

Fiona M Tomley

List of Publications by Year in descending order

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papers

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71004

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121
all docs

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docs citations

121
times ranked

3822
citing authors

#	ARTICLE	IF	CITATIONS
1	Securing poultry production from the ever-present <i>Eimeria</i> challenge. <i>Trends in Parasitology</i> , 2014, 30, 12-19.	1.5	321
2	The Biology of Avian <i>Eimeria</i> with an Emphasis on their Control by Vaccination. <i>Advances in Parasitology</i> , 2005, 60, 285-330.	1.4	309
3	Re-calculating the cost of coccidiosis in chickens. <i>Veterinary Research</i> , 2020, 51, 115.	1.1	289
4	A Selective Review of Advances in Coccidiosis Research. <i>Advances in Parasitology</i> , 2013, 83, 93-171.	1.4	194
5	Microneme Proteins in Apicomplexans. <i>Sub-Cellular Biochemistry</i> , 2008, 47, 33-45.	1.0	189
6	Mix and match modules: structure and function of microneme proteins in apicomplexan parasites. <i>Trends in Parasitology</i> , 2001, 17, 81-88.	1.5	185
7	Genomic analysis of the causative agents of coccidiosis in domestic chickens. <i>Genome Research</i> , 2014, 24, 1676-1685.	2.4	176
8	Livestock infectious diseases and zoonoses. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 2637-2642.	1.8	163
9	Microbial diversity and community composition of caecal microbiota in commercial and indigenous Indian chickens determined using 16s rDNA amplicon sequencing. <i>Microbiome</i> , 2018, 6, 115.	4.9	138
10	A role for coccidian cGMP-dependent protein kinase in motility and invasion. <i>International Journal for Parasitology</i> , 2004, 34, 369-380.	1.3	131
11	Sequence of the gene encoding an immunodominant microneme protein of <i>Eimeria tenella</i> . <i>Molecular and Biochemical Parasitology</i> , 1991, 49, 277-288.	0.5	124
12	Molecular cloning and characterization of a novel acidic microneme protein (Etmic-2) from the apicomplexan protozoan parasite, <i>Eimeria tenella</i> . <i>Molecular and Biochemical Parasitology</i> , 1996, 79, 195-206.	0.5	114
13	TgM2AP participates in <i>Toxoplasma gondii</i> invasion of host cells and is tightly associated with the adhesive protein TgMIC2. <i>Molecular Microbiology</i> , 2001, 41, 537-547.	1.2	110
14	The proteome of <i>Toxoplasma gondii</i> : integration with the genome provides novel insights into gene expression and annotation. <i>Genome Biology</i> , 2008, 9, R116.	13.9	109
15	Effects of <i>Eimeria tenella</i> infection on chicken caecal microbiome diversity, exploring variation associated with severity of pathology. <i>PLoS ONE</i> , 2017, 12, e0184890.	1.1	109
16	Development of a diagnostic PCR assay for the detection and discrimination of four pathogenic <i>Eimeria</i> species of the chicken. <i>Avian Pathology</i> , 1998, 27, 490-497.	0.8	105
17	The <i>Eimeria</i> genome projects: a sequence of events. <i>Trends in Parasitology</i> , 2004, 20, 199-201.	1.5	103
18	Population, genetic, and antigenic diversity of the apicomplexan <i>Eimeria tenella</i> and their relevance to vaccine development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5343-50.	3.3	95

