

Geoffrey I Mcfadden

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200
papers

18,426
citations

68
h-index

133
g-index

212
ext. papers

20,520
ext. citations

9.7
avg, IF

6.57
L-index

#	Paper	IF	Citations
200	Genome sequence of the human malaria parasite <i>Plasmodium falciparum</i> . <i>Nature</i> , 2002 , 419, 498-511	50.4	3336
199	Nuclear-encoded proteins target to the plastid in <i>Toxoplasma gondii</i> and <i>Plasmodium falciparum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 12352-7	11.5	628
198	Plastid evolution. <i>Annual Review of Plant Biology</i> , 2008 , 59, 491-517	30.7	500
197	Tropical infectious diseases: metabolic maps and functions of the <i>Plasmodium falciparum</i> apicoplast. <i>Nature Reviews Microbiology</i> , 2004 , 2, 203-16	22.2	493
196	Protein trafficking to the plastid of <i>Plasmodium falciparum</i> is via the secretory pathway. <i>EMBO Journal</i> , 2000 , 19, 1794-802	13	418
195	Plastid in human parasites. <i>Nature</i> , 1996 , 381, 482	50.4	396
194	Dissecting apicoplast targeting in the malaria parasite <i>Plasmodium falciparum</i> . <i>Science</i> , 2003 , 299, 705-833.3	39.1	391
193	Localization of organellar proteins in <i>Plasmodium falciparum</i> using a novel set of transfection vectors and a new immunofluorescence fixation method. <i>Molecular and Biochemical Parasitology</i> , 2004 , 137, 13-21	1.9	353
192	Trafficking and assembly of the cytoadherence complex in <i>Plasmodium falciparum</i> -infected human erythrocytes. <i>EMBO Journal</i> , 2001 , 20, 5636-49	13	305
191	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. <i>Nature</i> , 2012 , 492, 59-65	50.4	304
190	PRIMARY AND SECONDARY ENDOSYMBIOSIS AND THE ORIGIN OF PLASTIDS. <i>Journal of Phycology</i> , 2001 , 37, 951-959	3	296
189	Functional Profiling of a <i>Plasmodium</i> Genome Reveals an Abundance of Essential Genes. <i>Cell</i> , 2017 , 170, 260-272.e8	56.2	277
188	Liver-Resident Memory CD8 T Cells Form a Front-Line Defense against Malaria Liver-Stage Infection. <i>Immunity</i> , 2016 , 45, 889-902	32.3	231
187	Phenotypic variation of <i>Plasmodium falciparum</i> merozoite proteins directs receptor targeting for invasion of human erythrocytes. <i>EMBO Journal</i> , 2003 , 22, 1047-57	13	219
186	A phylogenetic assessment of the eukaryotic light-harvesting antenna proteins, with implications for plastid evolution. <i>Journal of Molecular Evolution</i> , 1999 , 48, 59-68	3.1	210
185	The evolution, metabolism and functions of the apicoplast. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 749-63	5.8	209
184	The effects of anti-bacterials on the malaria parasite <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2007 , 152, 181-91	1.9	202

