John M Hawdon

List of Publications by Year
in descending order

101 papers	4,478 citations	87888 38 h-index	110387 64 g-index
103 all docs	103 docs citations	103 times ranked	3442 citing authors

#	Article	IF	Citations
1	Comparative genomics of the major parasitic worms. Nature Genetics, 2019, 51, 163-174.	21.4	377
2	Cloning and Characterization of Ancylostoma-secreted Protein. Journal of Biological Chemistry, 1996, 271, 6672-6678.	3.4	244
3	Ancylostoma secreted protein 2: cloning and characterization of a second member of a family of nematode secreted proteins from Ancylostoma caninum. Molecular and Biochemical Parasitology, 1999, 99, 149-165.	1.1	170
4	Genome of the human hookworm Necator americanus. Nature Genetics, 2014, 46, 261-269.	21.4	166
5	Emerging Patterns of Hookworm Infection: Influence of Aging on the Intensity ofNecatorInfection in Hainan Province, Peopleâ€™s Republic of China. Clinical Infectious Diseases, 2002, 35, 1336-1344.	5.8	142
6	Progress in the development of a recombinant vaccine for human hookworm disease: The Human Hookworm Vaccine Initiative. International Journal for Parasitology, 2003, 33, 1245-1258.	3.1	137
7	Hookworm larval infectivity, arrest and amphiparatenesis: the Caenorhabditis elegans daf-c paradigm. Parasitology Today, 1993, 9, 23-26.	3.0	127
8	Cloning, Yeast Expression, Isolation, and Vaccine Testing of RecombinantAncylostomaâ€Secreted Protein (ASP)â€“1 and ASPâ€2 fromAncylostoma ceylanicum. Journal of Infectious Diseases, 2004, 189, 919-929.	4.0	119
9	Identification of the nuclear receptor DAF-12 as a therapeutic target in parasitic nematodes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9138-9143.	7.1	117
10	A common muscarinic pathway for diapause recovery in the distantly related nematode species Caenorhabditis elegans and Ancylostoma caninum. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 460-465.	7.1	107
11	Vaccination of Dogs with a Recombinant Cysteine Protease from the Intestine of Canine Hookworms Diminishes the Fecundity and Growth of Worms. Journal of Infectious Diseases, 2004, 189, 1952-1961.	4.0	98
12	Metalloproteases of infective Ancylostoma hookworm larvae and their possible functions in tissue invasion and ecdysis. Infection and Immunity, 1990, 58, 3883-3892.	2.2	98
13	Biochemical Characterization and Vaccine Potential of a Heme-Binding Glutathione Transferase from the Adult Hookworm Ancylostoma caninum. Infection and Immunity, 2005, 73, 6903-6911.	2.2	97
14	Molecular characterisation of the Ancylostoma-secreted protein family from the adult stage of Ancylostoma caninum. International Journal for Parasitology, 2003, 33, 897-907.	3.1	93
15	Hookworm: developmental biology of the infectious process. Current Opinion in Genetics and Development, 1996, 6, 618-623.	3.3	91
16	Soil-transmitted helminthiases: implications of climate change and human behavior. Trends in Parasitology, 2010, 26, 574-581.	3.3	86
17	A developmentally regulated metalloprotease secreted by host-stimulated Ancylostoma caninum third-stage infective larvae is a member of the astacin family of proteases. Molecular and Biochemical Parasitology, 2002, 120, 291-296.	1.1	82
18	Ancylostoma caninum: Metalloprotease Release Coincides with Activation of Infective Larvae in Vitro. Experimental Parasitology, 1995, 80, 205-211.	1.2	76

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19	Serum-Stimulated Feeding In vitro by Third-Stage Infective Larvae of the Canine Hookworm Ancylostoma caninum. Journal of Parasitology, 1990, 76, 394.	0.7	69
