
55	Early cytokine production is associated with protection from murine cerebral malaria. <i>Infection and Immunity</i> , <b>2005</b> , 73, 5645-53	3.7	85
54	Human indoleamine 2,3-dioxygenase-2 has substrate specificity and inhibition characteristics distinct from those of indoleamine 2,3-dioxygenase-1. <i>Amino Acids</i> , <b>2014</b> , 46, 2155-63	3.5	79

53	Increased expression of indoleamine 2,3-dioxygenase in murine malaria infection is predominantly localised to the vascular endothelium. <i>International Journal for Parasitology</i> , <b>2004</b> , 34, 1309-19	4.3	69
52	Evidence for reduced neurogenesis in the aging human hippocampus despite stable stem cell markers. <i>Aging Cell</i> , <b>2017</b> , 16, 1195-1199	9.9	64
51	Biochemical characteristics and inhibitor selectivity of mouse indoleamine 2,3-dioxygenase-2. <i>Amino Acids</i> , <b>2010</b> , 39, 565-78	3.5	58
50	Characterization and evolution of vertebrate indoleamine 2, 3-dioxygenases IDOs from monotremes and marsupials. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2009</b> , 153, 137-144	2.3	57
49	Amyotrophic lateral sclerosis-like superoxide dismutase 1 proteinopathy is associated with neuronal loss in Parkinson's disease brain. <i>Acta Neuropathologica</i> , <b>2017</b> , 134, 113-127	14.3	56
48	Subcellular compartmentalisation of copper, iron, manganese, and zinc in the Parkinson's disease brain. <i>Metallomics</i> , <b>2017</b> , 9, 1447-1455	4.5	56
47	Inflammasome-dependent IFN- $\gamma$ drives pathogenesis in <i>Streptococcus pneumoniae</i> meningitis. <i>Journal of Immunology</i> , <b>2012</b> , 189, 4970-80	5.3	55
46	Isolating vessels from the mouse brain for gene expression analysis using laser capture microdissection. <i>Brain Research Protocols</i> , <b>2002</b> , 9, 206-13		55
45	The promyelocytic leukemia zinc finger (PLZF) protein binds DNA in a high molecular weight complex associated with cdc2 kinase. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 4106-13	20.1	52
44	Multiple promoters regulate tissue-specific expression of the human NPY-Y1 receptor gene. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 27272-6	5.4	51
43	The kynurenine pathway of tryptophan degradation is activated during osteoblastogenesis. <i>Stem Cells</i> , <b>2015</b> , 33, 111-21	5.8	50
42	Coincident parasite and CD8 T cell sequestration is required for development of experimental cerebral malaria. <i>International Journal for Parasitology</i> , <b>2011</b> , 41, 155-63	4.3	49
41	1-L-methyltryptophan is a more effective inhibitor of vertebrate IDO2 enzymes than 1-D-methyltryptophan. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2010</b> , 157, 10-5	2.3	48
40	Brain gene expression, metabolism, and bioenergetics: interrelationships in murine models of cerebral and noncerebral malaria. <i>FASEB Journal</i> , <b>2004</b> , 18, 499-510	0.9	46
39	Identification of selective inhibitors of indoleamine 2,3-dioxygenase 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 7641-6	2.9	42
38	Differential microRNA expression in experimental cerebral and noncerebral malaria. <i>Infection and Immunity</i> , <b>2011</b> , 79, 2379-84	3.7	41
37	Cyclooxygenase-2 in the pathogenesis of murine cerebral malaria. <i>Journal of Infectious Diseases</i> , <b>2004</b> , 189, 751-8	7	41
36	Cerebral malaria: gamma-interferon redux. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2014</b> , 4, 113	5.9	36

