Danielle J Smyth

List of Publications by Year
in descending order

39 papers	2,864 citations	331670 21 h-index	289244 40 g-index
45 all docs	45 docs citations	45 times ranked	4108 citing authors

#	Article	IF	Citations
1	Intestinal epithelial tuft cells initiate type 2 mucosal immunity to helminth parasites. Nature, 2016, 529, 226-230.	27.8	706
2	Tetraspanins on the surface of Schistosoma mansoni are protective antigens against schistosomiasis. Nature Medicine, 2006, 12, 835-840.	30.7	359
3	Proteomics Analysis of the Excretory/Secretory Component of the Blood-feeding Stage of the Hookworm, Ancylostoma caninum. Molecular and Cellular Proteomics, 2009, 8, 109-121.	3.8	167
4	A structurally distinct TGF-Î² mimic from an intestinal helminth parasite potently induces regulatory T cells. Nature Communications, 2017, 8, 1741.	12.8	159
5	Prostaglandin E ₂ constrains systemic inflammation through an innate lymphoid cellâ€“IL-22 axis. Science, 2016, 351, 1333-1338.	12.6	156
6	A Macrophage-Pericyte Axis Directs Tissue Restoration via Amphiregulin-Induced Transforming Growth Factor Beta Activation. Immunity, 2019, 50, 645-654.e6.	14.3	141
7	HpARI Protein Secreted by a Helminth Parasite Suppresses Interleukin-33. Immunity, 2017, 47, 739-751.e5.	14.3	130
8	Proteolysis of human hemoglobin by schistosome cathepsin D. Molecular and Biochemical Parasitology, 2001, 112, 103-112.	1.1	108
9	Hookworm Excretory/Secretory Products Induce Interleukin-4 (IL-4) ⁺ IL-10 ⁺ CD4 ⁺ T Cell Responses and Suppress Pathology in a Mouse Model of Colitis. Infection and Immunity, 2013, 81, 2104-2111.	2.2	102
10	Helminths in the hygiene hypothesis: sooner or later?. Clinical and Experimental Immunology, 2014, 177, 38-46.	2.6	94
11	TGF-Î² in tolerance, development and regulation of immunity. Cellular Immunology, 2016, 299, 14-22.	3.0	75
12	Cultivation of Heligmosomoides Polygyrus: An Immunomodulatory Nematode Parasite and its Secreted Products. Journal of Visualized Experiments, 2015, , e52412.	0.3	67
13	Selectable marker-free transgenic barley producing a high level of cellulase (1,4-?-glucanase) in developing grains. Plant Cell Reports, 2003, 21, 1088-1094.	5.6	66
14	Isolation of cDNAs Encoding Secreted and Transmembrane Proteins from Schistosoma mansoni by a Signal Sequence Trap Method. Infection and Immunity, 2003, 71, 2548-2554.	2.2	61
15	Recombinant paramyosin (rec-Sj-97) tested for immunogenicity and vaccine efficacy against Schistosoma japonicum in mice and water buffaloes. Vaccine, 2001, 20, 870-878.	3.8	55
16	Prostaglandin E ₂ promotes intestinal inflammation via inhibiting microbiota-dependent regulatory T cells. Science Advances, 2021, 7, .	10.3	44
17	TGF-Î² mimic proteins form an extended gene family in the murine parasite Heligmosomoides polygyrus. International Journal for Parasitology, 2018, 48, 379-385.	3.1	39
18	A pore-forming haemolysin from the hookworm, Ancylostoma caninum. International Journal for Parasitology, 2004, 34, 1029-1035.	3.1	32

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19	Activation of Nippostrongylus brasiliensis infective larvae is regulated by a pathway distinct from the hookworm Ancylostoma caninum. International Journal for Parasitology, 2010, 40, 1619-1628.	3.1	28
20	Macrophage Migration Inhibitory Factor (MIF) Is Essential for Type 2 Effector Cell Immunity to an Intestinal Helminth Parasite. Frontiers in Immunology, 2019, 10, 2375.	4.8	26
21	Two Isoforms of a Divalent Metal Transporter (DMT1) in Schistosoma mansoni Suggest a Surface-associated Pathway for Iron Absorption in Schistosomes. Journal of Biological Chemistry, 2006, 281, 2242-2248.	3.4	25
22	IL-33: A central cytokine in helminth infections. Seminars in Immunology, 2021, 53, 101532.	5.6	20
23	The fugitive LTR retrotransposon from the genome of the human blood fluke, Schistosoma mansoni. International Journal for Parasitology, 2004, 34, 1365-1375.	3.1	19
24	The IL-25-dependent tuft cell circuit driven by intestinal helminths requires macrophage migration inhibitory factor (MIF). Mucosal Immunology, 2022, 15, 1243-1256.	6.0	18
25	In vitro and in silico analysis of signal peptides from the human blood fluke,Schistosoma mansoni. FEMS Immunology and Medical Microbiology, 2005, 45, 201-211.	2.7	17
26	Induction of stable human FOXP3⁺ Tregs by a parasiteâ€derived TGFâ€Î² mimic. Immunology and Cell Biology, 2021, 99, 833-847.	2.3	17
27	The parasite cytokine mimic Hpâ€TGM potently replicates the regulatory effects of TGFâ€Î² on murine CD4⁺ T cells. Immunology and Cell Biology, 2021, 99, 848-864.	2.3	17
28	Extracorporeal membrane oxygenation line-associated complications: in vitro testing of cyanoacrylate tissue adhesive and securement devices to prevent infection and dislodgement. Intensive Care Medicine Experimental, 2018, 6, 6.	1.9	16
29	Oral delivery of a functional algal-expressed TGF-Î² mimic halts colitis in a murine DSS model. Journal of Biotechnology, 2021, 340, 1-12.	3.8	15
30	A Cytochrome b561 with Ferric Reductase Activity from the Parasitic Blood Fluke, Schistosoma japonicum. PLoS Neglected Tropical Diseases, 2010, 4, e884.	3.0	12
31	Convergent evolution of a parasite-encoded complement control protein-scaffold to mimic binding of mammalian TGF-Î² to its receptors, TÎ²RI and TÎ²RII. Journal of Biological Chemistry, 2022, 298, 101994.	3.4	12
32	Suppression of airway allergic eosinophilia by <scp>Hpâ€TGM</scp>, a helminth mimic of <scp>TGF</scp>â€Î². Immunology, 2022, 167, 197-211.	4.4	11
33	DrsG from Streptococcus dysgalactiae subsp. equisimilis Inhibits the Antimicrobial Peptide LL-37. Infection and Immunity, 2014, 82, 2337-2344.	2.2	10
34	Identification of membrane-bound and secreted proteins from Echinococcus granulosus by signal sequence trap. International Journal for Parasitology, 2006, 36, 123-130.	3.1	8
35	A Context-Dependent Role for Î±v Integrins in Regulatory T Cell Accumulation at Sites of Inflammation. Frontiers in Immunology, 2018, 9, 264.	4.8	8
36	Conjugative transfer of ICESde3396 between three Î²-hemolytic streptococcal species. BMC Research Notes, 2014, 7, 521.	1.4	5

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37	Characterisation of the secreted apyrase family of Heligmosomoides polygyrus. International Journal for Parasitology, 2021, 51, 39-48.	3.1	5
38	A role for helminth parasites in achieving immunological tolerance in transplantation. Lancet, The, 2015, 385, S50.	13.7	4
39	Cloning and characterization of an orphan seven transmembrane receptor from Schistosoma mansoni. Parasitology, 2007, 134, 2001-2008.	1.5	3