20	Hyaluronidases Of The Gastrointestinal Invasive Nematodes Ancylostoma Caninum And Anisakis Simplex: Possible Functions In The Pathogenesis Of Human Zoonoses. Journal of Infectious Diseases, 1994, 170, 918-926.	4.0	67
21	Ac-FAR-1, a 20 kDa fatty acid- and retinol-binding protein secreted by adult Ancylostoma caninum hookworms: gene transcription pattern, ligand binding properties and structural characterisation. Molecular and Biochemical Parasitology, 2003, 126, 63-71.	1.1	67
22	Vaccination with Alum-Precipitated Recombinant Ancylostoma-Secreted Protein 1 Protects Mice against Challenge Infections with Infective Hookworm (Ancylostoma caninum) Larvae. Journal of Infectious Diseases, 1996, 174, 1380-1383.	4.0	65
23	Sertraline, Paroxetine, and Chlorpromazine Are Rapidly Acting Anthelmintic Drugs Capable of Clinical Repurposing. Scientific Reports, 2018, 8, 975.	3.3	64
24	Isolation and characterization of a naturally occurring multidrug-resistant strain of the canine hookworm, Ancylostoma caninum. International Journal for Parasitology, 2019, 49, 397-406.	3.1	61
25	Experimental approaches to the development of a recombinant hookworm vaccine. Immunological Reviews, 1999, 171, 163-171.	6.0	59
26	Genetic structure of populations of the human hookworm, Necator americanus, in China. Molecular Ecology, 2001, 10, 1433-1437.	3.9	56
27	Decline in protease activities with age in the nematode caenorhabditis elegans. Mechanisms of Ageing and Development, 1988, 45, 191-201.	4.6	52
28	Ancylostoma secreted protein 1 (ASP-1) homologues in human hookworms. Molecular and Biochemical Parasitology, 1999, 98, 143-149.	1.1	52
29	Characterizing Ancylostoma caninum transcriptome and exploring nematode parasitic adaptation. BMC Genomics, 2010, 11, 307.	2.8	48
30	The second messenger cyclic GMP mediates activation in Ancylostoma caninum infective larvae. International Journal for Parasitology, 2003, 33, 787-793.	3.1	47
31	Effect of Vaccination with a Recombinant Fusion Protein Encoding an Astacinlike Metalloprotease (MTP-1) Secreted by Host-Stimulated Ancylostoma caninum Third-Stage Infective Larvae. Journal of Parasitology, 2003, 89, 853-855.	0.7	47
32	Investigating hookworm genomes by comparative analysis of two Ancylostoma species. BMC Genomics, 2005, 6, 58.	2.8	47
33	Ancylostoma caninum anticoagulant peptide: cloning by PCR and expression of soluble, active protein in E. coli. Molecular and Biochemical Parasitology, 1996, 80, 113-117.	1.1	44
34	Hookworm burden reductions in BALB/c mice vaccinated with recombinant Ancylostoma secreted proteins (ASPs) from Ancylostoma duodenale, Ancylostoma caninum and Necator americanus. Vaccine, 2000, 18, 1096-1102.	3.8	44
35	Molecular cloning and purification of Ac-TMP, a developmentally regulated putative tissue inhibitor of metalloprotease released in relative abundance by adult Ancylostoma hookworms.. American Journal of Tropical Medicine and Hygiene, 2002, 66, 238-244.	1.4	44
36	Phosphoinositide-3-OH-kinase inhibitor LY294002 prevents activation of Ancylostoma caninum and Ancylostoma ceylanicum third-stage infective larvae. International Journal for Parasitology, 2004, 34, 909-914.	3.1	43

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37	Molecular Cloning of a Novel Multidomain Kunitz-Type Proteinase Inhibitor From the Hookworm Ancylostoma caninum. Journal of Parasitology, 2003, 89, 402-407.	0.7	42
