

Nicholas C Smith

List of Publications by Year in descending order

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73
papers

3,588
citations

109321

35
h-index

138484

58
g-index

75
all docs

75
docs citations

75
times ranked

3029
citing authors

#	ARTICLE	IF	CITATIONS
1	A Selective Review of Advances in Coccidiosis Research. <i>Advances in Parasitology</i> , 2013, 83, 93-171.	3.2	194
2	Chasing the golden egg: vaccination against poultry coccidiosis. <i>Parasite Immunology</i> , 2010, 32, 590-598.	1.5	177
3	The immunobiology of the innate response to <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2009, 39, 23-39.	3.1	176
4	The coccidian oocyst: a tough nut to crack!. <i>Trends in Parasitology</i> , 2006, 22, 416-423.	3.3	130
5	P2X7 Receptor-Mediated Killing of an Intracellular Parasite, <i>Toxoplasma gondii</i> , by Human and Murine Macrophages. <i>Journal of Immunology</i> , 2010, 184, 7040-7046.	0.8	124
6	The Role of the P2X7 Receptor in Infectious Diseases. <i>PLoS Pathogens</i> , 2011, 7, e1002212.	4.7	121
7	An experimental genetically attenuated live vaccine to prevent transmission of <i>Toxoplasma gondii</i> by cats. <i>Scientific Reports</i> , 2019, 9, 1474.	3.3	112
8	Asexual expansion of <i>Toxoplasma gondii</i> merozoites is distinct from tachyzoites and entails expression of non-overlapping gene families to attach, invade, and replicate within feline enterocytes. <i>BMC Genomics</i> , 2015, 16, 66.	2.8	108
9	Oocyst wall formation and composition in coccidian parasites. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2009, 104, 281-289.	1.6	105
10	Heat Shock Protein 70 Is a Potential Virulence Factor in Murine <i>Toxoplasma</i> Infection Via Immunomodulation of Host NF- κ B and Nitric Oxide. <i>Journal of Immunology</i> , 2002, 169, 958-965.	0.8	101
11	<i>Eimeria maxima</i> gametocyte antigens: potential use in a subunit maternal vaccine against coccidiosis in chickens. <i>Vaccine</i> , 1995, 13, 347-354.	3.8	100
12	<i>Neospora caninum</i> : a cause of immune-mediated failure of pregnancy?. <i>Trends in Parasitology</i> , 2002, 18, 391-394.	3.3	95
13	Evidence for associations between the purinergic receptor P2X7 (P2RX7) and toxoplasmosis. <i>Genes and Immunity</i> , 2010, 11, 374-383.	4.1	95
14	Control of human toxoplasmosis. <i>International Journal for Parasitology</i> , 2021, 51, 95-121.	3.1	91
15	RNA Seq analysis of the <i>Eimeria tenella</i> gametocyte transcriptome reveals clues about the molecular basis for sexual reproduction and oocyst biogenesis. <i>BMC Genomics</i> , 2015, 16, 94.	2.8	88
16	Roles of Tyrosine-Rich Precursor Glycoproteins and Dityrosine- and 3,4-Dihydroxyphenylalanine-Mediated Protein Cross-Linking in Development of the Oocyst Wall in the Coccidian Parasite <i>Eimeria maxima</i> . <i>Eukaryotic Cell</i> , 2003, 2, 456-464.	3.4	85
17	The development of the macrogamete and oocyst wall in <i>Eimeria maxima</i> : immuno-light and electron microscopy. <i>International Journal for Parasitology</i> , 2003, 33, 1329-1340.	3.1	74
18	Maternal transmission of immunity to <i>Eimeria maxima</i> : enzyme-linked immunosorbent assay analysis of protective antibodies induced by infection. <i>Infection and Immunity</i> , 1994, 62, 1348-1357.	2.2	71

