

# Fiona M Tomley

## List of Publications by Year in descending order

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118  
papers

6,377  
citations

61984

43  
h-index

79698

73  
g-index

121  
all docs

121  
docs citations

121  
times ranked

3532  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Whole Yeast-Based Subunit Oral Vaccine Against <i>Eimeria tenella</i> in Chickens. <i>Frontiers in Immunology</i> , 2022, 13, 809711.	4.8	11
2	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.	4.7	8
3	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.	2.2	10
4	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.	4.8	19
5	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.	4.4	9
6	Spotlight on avian pathology: <i>Eimeria</i> and the disease coccidiosis. <i>Avian Pathology</i> , 2021, 50, 209-213.	2.0	28
7	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.	3.1	24
8	Do All Coccidia Follow the Same Trafficking Rules?. <i>Life</i> , 2021, 11, 909.	2.4	2
9	Controlling the causative agents of coccidiosis in domestic chickens; an eye on the past and considerations for the future. <i>CABI Agriculture and Bioscience</i> , 2021, 2, 37.	2.4	30
10	Adopting an intersectoral One Health approach in India: Time for One Health Committees. <i>Indian Journal of Medical Research</i> , 2021, 153, 281.	1.0	10
11	Life cycle stages, specific organelles and invasion mechanisms of <i>Eimeria</i> species. <i>Parasitology</i> , 2020, 147, 263-278.	1.5	45
12	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.	2.5	18
13	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.	2.2	7
14	Re-calculating the cost of coccidiosis in chickens. <i>Veterinary Research</i> , 2020, 51, 115.	3.0	289
15	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.	3.9	17
16	Poultry Coccidiosis: Design and Interpretation of Vaccine Studies. <i>Frontiers in Veterinary Science</i> , 2020, 7, 101.	2.2	72
17	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.	2.2	13
18	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.	2.0	4

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19	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.	2.0	28
20	Laboratory Growth and Genetic Manipulation of <i>Eimeria tenella</i> . <i>Current Protocols in Microbiology</i> , 2019, 53, e81.	6.5	23
21	Genome reconstruction of a novel carbohydrate digesting bacterium from the chicken caecal microflora. <i>Meta Gene</i> , 2019, 20, 100543.	0.6	11
22	Impact of <i>Eimeria tenella</i> Coinfection on <i>Campylobacter jejuni</i> Colonization of the Chicken. <i>Infection and Immunity</i> , 2019, 87, .	2.2	25
23	Development of cross-protective Eimeria-vectored vaccines based on apical membrane antigens. <i>International Journal for Parasitology</i> , 2018, 48, 505-518.	3.1	46
24	Draft Genome Assembly of the Poultry Red Mite, <i>Dermanyssus gallinae</i> . <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	26
25	Phenotypic and genetic variation in the response of chickens to <i>Eimeria tenella</i> induced coccidiosis. <i>Genetics Selection Evolution</i> , 2018, 50, 63.	3.0	41
26	Dissecting the Genomic Architecture of Resistance to <i>Eimeria maxima</i> Parasitism in the Chicken. <i>Frontiers in Genetics</i> , 2018, 9, 528.	2.3	31
27	Spotlight on avian pathology: red mite, a serious emergent problem in layer hens. <i>Avian Pathology</i> , 2018, 47, 533-535.	2.0	32
28	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.	11.1	138
29	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.	2.2	27
30	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.	3.1	28
31	Recombinant anticoccidial vaccines - a cup half full?. <i>Infection, Genetics and Evolution</i> , 2017, 55, 358-365.	2.3	69
32	Humoral and cytokine response elicited during immunisation with recombinant Immune Mapped protein-1 (EtIMP-1) and oocysts of <i>Eimeria tenella</i> . <i>Veterinary Parasitology</i> , 2017, 244, 44-53.	1.8	30
33	Are <i>Eimeria</i> Genetically Diverse, and Does It Matter?. <i>Trends in Parasitology</i> , 2017, 33, 231-241.	3.3	48
34	Characterization of novel microneme adhesive repeats (MAR) in <i>Eimeria tenella</i> . <i>Parasites and Vectors</i> , 2017, 10, 491.	2.5	13
35	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.	2.5	109
36	Three operational taxonomic units of <i>Eimeria</i> are common in Nigerian chickens and may undermine effective molecular diagnosis of coccidiosis. <i>BMC Veterinary Research</i> , 2016, 12, 86.	1.9	31