38	Cloning and characterization of a cDNA encoding the catalytic subunit of a cAMP-dependent protein kinase from Ancylostoma caninum third-stage infective larvae. Molecular and Biochemical Parasitology, 1995, 69, 127-130.	1.1	41
39	Molecular Approaches to Vaccinating against Hookworm Disease. Pediatric Research, 1996, 40, 515-521.	2.3	38
40	Epidemiology of Necator Americanus Hookworm Infections in Xiulongkan Village, Hainan Province, China: High Prevalence and Intensity Among Middle-Aged and Elderly Residents. Journal of Parasitology, 2001, 87, 739-743.	0.7	38
41	Controlled Human Hookworm Infection: Accelerating Human Hookworm Vaccine Development. Open Forum Infectious Diseases, 2018, 5, ofy083.	0.9	37
42	Species-Specific Identification of Human Hookworms by PCR of the Mitochondrial Cytochrome Oxidase I Gene. Journal of Parasitology, 2001, 87, 1227-1229.	0.7	36
43	The canine hookworm genome: Analysis and classification of Ancylostoma caninum survey sequences. Molecular and Biochemical Parasitology, 2008, 157, 187-192.	1.1	36
44	Identification of a DAF-7 ortholog from the hookworm Ancylostoma caninum. International Journal for Parasitology, 2005, 35, 1489-1498.	3.1	34
45	Controlling Soil-Transmitted Helminths: Time to Think Inside the Box?. Journal of Parasitology, 2014, 100, 166-188.	0.7	33
46	Ac-SAA-1, an immunodominant 16 kDa surface-associated antigen of infective larvae and adults of Ancylostoma caninum. International Journal for Parasitology, 2004, 34, 1037-1045.	3.1	32
47	Structural Conservation of Ligand Binding Reveals a Bile Acid-like Signaling Pathway in Nematodes. Journal of Biological Chemistry, 2012, 287, 4894-4903.	3.4	32
48	Observations on the feeding behaviour of parasitic third-stage hookworm larvae. Parasitology, 1993, 106, 163-169.	1.5	30
49	Differentiation between the Human Hookworms Ancylostoma duodenale and Necator americanus Using PCR-RFLP. Journal of Parasitology, 1996, 82, 642.	0.7	30
50	EFFECT OF VACCINATIONS WITH RECOMBINANT FUSION PROTEINS ON ANCYLOSTOMA CANINUM HABITAT SELECTION IN THE CANINE INTESTINE. Journal of Parasitology, 2002, 88, 684-690.	0.7	30
51	Epidemiology of human hookworm infections among adult villagers in Hejiang and Santai Counties, Sichuan Province, China. Acta Tropica, 1999, 73, 243-249.	2.0	28
52	Transformational Principles for NEON Sampling of Mammalian Parasites and Pathogens: A Response to Springer and Colleagues. BioScience, 2016, 66, 917-919.	4.9	28
53	Hookworms in the Americas: An alternative to trans-Pacific contact. Parasitology Today, 1996, 12, 72-74.	3.0	27
54	RNAi-mediated gene knockdown by microinjection in the model entomopathogenic nematode Heterorhabditis bacteriophora. Parasites and Vectors, 2016, 9, 160.	2.5	27

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55	Cloning and characterisation of an aspartyl protease inhibitor (API-1) from Ancylostoma hookworms. International Journal for Parasitology, 2005, 35, 303-313.	3.1	26
56	Microfluidic platform for electrophysiological recordings from host-stage hookworm and Ascaris suum larvae: A new tool for anthelmintic research. International Journal for Parasitology: Drugs and Drug Resistance, 2016, 6, 314-328.	3.4	25
57	Molecular cloning and DNA binding characterization of DAF-16 orthologs from Ancylostoma hookworms. International Journal for Parasitology, 2009, 39, 407-415.	3.1	24
58	Resumption of Feeding In vitro by Hookworm Third-Stage Larvae: A Comparative Study. Journal of Parasitology, 1992, 78, 1036.	0.7	22