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19	MORN1 Has a Conserved Role in Asexual and Sexual Development across the Apicomplexa. <i>Eukaryotic Cell</i> , 2008, 7, 698-711.	3.4	94
20	Proteomic comparison of four <i>Eimeria tenella</i> life-cycle stages: Unsporulated oocyst, sporulated oocyst, sporozoite and second-generation merozoite. <i>Proteomics</i> , 2009, 9, 4566-4576.	1.3	91
21	Techniques for Isolation and Characterization of Apical Organelles from <i>Eimeria tenella</i> Sporozoites. <i>Methods</i> , 1997, 13, 171-176.	1.9	90
22	PCR identification of chicken <i>Eimeria</i> : A simplified read-out. <i>Avian Pathology</i> , 1999, 28, 89-93.	0.8	86
23	Induction of secretion and surface capping of microneme proteins in <i>Eimeria tenella</i> . <i>Molecular and Biochemical Parasitology</i> , 2000, 110, 311-321.	0.5	81
24	Determining the protein repertoire of <i>Cryptosporidium parvum</i> sporozoites. <i>Proteomics</i> , 2008, 8, 1398-1414.	1.3	74
25	Poultry Coccidiosis: Design and Interpretation of Vaccine Studies. <i>Frontiers in Veterinary Science</i> , 2020, 7, 101.	0.9	72
26	<i>Eimeria</i> species parasites as novel vaccine delivery vectors: Anti- <i>Campylobacter jejuni</i> protective immunity induced by <i>Eimeria tenella</i> -delivered CjaA. <i>Vaccine</i> , 2012, 30, 2683-2688.	1.7	71
27	Recombinant anticoccidial vaccines - a cup half full?. <i>Infection, Genetics and Evolution</i> , 2017, 55, 358-365.	1.0	69
28	<i>Eimeria tenella</i> sporozoites and merozoites differentially express glycosylphosphatidylinositol-anchored variant surface proteins. <i>Molecular and Biochemical Parasitology</i> , 2004, 135, 123-132.	0.5	67
29	Cryptic <i>Eimeria</i> genotypes are common across the southern but not northern hemisphere. <i>International Journal for Parasitology</i> , 2016, 46, 537-544.	1.3	66
30	Characterisation of <i>Plasmodium</i> invasive organelles; an ookinete microneme proteome. <i>Proteomics</i> , 2009, 9, 1142-1151.	1.3	65
31	EtMIC4: a microneme protein from <i>Eimeria tenella</i> that contains tandem arrays of epidermal growth factor-like repeats and thrombospondin type-I repeats. <i>International Journal for Parasitology</i> , 2001, 31, 1303-1310.	1.3	64
32	A toolbox facilitating stable transfection of <i>Eimeria</i> species. <i>Molecular and Biochemical Parasitology</i> , 2008, 162, 77-86.	0.5	64
33	Stable transfection of <i>Eimeria tenella</i> : Constitutive expression of the YFP-YFP molecule throughout the life cycle. <i>International Journal for Parasitology</i> , 2009, 39, 109-117.	1.3	63
34	Identification by a random sequencing strategy of the fowlpoxvirus DNA polymerase gene, its nucleotide sequence and comparison with other viral DNA polymerases. <i>Nucleic Acids Research</i> , 1987, 15, 6563-6573.	6.5	61
35	A microneme protein from <i>Eimeria tenella</i> with homology to the Apple domains of coagulation factor XI and plasma pre-kallikrein. <i>Molecular and Biochemical Parasitology</i> , 2000, 107, 91-102.	0.5	61
36	The Role of Sialyl Glycan Recognition in Host Tissue Tropism of the Avian Parasite <i>Eimeria tenella</i> . <i>PLoS Pathogens</i> , 2011, 7, e1002296.	2.1	58

