Fiona M Tomley

List of Publications by Year
in descending order

118	6,377	61984	79698
papers	citations	43 h-index	73 g-index

121	121	121	3532
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Securing poultry production from the ever-present Eimeria challenge. Trends in Parasitology, 2014, 30, 12-19.	3.3	321
2	The Biology of Avian Eimeria with an Emphasis on their Control by Vaccination. Advances in Parasitology, 2005, 60, 285-330.	3.2	309
3	Re-calculating the cost of coccidiosis in chickens. Veterinary Research, 2020, 51, 115.	3.0	289
4	A Selective Review of Advances in Coccidiosis Research. Advances in Parasitology, 2013, 83, 93-171.	3.2	194
5	Microneme Proteins in Apicomplexans. Sub-Cellular Biochemistry, 2008, 47, 33-45.	2.4	189
6	Mix and match modules: structure and function of microneme proteins in apicomplexan parasites. Trends in Parasitology, 2001, 17, 81-88.	3.3	185
7	Genomic analysis of the causative agents of coccidiosis in domestic chickens. Genome Research, 2014, 24, 1676-1685.	5.5	176
8	Livestock infectious diseases and zoonoses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2637-2642.	4.0	163
9	Microbial diversity and community composition of caecal microbiota in commercial and indigenous Indian chickens determined using 16s rDNA amplicon sequencing. Microbiome, 2018, 6, 115.	11.1	138
10	A role for coccidian cGMP-dependent protein kinase in motility and invasion. International Journal for Parasitology, 2004, 34, 369-380.	3.1	131
11	Sequence of the gene encoding an immunodominant microneme protein of Eimeria tenella. Molecular and Biochemical Parasitology, 1991, 49, 277-288.	1.1	124
12	Molecular cloning and characterization of a novel acidic microneme protein (Etmic-2) from the apicomplexan protozoan parasite, Eimeria tenella. Molecular and Biochemical Parasitology, 1996, 79, 195-206.	1.1	114
13	TgM2AP participates in Toxoplasma gondii invasion of host cells and is tightly associated with the adhesive protein TgMIC2. Molecular Microbiology, 2001, 41, 537-547.	2.5	110
14	The proteome of Toxoplasma gondii: integration with the genome provides novel insights into gene expression and annotation. Genome Biology, 2008, 9, R116.	9.6	109
15	Effects of Eimeria tenella infection on chicken caecal microbiome diversity, exploring variation associated with severity of pathology. PLoS ONE, 2017, 12, e0184890.	2.5	109
16	Development of a diagnostic PCR assay for the detection and discrimination of four pathogenic.Eimeriaspecies of the chicken. Avian Pathology, 1998, 27, 490-497.	2.0	105
17	The Eimeria genome projects: a sequence of events. Trends in Parasitology, 2004, 20, 199-201.	3.3	103
18	Population, genetic, and antigenic diversity of the apicomplexanEimeria tenellaand their relevance to vaccine development. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5343-50.	7.1	95