59	Epidemiology of hookworm infection in Itagua, Paraguay: a cross sectional study. Memorias Do Instituto Oswaldo Cruz, 1999, 94, 583-586.	1.6	22
60	Ancylostoma caninum: Reduced glutathione stimulates feeding by third-stage infective larvae. Experimental Parasitology, 1992, 75, 40-46.	1.2	20
61	Heterorhabditis bacteriophora Excreted-Secreted Products Enable Infection by Photorhabdus luminescens Through Suppression of the Imd Pathway. Frontiers in Immunology, 2019, 10, 2372.	4.8	20
62	Identification of candidate infection genes from the model entomopathogenic nematode Heterorhabditis bacteriophora. BMC Genomics, 2017, 18, 8.	2.8	19
63	Albumin and a Dialyzable Serum Factor Stimulate Feeding In vitro by Third-Stage Larvae of the Canine Hookworm Ancylostoma caninum. Journal of Parasitology, 1991, 77, 587.	0.7	18
64	Variation between ASP-1 Molecules fromAncylostoma caninumin China and the United States. Journal of Parasitology, 2000, 86, 181-185.	0.7	18
65	Expression profile of heat shock response factors during hookworm larval activation and parasitic development. Molecular and Biochemical Parasitology, 2015, 202, 1-14.	1.1	18
66	Improving eukaryotic genome annotation using single molecule mRNA sequencing. BMC Genomics, 2018, 19, 172.	2.8	17
67	Identification of Hookworm DAF-16/FOXO Response Elements and Direct Gene Targets. PLoS ONE, 2010, 5, e12289.	2.5	16
68	Transgenic C. elegans Dauer Larvae Expressing Hookworm Phospho Null DAF-16/FoxO Exit Dauer. PLoS ONE, 2011, 6, e25996.	2.5	16
69	Natural History of Primary Canine Hookworm Infections After Three Different Oral Doses of Third-Stage Infective Larvae of Ancylostoma caninum. Comparative Parasitology, 2002, 69, 72-80.	0.4	15
70	Ancylostoma caninum: Glutathione Stimulates Feeding in Third-Stage Larvae by a Sulfhydryl-Independent Mechanism. Experimental Parasitology, 1993, 77, 489-491.	1.2	14
71	Interaction of hookworm 14-3-3 with the forkhead transcription factor DAF-16 requires intact Akt phosphorylation sites. Parasites and Vectors, 2009, 2, 21.	2.5	14
72	A putative UDP-glycosyltransferase from Heterorhabditis bacteriophora suppresses antimicrobial peptide gene expression and factors related to ecdysone signaling. Scientific Reports, 2020, 10, 12312.	3.3	14

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73	Efficacy of an ivermectin/pyrantel pamoate chewable formulation against the canine hookworms, Uncinaria stenocephala and Ancylostoma caninum. Veterinary Parasitology, 1992, 41, 121-125.	1.8	11
74	A putative lysozyme and serine carboxypeptidase from Heterorhabditis bacteriophora show differential virulence capacities in Drosophila melanogaster. Developmental and Comparative Immunology, 2021, 114, 103820.	2.3	10
75	Regulation of proteinase levels in the nematode Caenorhabditis elegans. Preferential depression by acute or chronic starvation. Biochemical Journal, 1989, 264, 161-165.	3.7	9
76	Two potential hookworm DAF-16 target genes, SNR-3 and LPP-1: gene structure, expression profile, and implications of a cis-regulatory element in the regulation of gene expression. Parasites and Vectors, 2015, 8, 14.	2.5	9
77	Transcriptomic analysis of hookworm Ancylostoma ceylanicum life cycle stages reveals changes in G-protein coupled receptor diversity associated with the onset of parasitism. International Journal for Parasitology, 2020, 50, 603-610.	3.1	9
78	Characterisation of hookworm heat shock factor binding protein (HSB-1) during heat shock and larval activation. International Journal for Parasitology, 2011, 41, 533-543.	3.1	8