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37	Understanding the biology and control of the poultry red mite <i>Dermanyssus gallinae</i> : a review. <i>Avian Pathology</i> , 2015, 44, 143-153.	0.8	57
38	An optimised protocol for molecular identification of <i>Eimeria</i> from chickens. <i>Veterinary Parasitology</i> , 2014, 199, 24-31.	0.7	56
39	Analysis of the function of IL-10 in chickens using specific neutralising antibodies and a sensitive capture ELISA. <i>Developmental and Comparative Immunology</i> , 2016, 63, 206-212.	1.0	52
40	Transient expression of β -galactosidase in differentiating sporozoites of <i>Eimeria tenella</i> . <i>Molecular and Biochemical Parasitology</i> , 1998, 97, 21-31.	0.5	50
41	Mapping and expression of microneme genes in <i>Eimeria tenella</i> . <i>International Journal for Parasitology</i> , 2000, 30, 1493-1499.	1.3	49
42	Sequencing and analysis of chromosome 1 of <i>Eimeria tenella</i> reveals a unique segmental organization. <i>Genome Research</i> , 2007, 17, 311-319.	2.4	49
43	Are <i>Eimeria</i> Genetically Diverse, and Does It Matter?. <i>Trends in Parasitology</i> , 2017, 33, 231-241.	1.5	48
44	The rhoptry proteome of <i>Eimeria tenella</i> sporozoites. <i>International Journal for Parasitology</i> , 2013, 43, 181-188.	1.3	46
45	Development of cross-protective <i>Eimeria</i> -vectored vaccines based on apical membrane antigens. <i>International Journal for Parasitology</i> , 2018, 48, 505-518.	1.3	46
46	Life cycle stages, specific organelles and invasion mechanisms of <i>Eimeria</i> species. <i>Parasitology</i> , 2020, 147, 263-278.	0.7	45
47	Regions of an <i>Eimeria tenella</i> antigen contain sequences which are conserved in circumsporozoite proteins from <i>Plasmodium</i> spp. and which are related to the thrombospondin gene family. <i>Molecular and Biochemical Parasitology</i> , 1990, 41, 269-279.	0.5	42
48	Trans-genera reconstitution and complementation of an adhesion complex in <i>Toxoplasma gondii</i> . <i>Cellular Microbiology</i> , 2004, 6, 771-782.	1.1	42
49	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.	1.3	42
50	The molecular basis for the distinct host and tissue tropisms of coccidian parasites. <i>Molecular and Biochemical Parasitology</i> , 2012, 186, 1-10.	0.5	42
51	Phenotypic and genetic variation in the response of chickens to <i>Eimeria tenella</i> induced coccidiosis. <i>Genetics Selection Evolution</i> , 2018, 50, 63.	1.2	41
52	Defining the protein repertoire of microneme secretory organelles in the apicomplexan parasite <i>Eimeria tenella</i> . <i>Proteomics</i> , 2003, 3, 1553-1561.	1.3	39
53	Enzymes of type II fatty acid synthesis and apicoplast differentiation and division in <i>Eimeria tenella</i> . <i>International Journal for Parasitology</i> , 2007, 37, 33-51.	1.3	39
54	Viral proteins expressed in the protozoan parasite <i>Eimeria tenella</i> are detected by the chicken immune system. <i>Parasites and Vectors</i> , 2016, 9, 463.	1.0	39