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37	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.	2.3	52
38	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.	2.5	39
39	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.	1.8	8
40	Cryptic <i>Eimeria</i> genotypes are common across the southern but not northern hemisphere. <i>International Journal for Parasitology</i> , 2016, 46, 537-544.	3.1	66
41	Development of vaccines for parasitic diseases of animals: Challenges and opportunities. <i>Parasite Immunology</i> , 2016, 38, 707-708.	1.5	14
42	Impeding movement of the poultry red mite, <i>Dermanyssus gallinae</i> . <i>Veterinary Parasitology</i> , 2016, 225, 104-107.	1.8	8
43	Understanding chicken walks on a $n \times n$ grid: Hamiltonian paths, discrete dynamics, and rectifiable paths. <i>Mathematical Methods in the Applied Sciences</i> , 2015, 38, 3346-3358.	2.3	10
44	Understanding the biology and control of the poultry red mite <i>Dermanyssus gallinae</i> : a review. <i>Avian Pathology</i> , 2015, 44, 143-153.	2.0	57
45	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.	7.1	95
46	Quantitative real-time PCR (qPCR) for <i>Eimeria tenella</i> replication – Implications for experimental refinement and animal welfare. <i>Parasitology International</i> , 2015, 64, 464-470.	1.3	31
47	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.	1.0	7
48	Genomic analysis of the causative agents of coccidiosis in domestic chickens. <i>Genome Research</i> , 2014, 24, 1676-1685.	5.5	176
49	Securing poultry production from the ever-present <i>Eimeria</i> challenge. <i>Trends in Parasitology</i> , 2014, 30, 12-19.	3.3	321
50	An optimised protocol for molecular identification of <i>Eimeria</i> from chickens. <i>Veterinary Parasitology</i> , 2014, 199, 24-31.	1.8	56
51	A Selective Review of Advances in Coccidiosis Research. <i>Advances in Parasitology</i> , 2013, 83, 93-171.	3.2	194
52	The rhoptry proteome of <i>Eimeria tenella</i> sporozoites. <i>International Journal for Parasitology</i> , 2013, 43, 181-188.	3.1	46
53	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.	2.0	14
54	Proteomic analysis of <i>Plasmodium</i> in the mosquito: progress and pitfalls. <i>Parasitology</i> , 2012, 139, 1131-1145.	1.5	35

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55	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
56	The molecular basis for the distinct host and tissue tropisms of coccidian parasites. Molecular and Biochemical Parasitology, 2012, 186, 1-10.	1.1	42
57	Stage-specific expression of protease genes in the apicomplexan parasite, Eimeria tenella. BMC Genomics, 2012, 13, 685.	2.8	30
58	EmaxDB: Availability of a first draft genome sequence for the apicomplexan Eimeria maxima. Molecular and Biochemical Parasitology, 2012, 184, 48-51.	1.1	18
59	Characterisation of full-length cDNA sequences provides insights into the Eimeria tenella transcriptome. BMC Genomics, 2012, 13, 21.	2.8	20
60	piggyBac Transposon-Mediated Transgenesis in the Apicomplexan Parasite Eimeria tenella. PLoS ONE, 2012, 7, e40075.	2.5	16
61	Immunogenic Eimeria tenella Glycosylphosphatidylinositol-Anchored Surface Antigens (SAGs) Induce Inflammatory Responses in Avian Macrophages. PLoS ONE, 2011, 6, e25233.	2.5	37
62	Expressed sequence tags from Eimeria brunetti preliminary analysis and functional annotation. Parasitology Research, 2011, 108, 1059-1062.	1.6	5
63	The Role of Sialyl Glycan Recognition in Host Tissue Tropism of the Avian Parasite Eimeria tenella. PLoS Pathogens, 2011, 7, e1002296.	4.7	58
64	Livestock infectious diseases and zoonoses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2637-2642.	4.0	163
65	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
66	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
67	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
68	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
69	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
70	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
71	Characterisation of Plasmodium invasive organelles; an ookinete microneme proteome. Proteomics, 2009, 9, 1142-1151.	2.2	65
72	Proteomic comparison of four Eimeria tenella life cycle stages: Unsporulated oocyst, sporulated oocyst, sporozoite and second-generation merozoite. Proteomics, 2009, 9, 4566-4576.	2.2	91

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73	Determining the protein repertoire of <i>Cryptosporidium parvum</i> sporozoites. <i>Proteomics</i> , 2008, 8, 1398-1414.	2.2	74
74	A toolbox facilitating stable transfection of <i>Eimeria</i> species. <i>Molecular and Biochemical Parasitology</i> , 2008, 162, 77-86.	1.1	64
75	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.	9.6	109
76	Microneme Proteins in Apicomplexans. <i>Sub-Cellular Biochemistry</i> , 2008, 47, 33-45.	2.4	189
77	MORN1 Has a Conserved Role in Asexual and Sexual Development across the Apicomplexa. <i>Eukaryotic Cell</i> , 2008, 7, 698-711.	3.4	94
78	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.	3.4	28
79	Sequencing and analysis of chromosome 1 of <i>Eimeria tenella</i> reveals a unique segmental organization. <i>Genome Research</i> , 2007, 17, 311-319.	5.5	49
80	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.	3.1	39
81	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.	1.1	20
82	The Biology of Avian <i>Eimeria</i> with an Emphasis on their Control by Vaccination. <i>Advances in Parasitology</i> , 2005, 60, 285-330.	3.2	309
83	Trans-genera reconstitution and complementation of an adhesion complex in <i>Toxoplasma gondii</i> . <i>Cellular Microbiology</i> , 2004, 6, 771-782.	2.1	42
84	<i>Eimeria tenella</i> sporozoites and merozoites differentially express glycosylphosphatidylinositol-anchored variant surface proteins. <i>Molecular and Biochemical Parasitology</i> , 2004, 135, 123-132.	1.1	67
85	The <i>Eimeria</i> genome projects: a sequence of events. <i>Trends in Parasitology</i> , 2004, 20, 199-201.	3.3	103
86	A role for coccidian cGMP-dependent protein kinase in motility and invasion. <i>International Journal for Parasitology</i> , 2004, 34, 369-380.	3.1	131
87	EtCRK2, a cyclin-dependent kinase gene expressed during the sexual and asexual phases of the <i>Eimeria tenella</i> life cycle. <i>International Journal for Parasitology</i> , 2004, 34, 683-692.	3.1	31
88	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
89	High-pressure freezing in the study of animal pathogens. <i>Journal of Microscopy</i> , 2003, 212, 62-70.	1.8	32
90	Defining the protein repertoire of microneme secretory organelles in the apicomplexan parasite <i>Eimeria tenella</i> . <i>Proteomics</i> , 2003, 3, 1553-1561.	2.2	39

