Sheila M Donnelly

List of Publications by Year
in descending order

74 papers	4,538 citations	109321 35 h-index	106344 65 g-index
75 all docs	75 docs citations	75 times ranked	3714 citing authors

#	Article	IF	Citations
1	Targeting the <scp>PI3K</scp>/Akt signaling pathway in pancreatic Î²â€cells to enhance their survival and function: An emerging therapeutic strategy for type 1 diabetes. Journal of Diabetes, 2022, 14, 247-260.	1.8	25
2	Exploring the role of macrophages in determining the pathogenesis of liver fluke infection. Parasitology, 2022, 149, 1364-1373.	1.5	6
3	Stage-specific miRNAs regulate gene expression associated with growth, development and parasite-host interaction during the intra-mammalian migration of the zoonotic helminth parasite Fasciola hepatica. BMC Genomics, 2022, 23, .	2.8	10
4	RAGE and TLR4 differentially regulate airway hyperresponsiveness: Implications for COPD. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1123-1135.	5.7	14
5	Complementary transcriptomic and proteomic analyses reveal the cellular and molecular processes that drive growth and development of Fasciola hepatica in the host liver. BMC Genomics, 2021, 22, 46.	2.8	28
6	Fasciola hepatica hijacks host macrophage miRNA machinery to modulate early innate immune responses. Scientific Reports, 2021, 11, 6712.	3.3	23
7	The Impact of Helminth Infection on the Incidence of Metabolic Syndrome: A Systematic Review and Meta-Analysis. Frontiers in Endocrinology, 2021, 12, 728396.	3.5	18
8	The parasite-derived peptide FhHDM-1 activates the PI3K/Akt pathway to prevent cytokine-induced apoptosis of Î²-cells. Journal of Molecular Medicine, 2021, 99, 1605-1621.	3.9	7
9	Commandeering the mammalian Ago2 miRNA network: a newly discovered mechanism of helminth immunomodulation. Trends in Parasitology, 2021, 37, 1031-1033.	3.3	3
10	Applying 'omics' technologies to understand Fasciola spp. biology.. , 2021, , 338-378.		2
11	Effectiveness of Helminth Therapy in the Prevention of Allograft Rejection: A Systematic Review of Allogeneic Transplantation. Frontiers in Immunology, 2020, 11, 1604.	4.8	4
12	Schistosoma mansoni immunomodulatory molecule Sm16/SPO-1/SmSLP is a member of the trematode-specific helminth defence molecules (HDMs). PLoS Neglected Tropical Diseases, 2020, 14, e0008470.	3.0	8
13	An Evaluation of the Fasciola hepatica miRnome Predicts a Targeted Regulation of Mammalian Innate Immune Responses. Frontiers in Immunology, 2020, 11, 608686.	4.8	12
14	The cathepsin-like cysteine peptidases of trematodes of the genus Fasciola. Advances in Parasitology, 2019, 104, 113-164.	3.2	46
15	Infection by the Helminth Parasite Fasciola hepatica Requires Rapid Regulation of Metabolic, Virulence, and Invasive Factors to Adjust to Its Mammalian Host. Molecular and Cellular Proteomics, 2018, 17, 792-809.	3.8	76
16	The parasitic 68-mer peptide FhHDM-1 inhibits mixed granulocytic inflammation and airway hyperreactivity in experimental asthma. Journal of Allergy and Clinical Immunology, 2018, 141, 2316-2319.	2.9	9
17	Proteomic Analysis of Extracellular HMGB1 Identifies Binding Partners and Exposes Its Potential Role in Airway Epithelial Cell Homeostasis. Journal of Proteome Research, 2018, 17, 33-45.	3.7	14
18	Immune signatures of pathogenesis in the peritoneal compartment during early infection of sheep with Fasciola hepatica. Scientific Reports, 2017, 7, 2782.	3.3	33