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19	MORN1 Has a Conserved Role in Asexual and Sexual Development across the Apicomplexa. Eukaryotic Cell, 2008, 7, 698-711.	3.4	94
20	Proteomic comparison of four Eimeria tenella lifeâ€cycle stages: Unsporulated oocyst, sporulated oocyst, sporozoite and secondâ€generation merozoite. Proteomics, 2009, 9, 4566-4576.	2.2	91
21	Techniques for Isolation and Characterization of Apical Organelles fromEimeria tenellaSporozoites. Methods, 1997, 13, 171-176.	3.8	90
22	PCR identification of chicken Eimeria: A simplified read-out. Avian Pathology, 1999, 28, 89-93.	2.0	86
23	Induction of secretion and surface capping of microneme proteins in Eimeria tenella. Molecular and Biochemical Parasitology, 2000, 110, 311-321.	1.1	81
24	Determining the protein repertoire of Cryptosporidium parvum sporozoites. Proteomics, 2008, 8, 1398-1414.	2.2	74
25	Poultry Coccidiosis: Design and Interpretation of Vaccine Studies. Frontiers in Veterinary Science, 2020, 7, 101.	2.2	72
26	Eimeria species parasites as novel vaccine delivery vectors: Anti-Campylobacter jejuni protective immunity induced by Eimeria tenella-delivered CjaA. Vaccine, 2012, 30, 2683-2688.	3.8	71
27	Recombinant anticoccidial vaccines - a cup half full?. Infection, Genetics and Evolution, 2017, 55, 358-365.	2.3	69
28	Eimeria tenella sporozoites and merozoites differentially express glycosylphosphatidylinositol-anchored variant surface proteins. Molecular and Biochemical Parasitology, 2004, 135, 123-132.	1.1	67
29	Cryptic Eimeria genotypes are common across the southern but not northern hemisphere. International Journal for Parasitology, 2016, 46, 537-544.	3.1	66
30	Characterisation of Plasmodium invasive organelles; an ookinete microneme proteome. Proteomics, 2009, 9, 1142-1151.	2.2	65
31	EtMIC4: a microneme protein from Eimeria tenella that contains tandem arrays of epidermal growth factor-like repeats and thrombospondin type-I repeats. International Journal for Parasitology, 2001, 31, 1303-1310.	3.1	64
32	A toolbox facilitating stable transfection of Eimeria species. Molecular and Biochemical Parasitology, 2008, 162, 77-86.	1.1	64
33	Stable transfection of Eimeria tenella: Constitutive expression of the YFP-YFP molecule throughout the life cycle. International Journal for Parasitology, 2009, 39, 109-117.	3.1	63
34	Identification by a random sequencing strategy of the fowlpoxvirus DNA polymerase gene, its nucleotide sequence and comparison with other viral DNA polymerases. Nucleic Acids Research, 1987, 15, 6563-6573.	14.5	61
35	A microneme protein from Eimeria tenella with homology to the Apple domains of coagulation factor XI and plasma pre-kallikrein. Molecular and Biochemical Parasitology, 2000, 107, 91-102.	1.1	61
36	The Role of Sialyl Glycan Recognition in Host Tissue Tropism of the Avian Parasite Eimeria tenella. PLoS Pathogens, 2011, 7, e1002296.	4.7	58

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37	Understanding the biology and control of the poultry red miteDermanyssus gallinae: a review. Avian Pathology, 2015, 44, 143-153.	2.0	57
38	An optimised protocol for molecular identification of Eimeria from chickens. Veterinary Parasitology, 2014, 199, 24-31.	1.8	56
39	Analysis of the function of IL-10 in chickens using specific neutralising antibodies and a sensitive capture ELISA. Developmental and Comparative Immunology, 2016, 63, 206-212.	2.3	52
40	Transient expression of Î²-galactosidase in differentiating sporozoites of Eimeria tenella. Molecular and Biochemical Parasitology, 1998, 97, 21-31.	1.1	50
41	Mapping and expression of microneme genes in Eimeria tenella. International Journal for Parasitology, 2000, 30, 1493-1499.	3.1	49
42	Sequencing and analysis of chromosome 1 of Eimeria tenella reveals a unique segmental organization. Genome Research, 2007, 17, 311-319.	5.5	49
43	Are Eimeria Genetically Diverse, and Does It Matter?. Trends in Parasitology, 2017, 33, 231-241.	3.3	48
44	The rhoptry proteome of Eimeria tenella sporozoites. International Journal for Parasitology, 2013, 43, 181-188.	3.1	46
45	Development of cross-protective Eimeria-vectored vaccines based on apical membrane antigens. International Journal for Parasitology, 2018, 48, 505-518.	3.1	46
46	Life cycle stages, specific organelles and invasion mechanisms ofEimeriaspecies. Parasitology, 2020, 147, 263-278.	1.5	45
47	Regions of an Eimeria tenella antigen contain sequences which are conserved in circumsporozoite proteins from Plasmodium spp. and which are related to the thrombospondin gene family. Molecular and Biochemical Parasitology, 1990, 41, 269-279.	1.1	42
48	Trans-genera reconstitution and complementation of an adhesion complex in Toxoplasma gondii. Cellular Microbiology, 2004, 6, 771-782.	2.1	42
49	Conservation of proteins involved in oocyst wall formation in Eimeria maxima, Eimeria tenella and Eimeria acervulina. International Journal for Parasitology, 2009, 39, 1063-1070.	3.1	42
50	The molecular basis for the distinct host and tissue tropisms of coccidian parasites. Molecular and Biochemical Parasitology, 2012, 186, 1-10.	1.1	42
51	Phenotypic and genetic variation in the response of chickens to Eimeria tenella induced coccidiosis. Genetics Selection Evolution, 2018, 50, 63.	3.0	41
52	Defining the protein repertoire of microneme secretory organelles in the apicomplexan parasiteEimeria tenella. Proteomics, 2003, 3, 1553-1561.	2.2	39
53	Enzymes of type II fatty acid synthesis and apicoplast differentiation and division in Eimeria tenella. International Journal for Parasitology, 2007, 37, 33-51.	3.1	39
54	Viral proteins expressed in the protozoan parasite Eimeria tenella are detected by the chicken immune system. Parasites and Vectors, 2016, 9, 463.	2.5	39