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55	A survey of genes in <i>Eimeria tenella</i> merozoites by EST sequencing1Note: Nucleotide sequence data reported in this paper are available in the GenBank, EMBL and DDBJ databases under the accession numbers AI676260 through AI676754.1. International Journal for Parasitology, 1999, 29, 1885-1892.	1.3	37
56	Immunogenic <i>Eimeria tenella</i> Glycosylphosphatidylinositol-Anchored Surface Antigens (SAGs) Induce Inflammatory Responses in Avian Macrophages. PLoS ONE, 2011, 6, e25233.	1.1	37
57	<i>Plasmodium</i> male development gene-1 (<i>mdv-1</i>) is important for female sexual development and identifies a polarised plasma membrane during zygote development. International Journal for Parasitology, 2009, 39, 755-761.	1.3	36
58	Proteomic analysis of <i>Plasmodium</i> in the mosquito: progress and pitfalls. Parasitology, 2012, 139, 1131-1145.	0.7	35
59	Differential localisation of an <i>Eimeria tenella</i> aspartyl proteinase during the infection process. International Journal for Parasitology, 2000, 30, 1099-1107.	1.3	33
60	Domains of invasion organelle proteins from apicomplexan parasites are homologous with the Apple domains of blood coagulation factor XI and plasma pre-kallikrein and are members of the PAN module superfamily. FEBS Letters, 2001, 497, 31-38.	1.3	33
61	Comparative EST analyses provide insights into gene expression in two asexual developmental stages of <i>Eimeria tenella</i> . Experimental Parasitology, 2002, 101, 168-173.	0.5	33
62	Characterization of rhoptry proteins of <i>Eimeria tenella</i> sporozoites: antigenic diversity of rhoptry epitopes within species of the genus <i>Eimeria</i> and among three asexual generations of a single species, <i>E. tenella</i> . Infection and Immunity, 1994, 62, 4656-4658.	1.0	33
63	High-pressure freezing in the study of animal pathogens. Journal of Microscopy, 2003, 212, 62-70.	0.8	32
64	Spotlight on avian pathology: red mite, a serious emergent problem in layer hens. Avian Pathology, 2018, 47, 533-535.	0.8	32
65	Reverse transcriptase activity and particles of retroviral density in cultured canine lymphosarcoma supernatants. British Journal of Cancer, 1983, 47, 277-284.	2.9	31
66	<i>EtCRK2</i> , a cyclin-dependent kinase gene expressed during the sexual and asexual phases of the <i>Eimeria tenella</i> life cycle. International Journal for Parasitology, 2004, 34, 683-692.	1.3	31
67	Quantitative real-time PCR (qPCR) for <i>Eimeria tenella</i> replication – Implications for experimental refinement and animal welfare. Parasitology International, 2015, 64, 464-470.	0.6	31
68	Three operational taxonomic units of <i>Eimeria</i> are common in Nigerian chickens and may undermine effective molecular diagnosis of coccidiosis. BMC Veterinary Research, 2016, 12, 86.	0.7	31
69	Dissecting the Genomic Architecture of Resistance to <i>Eimeria maxima</i> Parasitism in the Chicken. Frontiers in Genetics, 2018, 9, 528.	1.1	31
70	Stage-specific expression of protease genes in the apicomplexan parasite, <i>Eimeria tenella</i> . BMC Genomics, 2012, 13, 685.	1.2	30
71	Humoral and cytokine response elicited during immunisation with recombinant Immune Mapped protein-1 (<i>EtIMP-1</i>) and oocysts of <i>Eimeria tenella</i> . Veterinary Parasitology, 2017, 244, 44-53.	0.7	30
72	Controlling the causative agents of coccidiosis in domestic chickens; an eye on the past and considerations for the future. CABI Agriculture and Bioscience, 2021, 2, 37.	1.1	30