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91	Comparative EST analyses provide insights into gene expression in two asexual developmental stages of <i>Eimeria tenella</i> . <i>Experimental Parasitology</i> , 2002, 101, 168-173.	1.2	33
92	Genomic organisation and developmentally regulated expression of an apicomplexan aspartyl proteinase. <i>Gene</i> , 2001, 262, 129-136.	2.2	21
93	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. <i>FEBS Letters</i> , 2001, 497, 31-38.	2.8	33
94	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.	2.5	110
95	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.	3.1	64
96	Mix and match modules: structure and function of microneme proteins in apicomplexan parasites. <i>Trends in Parasitology</i> , 2001, 17, 81-88.	3.3	185
97	Aspartyl proteinase genes from apicomplexan parasites: evidence for evolution of the gene structure. <i>Trends in Parasitology</i> , 2001, 17, 491-498.	3.3	20
98	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.	1.1	61
99	Induction of secretion and surface capping of microneme proteins in <i>Eimeria tenella</i> . <i>Molecular and Biochemical Parasitology</i> , 2000, 110, 311-321.	1.1	81
100	Differential localisation of an <i>Eimeria tenella</i> aspartyl proteinase during the infection process. <i>International Journal for Parasitology</i> , 2000, 30, 1099-1107.	3.1	33
101	Mapping and expression of microneme genes in <i>Eimeria tenella</i> . <i>International Journal for Parasitology</i> , 2000, 30, 1493-1499.	3.1	49
102	PCR identification of chicken <i>Eimeria</i> : A simplified read-out. <i>Avian Pathology</i> , 1999, 28, 89-93.	2.0	86
103	A survey of genes in <i>Eimeria tenella</i> merozoites by EST sequencing Note: Nucleotide sequence data reported in this paper are available in the GenBank®, EMBL and DDBJ databases under the accession numbers AI676260 through AI676754.1. <i>International Journal for Parasitology</i> , 1999, 29, 1885-1892.	3.1	37
104	Transient expression of Î2-galactosidase in differentiating sporozoites of <i>Eimeria tenella</i> . <i>Molecular and Biochemical Parasitology</i> , 1998, 97, 21-31.	1.1	50
105	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.	2.0	105
106	Techniques for Isolation and Characterization of Apical Organelles from <i>Eimeria tenella</i> Sporozoites. <i>Methods</i> , 1997, 13, 171-176.	3.8	90
107	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.	1.1	114
108	Primary structure of a BiP homologue in <i>Eimeria</i> spp.. <i>Parasitology Research</i> , 1996, 82, 566-568.	1.6	5

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109	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.	1.1	18
110	Antigenic diversity of the asexual developmental stages of <i>Eimeria tenella</i> . <i>Parasite Immunology</i> , 1994, 16, 407-413.	1.5	18
111	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> . <i>Infection and Immunity</i> , 1994, 62, 4656-4658.	2.2	33
112	Sequence of the gene encoding an immunodominant microneme protein of <i>Eimeria tenella</i> . <i>Molecular and Biochemical Parasitology</i> , 1991, 49, 277-288.	1.1	124
113	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.	1.1	42
114	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.	1.9	18
115	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.	14.5	61
116	Fowlpox virus: Its structural proteins and immunogens and the detection of viral-specific antibodies by Elisa. <i>Avian Pathology</i> , 1987, 16, 493-504.	2.0	22
117	Nucleotide sequence of RNA segment 5, encoding the nucleoprotein, of influenza A/FPV/Rostock/34. <i>Virus Research</i> , 1984, 1, 625-630.	2.2	14
118	Reverse transcriptase activity and particles of retroviral density in cultured canine lymphosarcoma supernatants. <i>British Journal of Cancer</i> , 1983, 47, 277-284.	6.4	31