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55	A survey of genes in Eimeria tenella merozoites by EST sequencing1Note: Nucleotide sequence data reported in this paper are available in the GenBankâ„¢, EMBL and DDBJ databases under the accession numbers AI676260 through AI676754.1. International Journal for Parasitology, 1999, 29, 1885-1892.	3.1	37
56	Immunogenic Eimeria tenella Glycosylphosphatidylinositol-Anchored Surface Antigens (SAGs) Induce Inflammatory Responses in Avian Macrophages. PLoS ONE, 2011, 6, e25233.	2.5	37
57	Plasmodium male development gene-1 (mdv-1) is important for female sexual development and identifies a polarised plasma membrane during zygote development. International Journal for Parasitology, 2009, 39, 755-761.	3.1	36
58	Proteomic analysis of Plasmodium in the mosquito: progress and pitfalls. Parasitology, 2012, 139, 1131-1145.	1.5	35
59	Differential localisation of an Eimeria tenella aspartyl proteinase during the infection process. International Journal for Parasitology, 2000, 30, 1099-1107.	3.1	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.	2.8	33
61	Comparative EST analyses provide insights into gene expression in two asexual developmental stages of Eimeria tenella. Experimental Parasitology, 2002, 101, 168-173.	1.2	33
62	Characterization of rhoptry proteins of Eimeria tenella sporozoites: antigenic diversity of rhoptry epitopes within species of the genus Eimeria and among three asexual generations of a single species, E. tenella. Infection and Immunity, 1994, 62, 4656-4658.	2.2	33
63	High-pressure freezing in the study of animal pathogens. Journal of Microscopy, 2003, 212, 62-70.	1.8	32
64	Spotlight on avian pathology: red mite, a serious emergent problem in layer hens. Avian Pathology, 2018, 47, 533-535.	2.0	32
65	Reverse transcriptase activity and particles of retroviral density in cultured canine lymphosarcoma supernatants. British Journal of Cancer, 1983, 47, 277-284.	6.4	31
66	EtCRK2, a cyclin-dependent kinase gene expressed during the sexual and asexual phases of the Eimeria tenella life cycle. International Journal for Parasitology, 2004, 34, 683-692.	3.1	31
67	Quantitative real-time PCR (qPCR) for Eimeria tenella replication â€" Implications for experimental refinement and animal welfare. Parasitology International, 2015, 64, 464-470.	1.3	31
68	Three operational taxonomic units of Eimeria are common in Nigerian chickens and may undermine effective molecular diagnosis of coccidiosis. BMC Veterinary Research, 2016, 12, 86.	1.9	31
69	Dissecting the Genomic Architecture of Resistance to Eimeria maxima Parasitism in the Chicken. Frontiers in Genetics, 2018, 9, 528.	2.3	31
70	Stage-specific expression of protease genes in the apicomplexan parasite, Eimeria tenella. BMC Genomics, 2012, 13, 685.	2.8	30
71	Humoral and cytokine response elicited during immunisation with recombinant Immune Mapped protein-1 (EtIMP-1) and oocysts of Eimeria tenella. Veterinary Parasitology, 2017, 244, 44-53.	1.8	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.	2.4	30