79	Comparison of mitochondrial cytochrome oxidase 1 DNA sequences from Necator americanus hookworms maintained for 100 generations in golden hamsters (Mesocricetus auratus) and hookworms from natural human infections. Acta Tropica, 2004, 92, 71-75.	2.0	7
80	Ancylostoma ceylanicum infective third-stage larvae are activated by co-culture with HT-29-MTX intestinal epithelial cells. Parasites and Vectors, 2017, 10, 606.	2.5	7
81	NemChR-DB: a database of parasitic nematode chemosensory G-protein coupled receptors. International Journal for Parasitology, 2021, 51, 333-337.	3.1	7
82	Ancylostoma caninum and Other Canine Hookworms. Parasitology Research Monographs, 2021, , 147-193.	0.3	7
83	Plant Vermicides of Haitian Vodou Show In Vitro Activity Against Larval Hookworm. Journal of Parasitology, 2008, 94, 1155-1160.	0.7	6
84	Refined ab initio gene predictions of Heterorhabditis bacteriophora using RNA-seq. International Journal for Parasitology, 2018, 48, 585-590.	3.1	6
85	Secreted virulence factors from Heterorhabditis bacteriophora highlight its utility as a model parasite among Clade V nematodes. International Journal for Parasitology, 2021, 51, 321-325.	3.1	6
86	Vaccines for hookworm infection. Pediatric Infectious Disease Journal, 1997, 16, 935-940.	2.0	6
87	RNA and protein synthesis is required for Ancylostoma caninum larval activation. Veterinary Parasitology, 2011, 179, 137-143.	1.8	5
88	Controlled Infection of Humans with the Hookworm Parasite Necator americanus to Accelerate Vaccine Development. Current Topics in Microbiology and Immunology, 2021, , 1.	1.1	4
89	Effect of Vaccinations with Recombinant Fusion Proteins on Ancylostoma caninum Habitat Selection in the Canine Intestine. Journal of Parasitology, 2002, 88, 684.	0.7	3
90	Variation between ASP-1 Molecules from Ancylostoma caninum in China and the United States. Journal of Parasitology, 2000, 86, 181.	0.7	2

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91	INTRODUCTION OF GERHARD A. SCHAD AS THE RECIPIENT OF THE CLARK P. READ MENTOR AWARD. Journal of Parasitology, 2005, 91, 1253-1254.	0.7	2
92	Presidential Address: Hookworm and the ASPâ€"A Presidential Perspective. Journal of Parasitology, 2020, 105, 933.	0.7	2
93	Gerhard A. Schad. Journal of Parasitology, 2009, 95, 1247-1248.	0.7	1
94	Acceptance of the 2016 Henry Baldwin Ward Medal â€" A Long and Winding Road to a Diet of Worms. Journal of Parasitology, 2016, 102, 579-586.	0.7	1
95	Teaching Parasitology Lab Remotely Using Livestreaming. American Biology Teacher, 2022, 84, 312-314.	0.2	1
96	Chemogenomic approach to identifying nematode chemoreceptor drug targets in the entomopathogenic nematode Heterorhabditis bacteriophora. Computational Biology and Chemistry, 2021, 92, 107464.	2.3	0
97	Transcriptional Fusions of Putative Gâ€protein Coupledâ€Receptors from Hookworm (Ancylostoma) Tj ETQq1 1 0.784314 rgBT /Ove	0.5	0
98	Introduction of James â€œSparkyâ€•Lok, Recipient of the 2018 Bueding and Von Brand Lectureship Award. Journal of Parasitology, 2018, 104, 584-585.	0.7	0
99	Translational Fusion of a Gâ€protein Coupledâ€Receptor from the Hookworm Ancylostoma ceylanicum Expressed in Caenorhabditis elegans. FASEB Journal, 2019, 33, 649.8.	0.5	0
100	Presidential Address: Hookworm and the ASP-A Presidential Perspective. Journal of Parasitology, 2019, 105, 933-941.	0.7	0
101	Culturing and Genetically Manipulating Entomopathogenic Nematodes. Journal of Visualized Experiments, 2022, , .	0.3	0