35	Both functional LTbeta receptor and TNF receptor 2 are required for the development of experimental cerebral malaria. <i>PLoS ONE</i> , <b>2008</b> , 3, e2608	3.7	36
34	Interferon-gamma synergises with tumour necrosis factor and lymphotoxin-alpha to enhance the mRNA and protein expression of adhesion molecules in mouse brain endothelial cells. <i>Cytokine</i> , <b>2007</b> , 37, 84-91	4	36
33	The pro-inflammatory cytokine interferon-gamma is an important driver of neuropathology and behavioural sequelae in experimental pneumococcal meningitis. <i>Brain, Behavior, and Immunity</i> , <b>2014</b> , 40, 252-68	16.6	35
32	Assignment of the human neuropeptide Y gene to chromosome 7p15.1 by nonisotopic in situ hybridization. <i>Genomics</i> , <b>1995</b> , 26, 163-4	4.3	35
31	Low efficiency IDO2 enzymes are conserved in lower vertebrates, whereas higher efficiency IDO1 enzymes are dispensable. <i>FEBS Journal</i> , <b>2015</b> , 282, 2735-45	5.7	33
30	Prostaglandin E(2) inhibits calcium current in two sub-populations of acutely isolated mouse trigeminal sensory neurons. <i>Journal of Physiology</i> , <b>2002</b> , 539, 433-44	3.9	33
29	A role for Fas-Fas ligand interactions during the late-stage neuropathological processes of experimental cerebral malaria. <i>Journal of Neuroimmunology</i> , <b>2006</b> , 173, 96-107	3.5	31
28	Mouse and human indoleamine 2,3-dioxygenase display some distinct biochemical and structural properties. <i>Amino Acids</i> , <b>2009</b> , 36, 99-106	3.5	29
27	Predominance of interferon-related responses in the brain during murine malaria, as identified by microarray analysis. <i>Infection and Immunity</i> , <b>2008</b> , 76, 1812-24	3.7	26
26	Investigation of the Tissue Distribution and Physiological Roles of Indoleamine 2,3-Dioxygenase-2. <i>International Journal of Tryptophan Research</i> , <b>2017</b> , 10, 1178646917735098	5.6	23
25	Mechanisms of murine cerebral malaria: Multimodal imaging of altered cerebral metabolism and protein oxidation at hemorrhage sites. <i>Science Advances</i> , <b>2015</b> , 1, e1500911	14.3	23
24	Reduced activity of the epithelial sodium channel in malaria-induced pulmonary oedema in mice. <i>International Journal for Parasitology</i> , <b>2011</b> , 41, 81-8	4.3	22
23	Indoleamine 2,3-dioxygenases with very low catalytic activity are well conserved across kingdoms: IDOs of Basidiomycota. <i>Fungal Genetics and Biology</i> , <b>2013</b> , 56, 98-106	3.9	21
22	The kynurenine pathway and parasitic infections that affect CNS function. <i>Neuropharmacology</i> , <b>2017</b> , 112, 389-398	5.5	20
21	Effect of indoleamine dioxygenase-1 deficiency and kynurenine pathway inhibition on murine cerebral malaria. <i>International Journal for Parasitology</i> , <b>2009</b> , 39, 363-70	4.3	20
20	Efficient tryptophan-catabolizing activity is consistently conserved through evolution of TDO enzymes, but not IDO enzymes. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2015</b> , 324, 128-40	1.8	19
19	The evolution of three types of indoleamine 2,3 dioxygenases in fungi with distinct molecular and biochemical characteristics. <i>Gene</i> , <b>2012</b> , 504, 64-74	3.8	18
18	Vascular expression, activity and function of indoleamine 2,3-dioxygenase-1 following cerebral ischaemia-reperfusion in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2011</b> , 383, 471-81	3.4	16

17	Molecular evolution and characterization of fungal indoleamine 2,3-dioxygenases. <i>Journal of Molecular Evolution</i> , <b>2011</b> , 72, 160-8	3.1	16
16	A novel automated test battery reveals enduring behavioural alterations and cognitive impairments in survivors of murine pneumococcal meningitis. <i>Brain, Behavior, and Immunity</i> , <b>2014</b> , 35, 107-24	16.6	15
15	Molecular evolution of bacterial indoleamine 2,3-dioxygenase. <i>Gene</i> , <b>2011</b> , 485, 22-31	3.8	13
14	An effective, low-cost method for achieving and maintaining hypoxia during cell culture studies. <i>BioTechniques</i> , <b>2015</b> , 59, 223-4, 226, 228-9	2.5	11
13	Interleukin-18 deficiency and its long-term behavioural and cognitive impacts in a murine model of pneumococcal meningitis. <i>Behavioural Brain Research</i> , <b>2014</b> , 263, 176-89	3.4	11
12	Endothelial cells potentiate interferon- $\gamma$ production in a novel tripartite culture model of human cerebral malaria. <i>PLoS ONE</i> , <b>2013</b> , 8, e69521	3.7	11
11	Synergistic induction of CXCL10 by interferon-gamma and lymphotoxin-alpha in astrocytes: Possible role in cerebral malaria. <i>Cytokine</i> , <b>2016</b> , 78, 79-86	4	10
10	The kynurenine pathway contributes to long-term neuropsychological changes in experimental pneumococcal meningitis. <i>Behavioural Brain Research</i> , <b>2014</b> , 270, 179-95	3.4	10
9	Interferon- $\gamma$ -Induced Nitric Oxide Synthase-2 Contributes to Blood/Brain Barrier Dysfunction and Acute Mortality in Experimental Streptococcus pneumoniae Meningitis. <i>Journal of Interferon and Cytokine Research</i> , <b>2016</b> , 36, 86-99	3.5	9
8	Needle in a haystack: microdissecting the proteome of a tissue. <i>Amino Acids</i> , <b>2004</b> , 27, 1-7	3.5	9
7	A Novel BTB/POZ Transcriptional Repressor Protein Interacts With the Fanconi Anemia Group C Protein and PLZF. <i>Blood</i> , <b>1999</b> , 94, 3737-3747	2.2	8
6	Chemokines and Malaria Infection. <i>Current Immunology Reviews</i> , <b>2006</b> , 2, 331-344	1.3	6
5	TIGR4 strain causes more severe disease than WU2 strain in a mouse model of Streptococcus pneumoniae meningitis: a common pathogenic role for interferon- $\gamma$ <i>Microbes and Infection</i> , <b>2017</b> , 19, 413-421	9.3	4
4	The Fe-heme structure of met-indoleamine 2,3-dioxygenase-2 determined by X-ray absorption fine structure. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 450, 25-9	3.4	4
3	IRGM3 contributes to immunopathology and is required for differentiation of antigen-specific effector CD8+ T cells in experimental cerebral malaria. <i>Infection and Immunity</i> , <b>2015</b> , 83, 1406-17	3.7	2
2	Brain endothelial cells increase the proliferation of Plasmodium falciparum through production of soluble factors. <i>Experimental Parasitology</i> , <b>2014</b> , 145, 34-41	2.1	1
1	Improved spectrophotometric human interferon-gamma bioassay. <i>Journal of Immunological Methods</i> , <b>2013</b> , 394, 115-20	2.5	1