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73	The Microneme Proteins EtMIC4 and EtMIC5 of Eimeria tenella Form a Novel, Ultra-high Molecular Mass Protein Complex That Binds Target Host Cells. Journal of Biological Chemistry, 2007, 282, 16891-16898.	3.4	28
74	The genome of the protozoan parasite Cystoisospora suis and a reverse vaccinology approach to identify vaccine candidates. International Journal for Parasitology, 2017, 47, 189-202.	3.1	28
75	Evaluation of vaccine delivery systems for inducing long-lived antibody responses to Dermanyssus gallinae antigen in laying hens. Avian Pathology, 2019, 48, S60-S74.	2.0	28
76	Spotlight on avian pathology:Eimeriaand the disease coccidiosis. Avian Pathology, 2021, 50, 209-213.	2.0	28
77	Illumina Next Generation Sequencing for the Analysis of Eimeria Populations in Commercial Broilers and Indigenous Chickens. Frontiers in Veterinary Science, 2018, 5, 176.	2.2	27
78	Draft Genome Assembly of the Poultry Red Mite, Dermanyssus gallinae. Microbiology Resource Announcements, 2018, 7, .	0.6	26
79	Impact of Eimeria tenella Coinfection on Campylobacter jejuni Colonization of the Chicken. Infection and Immunity, 2019, 87, .	2.2	25
80	Genetic and biological characterisation of three cryptic Eimeria operational taxonomic units that infect chickens (Gallus gallus domesticus). International Journal for Parasitology, 2021, 51, 621-634.	3.1	24
81	Laboratory Growth and Genetic Manipulation of Eimeria tenella. Current Protocols in Microbiology, 2019, 53, e81.	6.5	23
82	Fowlpox virus: Its structural proteins and immunogens and the detection of viralâ€specific antibodies by Elisa. Avian Pathology, 1987, 16, 493-504.	2.0	22
83	Genomic organisation and developmentally regulated expression of an apicomplexan aspartyl proteinase. Gene, 2001, 262, 129-136.	2.2	21
84	Aspartyl proteinase genes from apicomplexan parasites: evidence for evolution of the gene structure. Trends in Parasitology, 2001, 17, 491-498.	3.3	20
85	Calcium binding activity of the epidermal growth factor-like domains of the apicomplexan microneme protein EtMIC4. Molecular and Biochemical Parasitology, 2005, 143, 192-199.	1.1	20
86	Characterisation of full-length cDNA sequences provides insights into the Eimeria tenella transcriptome. BMC Genomics, 2012, 13, 21.	2.8	20
87	Kinetics of the Cellular and Transcriptomic Response to Eimeria maxima in Relatively Resistant and Susceptible Chicken Lines. Frontiers in Immunology, 2021, 12, 653085.	4.8	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. Veterinary Microbiology, 1990, 23, 305-316.	1.9	18
89	Antigenic diversity of the asexual developmental stages of Eimeria tenella. Parasite Immunology, 1994, 16, 407-413.	1.5	18
90	Isolation and sequences of cDNA clones for cytosolic and organellar hsp70 species in Eimeria spp.. Molecular and Biochemical Parasitology, 1995, 70, 211-215.	1.1	18