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19	The immune modulatory peptide FhHDMâ€1 secreted by the helminth Fasciola hepatica prevents NLRP3 inflammasome activation by inhibiting endolysosomal acidification in macrophages. FASEB Journal, 2017, 31, 85-95.	0.5	54
20	Novel Therapeutics for Multiple Sclerosis Designed by Parasitic Worms. International Journal of Molecular Sciences, 2017, 18, 2141.	4.1	17
21	Selection of reliable reference genes for the normalisation of gene expression levels following time course LPS stimulation of murine bone marrow derived macrophages. BMC Immunology, 2017, 18, 43.	2.2	28
22	Targeting the master regulator mTOR: a new approach to prevent the neurological of consequences of parasitic infections?. Parasites and Vectors, 2017, 10, 581.	2.5	5
23	A parasite-derived 68-mer peptide ameliorates autoimmune disease in murine models of Type 1 diabetes and multiple sclerosis. Scientific Reports, 2016, 6, 37789.	3.3	34
24	The choice of phorbol 12-myristate 13-acetate differentiation protocol influences the response of THP-1 macrophages to a pro-inflammatory stimulus. Journal of Immunological Methods, 2016, 430, 64-70.	1.4	236
25	Fasciola hepatica vaccine: We may not be there yet but weâ€™re on the right road. Veterinary Parasitology, 2015, 208, 101-111.	1.8	158
26	A parasitic helminth-derived peptide that targets the macrophage lysosome is a novel therapeutic option for autoimmune disease. Immunobiology, 2015, 220, 262-269.	1.9	19
27	Cysteine Peptidases as Schistosomiasis Vaccines with Inbuilt Adjuvanticity. PLoS ONE, 2014, 9, e85401.	2.5	57
28	Induction of protective immune responses against schistosomiasis using functionally active cysteine peptidases. Frontiers in Genetics, 2014, 5, 119.	2.3	33
29	Secreted Proteins from the Helminth Fasciola hepatica Inhibit the Initiation of Autoreactive T Cell Responses and Prevent Diabetes in the NOD Mouse. PLoS ONE, 2014, 9, e86289.	2.5	59
30	Fasciola hepatica tegumental antigens indirectly induce an M2 macrophageâ€like phenotype in vivo. Parasite Immunology, 2014, 36, 531-539.	1.5	39
31	Fasciola hepatica: The therapeutic potential of a worm secretome. International Journal for Parasitology, 2013, 43, 283-291.	3.1	43
32	Immunomodulatory molecules of Fasciola hepatica: Candidates for both vaccine and immunotherapeutic development. Veterinary Parasitology, 2013, 195, 272-285.	1.8	162
33	Cathelicidin-like Helminth Defence Molecules (HDMs): Absence of Cytotoxic, Anti-microbial and Anti-protozoan Activities Imply a Specific Adaptation to Immune Modulation. PLoS Neglected Tropical Diseases, 2013, 7, e2307.	3.0	34
34	Helminth defence moleculesâ€”immunomodulators designed by parasites!. Frontiers in Microbiology, 2013, 4, 296.	3.5	25
35	Defense peptides secreted by helminth pathogens: antimicrobial and/or immunomodulator molecules?. Frontiers in Immunology, 2012, 3, 269.	4.8	23
36	Antimicrobial peptides: utility players in innate immunity. Frontiers in Immunology, 2012, 3, 325.	4.8	3

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37	A helminth cathelicidinâ€like protein suppresses antigen processing and presentation in macrophagesviainhibition of lysosomal vATPase. FASEB Journal, 2012, 26, 4614-4627.	0.5	71
38	A Family of Helminth Molecules that Modulate Innate Cell Responses via Molecular Mimicry of Host Antimicrobial Peptides. PLoS Pathogens, 2011, 7, e1002042.	4.7	115
39	How Pathogen-Derived Cysteine Proteases Modulate Host Immune Responses. Advances in Experimental Medicine and Biology, 2011, 712, 192-207.	1.6	26
40	Worm secretory molecules are causing alarm. Trends in Parasitology, 2010, 26, 371-372.	3.3	25
41	Peroxiredoxin: a central player in immune modulation. Parasite Immunology, 2010, 32, 305-313.	1.5	102
42	Aminopeptidases of Malaria Parasites: New Targets for Chemotherapy. Infectious Disorders - Drug Targets, 2010, 10, 217-225.	0.8	25
43	Helminth Cysteine Proteases Inhibit TRIF-dependent Activation of Macrophages via Degradation of TLR3. Journal of Biological Chemistry, 2010, 285, 3383-3392.	3.4	123
44	Major Secretory Antigens of the Helminth Fasciola hepatica Activate a Suppressive Dendritic Cell Phenotype That Attenuates Th17 Cells but Fails To Activate Th2 Immune Responses. Infection and Immunity, 2010, 78, 793-801.	2.2	119
45	Protection of cattle against a natural infection of Fasciola hepatica by vaccination with recombinant cathepsin L1 (rFhCL1). Vaccine, 2010, 28, 5551-5557.	3.8	111
46	Structural basis for the inhibition of the essential Plasmodium falciparum M1 neutral aminopeptidase. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2537-2542.	7.1	133
47	The enigmatic asparaginyl endopeptidase of helminth parasites. Trends in Parasitology, 2009, 25, 59-61.	3.3	37
48	Selective induction of the Notch ligand Jaggedâ€1 in macrophages by soluble egg antigen from Schistosoma mansoni involves ERK signalling. Immunology, 2009, 127, 326-337.	4.4	35
49	An Integrated Transcriptomics and Proteomics Analysis of the Secretome of the Helminth Pathogen Fasciola hepatica. Molecular and Cellular Proteomics, 2009, 8, 1891-1907.	3.8	244
50	Immunological Interactions between 2 Common Pathogens, Th1-Inducing Protozoan Toxoplasma gondii and the Th2-Inducing Helminth Fasciola hepatica. PLoS ONE, 2009, 4, e5692.	2.5	42
51	The M17 Leucine Aminopeptidase of the Malaria Parasite Plasmodium falciparum: Importance of Active Site Metal Ions in the Binding of Substrates and Inhibitors. Biochemistry, 2009, 48, 5435-5439.	2.5	47
52	The Importance of pH in Regulating the Function of the Fasciola hepatica Cathepsin L1 Cysteine Protease. PLoS Neglected Tropical Diseases, 2009, 3, e369.	3.0	69
53	Helminth pathogen cathepsin proteases: itâ€™s a family affair. Trends in Biochemical Sciences, 2008, 33, 601-608.	7.5	122
54	Proteomics and Phylogenetic Analysis of the Cathepsin L Protease Family of the Helminth Pathogen Fasciola hepatica. Molecular and Cellular Proteomics, 2008, 7, 1111-1123.	3.8	118