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19	Maternal transfer of antibodies induced by infection with <i>Eimeria maxima</i> partially protects chickens against challenge with <i>Eimeria tenella</i> . <i>Parasitology</i> , 1994, 109, 551-558.	1.5	68
20	Strategies for anti-coccidial prophylaxis. <i>Parasitology</i> , 2014, 141, 1379-1389.	1.5	64
21	RNA-Seq analysis during the life cycle of <i>Cryptosporidium parvum</i> reveals significant differential gene expression between proliferating stages in the intestine and infectious sporozoites. <i>International Journal for Parasitology</i> , 2018, 48, 413-422.	3.1	61
22	The role of host generated free radicals in helminth infections: <i>Nippostrongylus brasiliensis</i> and <i>Nematospiroides dubius</i> compared. <i>International Journal for Parasitology</i> , 1986, 16, 617-622.	3.1	60
23	Field Application of a Subunit Vaccine against an Enteric Protozoan Disease. <i>PLoS ONE</i> , 2008, 3, e3948.	2.5	60
24	Cationic amino acid transporters play key roles in the survival and transmission of apicomplexan parasites. <i>Nature Communications</i> , 2017, 8, 14455.	12.8	56
25	Characterisation of the antigenic and immunogenic properties of bacterially expressed, sexual stage antigens of the coccidian parasite, <i>Eimeria maxima</i> . <i>Vaccine</i> , 2004, 22, 4316-4325.	3.8	52
26	Sex and <i>Eimeria</i> : a molecular perspective. <i>Parasitology</i> , 2013, 140, 1701-1717.	1.5	50
27	Immunity to Asexual Blood Stages of <i>Plasmodium</i> : Is Resistance to Acute Malaria Adaptive or Innate?. <i>Parasitology Today</i> , 1998, 14, 364-369.	3.0	48
28	The NLRP3 Inflammasome Suppresses Protective Immunity to Gastrointestinal Helminth Infection. <i>Cell Reports</i> , 2018, 23, 1085-1098.	6.4	48
29	Possible roles for pyruvate: Ferredoxin oxidoreductase and thiol-dependent peroxidase and reductase activities in resistance to nitroheterocyclic drugs in <i>Giardia intestinalis</i> . <i>International Journal for Parasitology</i> , 1988, 18, 991-997.	3.1	46
30	Free radical generation during primary infections with <i>Nippostrongylus brasiliensis</i> . <i>Parasite Immunology</i> , 1989, 11, 147-160.	1.5	45
31	Non-archetypal Type II-like and atypical strains of <i>Toxoplasma gondii</i> infecting marsupials of Australia. <i>International Journal for Parasitology</i> , 2010, 40, 635-640.	3.1	44
32	Conservation of proteins involved in oocyst wall formation in <i>Eimeria maxima</i> , <i>Eimeria tenella</i> and <i>Eimeria acervulina</i> . <i>International Journal for Parasitology</i> , 2009, 39, 1063-1070.	3.1	42
33	Immunological Interactions between 2 Common Pathogens, Th1-Inducing Protozoan <i>Toxoplasma gondii</i> and the Th2-Inducing Helminth <i>Fasciola hepatica</i> . <i>PLoS ONE</i> , 2009, 4, e5692.	2.5	42
34	Cytokines, Nitric Oxide, Heat Shock Proteins and Virulence in <i>Toxoplasma</i> . <i>Parasitology Today</i> , 1999, 15, 418-422.	3.0	39
35	Biochemical characterisation of the 56 and 82 kDa immunodominant gametocyte antigens from <i>Eimeria maxima</i> . <i>International Journal for Parasitology</i> , 2002, 32, 805-816.	3.1	36
36	<i>Fasciola hepatica</i> : Free radical generation by peritoneal leukocytes in challenged rodents. <i>International Journal for Parasitology</i> , 1992, 22, 281-286.	3.1	35

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37	Cytokines, free radicals and resistance to Eimeria. Parasitology Today, 1992, 8, 422-426.	3.0	35
38	Dysregulation of the inflammatory response to the parasite, Toxoplasma gondii, in P2X7 receptor-deficient mice. International Journal for Parasitology, 2011, 41, 301-308.	3.1	35
39	Establishment of an in vitro chicken epithelial cell line model to investigate Eimeria tenella gamete development. Parasites and Vectors, 2018, 11, 44.	2.5	35
40	The effect of antioxidants on the rejection of Nippostrongylus brasiliensis. Parasite Immunology, 1989, 11, 161-167.	1.5	34
41	Functional genomics of gam56: characterisation of the role of a 56 kilodalton sexual stage antigen in oocyst wall formation in Eimeria maxima. International Journal for Parasitology, 2002, 32, 1727-1737.	3.1	32
42	Peroxidase catalysed cross-linking of an intrinsically unstructured protein via dityrosine bonds in the oocyst wall of the apicomplexan parasite, Eimeria maxima. International Journal for Parasitology, 2011, 41, 1157-1164.	3.1	31
43	Maternal transmission of immunity to Eimeria maxima: western blot analysis of protective antibodies induced by infection. Infection and Immunity, 1994, 62, 4811-4817.	2.2	31
44	Stage-specific expression of protease genes in the apicomplexan parasite, Eimeria tenella. BMC Genomics, 2012, 13, 685.	2.8	30
45	Lack of a Functioning P2X7 Receptor Leads to Increased Susceptibility to Toxoplasmic Ileitis. PLoS ONE, 2015, 10, e0129048.	2.5	27
46	Cloning and characterization of the 82 kDa tyrosine-rich sexual stage glycoprotein, GAM82, and its role in oocyst wall formation in the apicomplexan parasite, Eimeria maxima. Gene, 2003, 307, 201-212.	2.2	26
47	The role of free oxygen radicals in the expulsion of primary infections of Nippostrongylus brasiliensis. Zeitschrift für Parasitenkunde (Berlin, Germany), 1989, 75, 423-438.	0.8	25
48	Eimeripain, a Cathepsin B-Like Cysteine Protease, Expressed throughout Sporulation of the Apicomplexan Parasite Eimeria tenella. PLoS ONE, 2012, 7, e31914.	2.5	24
49	Molecular characterisation of EmTFP250: a novel member of the TRAP protein family in Eimeria maxima. International Journal for Parasitology, 2003, 33, 691-702.	3.1	23
50	Concepts and strategies for anti-parasite immunoprophylaxis and therapy. International Journal for Parasitology, 1992, 22, 1047-1082.	3.1	21
51	Virus-like particles in Eimeria nieschulzi are associated with multiple RNA segments. Molecular and Biochemical Parasitology, 1994, 63, 275-282.	1.1	21
52	Use of IgG- and IgM-specific ELISAs for the assessment of exposure status of chickens to Eimeria species. Veterinary Parasitology, 1993, 51, 13-25.	1.8	19
53	The merozoite-specific protein, TgGRA11B, identified as a component of the Toxoplasma gondii parasitophorous vacuole in a tachyzoite expression model. International Journal for Parasitology, 2017, 47, 597-600.	3.1	17
54	Glycosphingolipid analysis in a naturally occurring ovine model of acute neuronopathic Gaucher disease. Neurobiology of Disease, 2016, 91, 143-154.	4.4	16