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91	EmaxDB: Availability of a first draft genome sequence for the apicomplexan Eimeria maxima. Molecular and Biochemical Parasitology, 2012, 184, 48-51.	1.1	18
92	Vaccination with transgenic Eimeria tenella expressing Eimeria maxima AMA1 and IMP1 confers partial protection against high-level E. maxima challenge in a broiler model of coccidiosis. Parasites and Vectors, 2020, 13, 343.	2.5	18
93	The Growth of Eimeria tenella: Characterization and Application of Quantitative Methods to Assess Sporozoite Invasion and Endogenous Development in Cell Culture. Frontiers in Cellular and Infection Microbiology, 2020, 10, 579833.	3.9	17
94	piggyBac Transposon-Mediated Transgenesis in the Apicomplexan Parasite Eimeria tenella. PLoS ONE, 2012, 7, e40075.	2.5	16
95	Solution structure of a PAN module from the apicomplexan parasite Eimeria tenella. Journal of Structural and Functional Genomics, 2003, 4, 227-234.	1.2	15
96	Nucleotide sequence of RNA segment 5, encoding the nucleoprotein, of influenza A/FPV/Rostock/34. Virus Research, 1984, 1, 625-630.	2.2	14
97	Real-time PCR-based quantification ofEimeriagenomes: a method to outweigh underestimation of genome numbers due to PCR inhibition. Avian Pathology, 2013, 42, 304-308.	2.0	14
98	Development of vaccines for parasitic diseases of animals: Challenges and opportunities. Parasite Immunology, 2016, 38, 707-708.	1.5	14
99	Characterization of novel microneme adhesive repeats (MAR) in Eimeria tenella. Parasites and Vectors, 2017, 10, 491.	2.5	13
100	Revisiting the Economic Impacts of Eimeria and Its Control in European Intensive Broiler Systems With a Recursive Modeling Approach. Frontiers in Veterinary Science, 2020, 7, 558182.	2.2	13
101	Genome reconstruction of a novel carbohydrate digesting bacterium from the chicken caecal microflora. Meta Gene, 2019, 20, 100543.	0.6	11
102	A Novel Whole Yeast-Based Subunit Oral Vaccine Against Eimeria tenella in Chickens. Frontiers in Immunology, 2022, 13, 809711.	4.8	11
103	Complete NMR assignments for the second microneme adhesive repeat (MAR) domain from Eimeria tenella microneme protein EtMIC3. Biomolecular NMR Assignments, 2009, 3, 175-177.	0.8	10
104	Understanding chicken walks on n Ã— n grid: Hamiltonian paths, discrete dynamics, and rectifiable paths. Mathematical Methods in the Applied Sciences, 2015, 38, 3346-3358.	2.3	10
105	Impact of Eimeria tenella Oocyst Dose on Parasite Replication, Lesion Score and Cytokine Transcription in the Caeca in Three Breeds of Commercial Layer Chickens. Frontiers in Veterinary Science, 2021, 8, 640041.	2.2	10
106	Adopting an intersectoral One Health approach in India: Time for One Health Committees. Indian Journal of Medical Research, 2021, 153, 281.	1.0	10
107	Eimeria tenella microneme protein EtMIC4: capture of the full-length transcribed sequence and comparison with other microneme proteins. Parasitology Research, 2009, 104, 717-721.	1.6	9
108	The structure of a major surface antigen SAG19 from Eimeria tenella unifies the Eimeria SAG family. Communications Biology, 2021, 4, 376.	4.4	9

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109	Application of a new PCR-RFLP panel suggests a restricted population structure for Eimeria tenella in UK and Irish chickens. Veterinary Parasitology, 2016, 229, 60-67.	1.8	8
110	Impeding movement of the poultry red mite, Dermanyssus gallinae. Veterinary Parasitology, 2016, 225, 104-107.	1.8	8
111	Cellular electron tomography of the apical complex in the apicomplexan parasite Eimeria tenella shows a highly organised gateway for regulated secretion. PLoS Pathogens, 2022, 18, e1010666.	4.7	8
112	Cloning and sequencing of beta-tubulin and internal transcribed spacer-2 (ITS-2) of Eimeria tenella isolate from India. Journal of Parasitic Diseases, 2015, 39, 539-544.	1.0	7
113	Phylogenetic Inference Using Cytochrome C Oxidase Subunit I (COI) in the Poultry Red Mite, Dermanyssus gallinae in the United Kingdom Relative to a European Framework. Frontiers in Veterinary Science, 2020, 7, 553.	2.2	7
114	Primary structure of a BiP homologue in Eimeria spp.. Parasitology Research, 1996, 82, 566-568.	1.6	5
115	Expressed sequence tags from Eimeria brunettiâ€"preliminary analysis and functional annotation. Parasitology Research, 2011, 108, 1059-1062.	1.6	5
116	The impact of the COREMI Cost Action Network on the progress towards the control of the poultry red mite, Dermanyssus gallinae. Avian Pathology, 2019, 48, S1-S1.	2.0	4
117	Do All Coccidia Follow the Same Trafficking Rules?. Life, 2021, 11, 909.	2.4	2
118	Apicomplexan biology in the post-genomic era: Perspectives from the European COST Action 857. International Journal for Parasitology, 2009, 39, 133-134.	3.1	1