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73	The Microneme Proteins EtMIC4 and EtMIC5 of <i>Eimeria tenella</i> Form a Novel, Ultra-high Molecular Mass Protein Complex That Binds Target Host Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 16891-16898.	1.6	28
74	The genome of the protozoan parasite <i>Cystoisospora suis</i> and a reverse vaccinology approach to identify vaccine candidates. <i>International Journal for Parasitology</i> , 2017, 47, 189-202.	1.3	28
75	Evaluation of vaccine delivery systems for inducing long-lived antibody responses to <i>Dermanyssus gallinae</i> antigen in laying hens. <i>Avian Pathology</i> , 2019, 48, S60-S74.	0.8	28
76	Spotlight on avian pathology: <i>Eimeria</i> and the disease coccidiosis. <i>Avian Pathology</i> , 2021, 50, 209-213.	0.8	28
77	Illumina Next Generation Sequencing for the Analysis of <i>Eimeria</i> Populations in Commercial Broilers and Indigenous Chickens. <i>Frontiers in Veterinary Science</i> , 2018, 5, 176.	0.9	27
78	Draft Genome Assembly of the Poultry Red Mite, <i>Dermanyssus gallinae</i> . <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.3	26
79	Impact of <i>Eimeria tenella</i> Coinfection on <i>Campylobacter jejuni</i> Colonization of the Chicken. <i>Infection and Immunity</i> , 2019, 87, .	1.0	25
80	Genetic and biological characterisation of three cryptic <i>Eimeria</i> operational taxonomic units that infect chickens (<i>Gallus gallus domesticus</i>). <i>International Journal for Parasitology</i> , 2021, 51, 621-634.	1.3	24
81	Laboratory Growth and Genetic Manipulation of <i>Eimeria tenella</i> . <i>Current Protocols in Microbiology</i> , 2019, 53, e81.	6.5	23
82	Fowlpox virus: Its structural proteins and immunogens and the detection of viral-specific antibodies by Elisa. <i>Avian Pathology</i> , 1987, 16, 493-504.	0.8	22
83	Genomic organisation and developmentally regulated expression of an apicomplexan aspartyl proteinase. <i>Gene</i> , 2001, 262, 129-136.	1.0	21
84	Aspartyl proteinase genes from apicomplexan parasites: evidence for evolution of the gene structure. <i>Trends in Parasitology</i> , 2001, 17, 491-498.	1.5	20
85	Calcium binding activity of the epidermal growth factor-like domains of the apicomplexan microneme protein EtMIC4. <i>Molecular and Biochemical Parasitology</i> , 2005, 143, 192-199.	0.5	20
86	Characterisation of full-length cDNA sequences provides insights into the <i>Eimeria tenella</i> transcriptome. <i>BMC Genomics</i> , 2012, 13, 21.	1.2	20
87	Kinetics of the Cellular and Transcriptomic Response to <i>Eimeria maxima</i> in Relatively Resistant and Susceptible Chicken Lines. <i>Frontiers in Immunology</i> , 2021, 12, 653085.	2.2	19
88	A fowlpox virus vaccine vector with insertion sites in the terminal repeats: demonstration of its efficacy using the fusion gene of Newcastle disease virus. <i>Veterinary Microbiology</i> , 1990, 23, 305-316.	0.8	18
89	Antigenic diversity of the asexual developmental stages of <i>Eimeria tenella</i> . <i>Parasite Immunology</i> , 1994, 16, 407-413.	0.7	18
90	Isolation and sequences of cDNA clones for cytosolic and organellar hsp70 species in <i>Eimeria</i> spp.. <i>Molecular and Biochemical Parasitology</i> , 1995, 70, 211-215.	0.5	18

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91	EmaxDB: Availability of a first draft genome sequence for the apicomplexan <i>Eimeria maxima</i> . <i>Molecular and Biochemical Parasitology</i> , 2012, 184, 48-51.	0.5	18
92	Vaccination with transgenic <i>Eimeria tenella</i> expressing <i>Eimeria maxima</i> AMA1 and IMP1 confers partial protection against high-level <i>E. maxima</i> challenge in a broiler model of coccidiosis. <i>Parasites and Vectors</i> , 2020, 13, 343.	1.0	18
93	The Growth of <i>Eimeria tenella</i> : Characterization and Application of Quantitative Methods to Assess Sporozoite Invasion and Endogenous Development in Cell Culture. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 579833.	1.8	17
94	piggyBac Transposon-Mediated Transgenesis in the Apicomplexan Parasite <i>Eimeria tenella</i> . <i>PLoS ONE</i> , 2012, 7, e40075.	1.1	16
95	Solution structure of a PAN module from the apicomplexan parasite <i>Eimeria tenella</i> . <i>Journal of Structural and Functional Genomics</i> , 2003, 4, 227-234.	1.2	15
96	Nucleotide sequence of RNA segment 5, encoding the nucleoprotein, of influenza A/FPV/Rostock/34. <i>Virus Research</i> , 1984, 1, 625-630.	1.1	14
97	Real-time PCR-based quantification of <i>Eimeria</i> genomes: a method to outweigh underestimation of genome numbers due to PCR inhibition. <i>Avian Pathology</i> , 2013, 42, 304-308.	0.8	14
98	Development of vaccines for parasitic diseases of animals: Challenges and opportunities. <i>Parasite Immunology</i> , 2016, 38, 707-708.	0.7	14
99	Characterization of novel microneme adhesive repeats (MAR) in <i>Eimeria tenella</i> . <i>Parasites and Vectors</i> , 2017, 10, 491.	1.0	13
100	Revisiting the Economic Impacts of <i>Eimeria</i> and Its Control in European Intensive Broiler Systems With a Recursive Modeling Approach. <i>Frontiers in Veterinary Science</i> , 2020, 7, 558182.	0.9	13
101	Genome reconstruction of a novel carbohydrate digesting bacterium from the chicken caecal microflora. <i>Meta Gene</i> , 2019, 20, 100543.	0.3	11
102	A Novel Whole Yeast-Based Subunit Oral Vaccine Against <i>Eimeria tenella</i> in Chickens. <i>Frontiers in Immunology</i> , 2022, 13, 809711.	2.2	11
103	Complete NMR assignments for the second microneme adhesive repeat (MAR) domain from <i>Eimeria tenella</i> microneme protein EtMIC3. <i>Biomolecular NMR Assignments</i> , 2009, 3, 175-177.	0.4	10
104	Understanding chicken walks on $n \times n$ grid: Hamiltonian paths, discrete dynamics, and rectifiable paths. <i>Mathematical Methods in the Applied Sciences</i> , 2015, 38, 3346-3358.	1.2	10
105	Impact of <i>Eimeria tenella</i> Oocyst Dose on Parasite Replication, Lesion Score and Cytokine Transcription in the Caeca in Three Breeds of Commercial Layer Chickens. <i>Frontiers in Veterinary Science</i> , 2021, 8, 640041.	0.9	10
106	Adopting an intersectoral One Health approach in India: Time for One Health Committees. <i>Indian Journal of Medical Research</i> , 2021, 153, 281.	0.4	10
107	<i>Eimeria tenella</i> microneme protein EtMIC4: capture of the full-length transcribed sequence and comparison with other microneme proteins. <i>Parasitology Research</i> , 2009, 104, 717-721.	0.6	9
108	The structure of a major surface antigen SAG19 from <i>Eimeria tenella</i> unifies the <i>Eimeria</i> SAG family. <i>Communications Biology</i> , 2021, 4, 376.	2.0	9