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55	<i>Eimeria maxima</i> : ELISA and Western blot analyses of protective sera. <i>Parasite Immunology</i> , 1994, 16, 377-383.	1.5	15
56	The spleen, IgG antibody subsets and immunity to <i>Plasmodium berghei</i> in rats. <i>Immunology and Cell Biology</i> , 1997, 75, 318-323.	2.3	15
57	The Glycosylation Pathway of <i>Eimeria tenella</i> Is Upregulated during Gametocyte Development and May Play a Role in Oocyst Wall Formation. <i>Eukaryotic Cell</i> , 2010, 9, 127-135.	3.4	15
58	The production of a 70 kDa heat shock protein by <i>Toxoplasma gondii</i> RH strain in immunocompromised mice. <i>International Journal for Parasitology</i> , 2000, 30, 1467-1473.	3.1	13
59	<i>Eimeria maxima</i> TRAP family protein EmTFP250: subcellular localisation and induction of immune responses by immunisation with a recombinant C-terminal derivative. <i>International Journal for Parasitology</i> , 2004, 34, 861-872.	3.1	13
60	Free radical generation and the course of primary infection with <i>Nippostrongylus brasiliensis</i> in congenitally athymic (nude) rats. <i>Parasite Immunology</i> , 1991, 13, 571-581.	1.5	12
61	Discovery of a tyrosine-rich sporocyst wall protein in <i>Eimeria tenella</i> . <i>Parasites and Vectors</i> , 2016, 9, 124.	2.5	12
62	Assessment and Management of Depression and Anxiety in Children and Adolescents with Epilepsy. <i>Behavioural Neurology</i> , 2019, 2019, 1-4.	2.1	11
63	Oxygen derived free radicals and the course of <i>Eimeria vermiformis</i> infection in inbred strains of mice. <i>Parasite Immunology</i> , 1990, 12, 623-631.	1.5	9
64	Recent achievements and doors opened for coccidian parasite research and development through transcriptomics of enteric sexual stages. <i>Molecular and Biochemical Parasitology</i> , 2021, 243, 111373.	1.1	9
65	Substrate-mediated regulation of the arginine transporter of <i>Toxoplasma gondii</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009816.	4.7	9
66	Treatment of mice with S4B6 IL-2 complex prevents lethal toxoplasmosis via IL-12- and IL-18-dependent interferon-gamma production by non-CD4 immune cells. <i>Scientific Reports</i> , 2020, 10, 13115.	3.3	7
67	The effect of BCG, zymosan and <i>Coxiella burnetii</i> extract on <i>Eimeria</i> infections. <i>Immunology and Cell Biology</i> , 1996, 74, 346-348.	2.3	5
68	A role for protein kinase C in the production of free oxygen radicals in response to <i>Nippostrongylus brasiliensis</i> . <i>Zeitschrift für Parasitenkunde (Berlin, Germany)</i> , 1991, 77, 521-525.	0.8	4
69	Detection of metabolic enzymes of <i>Eimeria</i> by ampholine-polyacrylamide gel isoelectric focusing. <i>Zeitschrift für Parasitenkunde (Berlin, Germany)</i> , 1994, 80, 165-169.	0.8	4
70	Editorial: Get Over the Gut: Apicomplexan Parasite Interaction, Survival and Stage Progression in Vertebrate and Invertebrate Digestive Tracts. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 680555.	3.9	3
71	Association of length of hospital stay with delay to surgical fixation of hip fracture. <i>Canadian Journal of Surgery</i> , 2022, 65, E188-E192.	1.2	2
72	<i>Nanos gigantium</i> humeris insidentes: old papers informing new research into <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2021, 51, 1193-1193.	3.1	1

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73	An Australian network to support the understanding and control of parasites. Trends in Parasitology, 2006, 22, 97-99.	3.3	0