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55	Helminth 2â€Cys peroxiredoxin drives Th2 responses through a mechanism involving alternatively activated macrophages. FASEB Journal, 2008, 22, 4022-4032.	0.5	210
56	Structural and Functional Relationships in the Virulence-associated Cathepsin L Proteases of the Parasitic Liver Fluke, Fasciola hepatica. Journal of Biological Chemistry, 2008, 283, 9896-9908.	3.4	90
57	The M18 Aspartyl Aminopeptidase of the Human Malaria Parasite Plasmodium falciparum. Journal of Biological Chemistry, 2007, 282, 30817-30826.	3.4	48
58	The Major Secreted Cathepsin L1 Protease of the Liver Fluke, Fasciola hepatica. Journal of Biological Chemistry, 2007, 282, 16532-16543.	3.4	30
59	Squamous cell carcinoma antigen 1 is an inhibitor of parasiteâ€derived cysteine proteases. FEBS Letters, 2007, 581, 4260-4264.	2.8	19
60	Characterization of the Plasmodium falciparum M17 Leucyl Aminopeptidase. Journal of Biological Chemistry, 2007, 282, 2069-2080.	3.4	111
61	Biochemical characterisation of the recombinant peroxiredoxin (FhePrx) of the liver fluke,Fasciola hepatica. FEBS Letters, 2006, 580, 5016-5022.	2.8	37
62	De-glycosylation of Pichia pastoris-produced Schistosoma mansoni cathepsin B eliminates non-specific reactivity with IgG in normal human serum. Journal of Immunological Methods, 2005, 304, 151-157.	1.4	21
63	Proteases in Helminth- and Allergen- Induced Inflammatory Responses. , 2005, 90, 45-64.		50
64	Thioredoxin Peroxidase Secreted by Fasciola hepatica Induces the Alternative Activation of Macrophages. Infection and Immunity, 2005, 73, 166-173.	2.2	258
65	Cathepsin L1, the Major Protease Involved in Liver Fluke (Fasciola hepatica) Virulence. Journal of Biological Chemistry, 2004, 279, 17038-17046.	3.4	141
66	Leucine aminopeptidase of the human blood flukes, Schistosoma mansoni and Schistosoma japonicum. International Journal for Parasitology, 2004, 34, 703-714.	3.1	78
67	Helminths at mucosal barriersâ€"interaction with the immune system. Advanced Drug Delivery Reviews, 2004, 56, 853-868.	13.7	48
68	Helminth vaccines: from mining genomic information for vaccine targets to systems used for protein expression. International Journal for Parasitology, 2003, 33, 621-640.	3.1	88
69	Fasciola hepatica cathepsin L-like proteases: biology, function, and potential in the development of first generation liver fluke vaccines. International Journal for Parasitology, 2003, 33, 1173-1181.	3.1	238
70	Whole-Cell but Not Acellular Pertussis Vaccines Induce Convulsive Activity in Mice: Evidence of a Role for Toxin-Induced Interleukin-1Î² in a New Murine Model for Analysis of Neuronal Side Effects of Vaccination. Infection and Immunity, 2001, 69, 4217-4223.	2.2	53
71	Interleukin-1Î²-dependent changes in the hippocampus following parenteral immunization with a whole cell pertussis vaccine. Journal of Neuroimmunology, 2000, 111, 68-76.	2.3	20
72	Induction of inflammatory cytokines in the brain following respiratory infection with Bordetella pertussis. Journal of Neuroimmunology, 2000, 102, 172-181.	2.3	25

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73	Glycerol-induced seizure. NeuroReport, 1999, 10, 1821-1825.	1.2	24
74	Proinflammatory Cytokines in the Adverse Systemic and Neurologic Effects Associated with Parenteral Injection of a Whole Cell Pertussis Vaccine. Annals of the New York Academy of Sciences, 1998, 856, 274-277.	3.8	18