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109	Application of a new PCR-RFLP panel suggests a restricted population structure for <i>Eimeria tenella</i> in UK and Irish chickens. <i>Veterinary Parasitology</i> , 2016, 229, 60-67.	0.7	8
110	Impeding movement of the poultry red mite, <i>Dermanyssus gallinae</i> . <i>Veterinary Parasitology</i> , 2016, 225, 104-107.	0.7	8
111	Cellular electron tomography of the apical complex in the apicomplexan parasite <i>Eimeria tenella</i> shows a highly organised gateway for regulated secretion. <i>PLoS Pathogens</i> , 2022, 18, e1010666.	2.1	8
112	Cloning and sequencing of beta-tubulin and internal transcribed spacer-2 (ITS-2) of <i>Eimeria tenella</i> isolate from India. <i>Journal of Parasitic Diseases</i> , 2015, 39, 539-544.	0.4	7
113	Phylogenetic Inference Using Cytochrome C Oxidase Subunit I (COI) in the Poultry Red Mite, <i>Dermanyssus gallinae</i> in the United Kingdom Relative to a European Framework. <i>Frontiers in Veterinary Science</i> , 2020, 7, 553.	0.9	7
114	Primary structure of a BiP homologue in <i>Eimeria</i> spp.. <i>Parasitology Research</i> , 1996, 82, 566-568.	0.6	5
115	Expressed sequence tags from <i>Eimeria brunetti</i> preliminary analysis and functional annotation. <i>Parasitology Research</i> , 2011, 108, 1059-1062.	0.6	5
116	The impact of the COREMI Cost Action Network on the progress towards the control of the poultry red mite, <i>Dermanyssus gallinae</i> . <i>Avian Pathology</i> , 2019, 48, S1-S1.	0.8	4
117	Do All Coccidia Follow the Same Trafficking Rules?. <i>Life</i> , 2021, 11, 909.	1.1	2
118	Apicomplexan biology in the post-genomic era: Perspectives from the European COST Action 857. <i>International Journal for Parasitology</i> , 2009, 39, 133-134.	1.3	1