183	Apicomplexan plastids as drug targets. <i>Trends in Microbiology</i> , 1999 , 7, 328-33	12.4	202
182	Development of the endoplasmic reticulum, mitochondrion and apicoplast during the asexual life cycle of <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2005 , 57, 405-19	4.1	200
181	Evolution: red algal genome affirms a common origin of all plastids. <i>Current Biology</i> , 2004 , 14, R514-6	6.3	195
180	Use of Hepes buffer for microalgal culture media and fixation for electron microscopy. <i>Phycologia</i> , 1986 , 25, 551-557	2.7	184
179	Metabolic maps and functions of the <i>Plasmodium</i> mitochondrion. <i>FEMS Microbiology Reviews</i> , 2006 , 30, 596-630	15.1	183
178	The complete chloroplast genome of the chlorarachniophyte <i>Bigeloviella natans</i> : evidence for independent origins of chlorarachniophyte and euglenid secondary endosymbionts. <i>Molecular Biology and Evolution</i> , 2007 , 24, 54-62	8.3	177
177	Deciphering apicoplast targeting signals--feature extraction from nuclear-encoded precursors of <i>Plasmodium falciparum</i> apicoplast proteins. <i>Gene</i> , 2001 , 280, 19-26	3.8	177
176	Complete nucleotide sequence of the chlorarachniophyte nucleomorph: nature's smallest nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9566-71	11.5	173
175	Mitochondrial FtsZ in a chromophyte alga. <i>Science</i> , 2000 , 287, 1276-9	33.3	155
174	The apicoplast: a review of the derived plastid of apicomplexan parasites. <i>Current Issues in Molecular Biology</i> , 2005 , 7, 57-79	2.9	152
173	A type II pathway for fatty acid biosynthesis presents drug targets in <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2003 , 47, 297-301	5.9	151
172	Independent translocation of two micronemal proteins in developing <i>Plasmodium falciparum</i> merozoites. <i>Infection and Immunity</i> , 2002 , 70, 5751-8	3.7	137
171	The apicoplast as an antimalarial drug target. <i>Drug Resistance Updates</i> , 2001 , 4, 145-51	23.2	137
170	Evidence that an amoeba acquired a chloroplast by retaining part of an engulfed eukaryotic alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 3690-4	11.5	137
169	The malaria parasite <i>Plasmodium falciparum</i> has only one pyruvate dehydrogenase complex, which is located in the apicoplast. <i>Molecular Microbiology</i> , 2005 , 55, 39-53	4.1	136
168	The apicoplast: a plastid in <i>Plasmodium falciparum</i> and other Apicomplexan parasites. <i>International Review of Cytology</i> , 2003 , 224, 57-110		134
167	Endosymbiosis and evolution of the plant cell. <i>Current Opinion in Plant Biology</i> , 1999 , 2, 513-9	9.9	134
166	Processing of an apicoplast leader sequence in <i>Plasmodium falciparum</i> and the identification of a putative leader cleavage enzyme. <i>Journal of Biological Chemistry</i> , 2002 , 277, 23612-9	5.4	133

165	Alveolins, a new family of cortical proteins that define the protist infrakingdom Alveolata. <i>Molecular Biology and Evolution</i> , 2008 , 25, 1219-30	8.3	124
164	Plastids and protein targeting. <i>Journal of Eukaryotic Microbiology</i> , 1999 , 46, 339-46	3.6	123
163	Basal body reorientation mediated by a Ca ²⁺ -modulated contractile protein. <i>Journal of Cell Biology</i> , 1987 , 105, 903-12	7.3	123
162	Membrane transporters in the relict plastid of malaria parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9572-7	11.5	114
161	Chloroplast origin and integration. <i>Plant Physiology</i> , 2001 , 125, 50-3	6.6	113
160	Apicoplast isoprenoid precursor synthesis and the molecular basis of fosmidomycin resistance in <i>Toxoplasma gondii</i> . <i>Journal of Experimental Medicine</i> , 2011 , 208, 1547-59	16.6	112
159	The miniaturized nuclear genome of eukaryotic endosymbiont contains genes that overlap, genes that are cotranscribed, and the smallest known spliceosomal introns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 7737-42	11.5	112
158	Translocation of proteins across the multiple membranes of complex plastids. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001 , 1541, 34-53	4.9	107
157	Properties and prediction of mitochondrial transit peptides from <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2003 , 132, 59-66	1.9	105
156	Phylogeny of <i>Eucalyptus</i> and <i>Angophora</i> based on 5S rDNA spacer sequence data. <i>Molecular Phylogenetics and Evolution</i> , 1995 , 4, 247-56	4.1	101
155	Plastids in parasites of humans. <i>BioEssays</i> , 1997 , 19, 1033-40	4.1	100
154	Regulated degradation of an endoplasmic reticulum membrane protein in a tubular lysosome in <i>Leishmania mexicana</i> . <i>Molecular Biology of the Cell</i> , 2001 , 12, 2364-77	3.5	95
153	SMP-1, a member of a new family of small myristoylated proteins in kinetoplastid parasites, is targeted to the flagellum membrane in <i>Leishmania</i> . <i>Molecular Biology of the Cell</i> , 2004 , 15, 4775-86	3.5	94
152	Loss of nucleosomal DNA condensation coincides with appearance of a novel nuclear protein in dinoflagellates. <i>Current Biology</i> , 2012 , 22, 2303-12	6.3	93
151	Evolution of galactoglycerolipid biosynthetic pathways--from cyanobacteria to primary plastids and from primary to secondary plastids. <i>Progress in Lipid Research</i> , 2014 , 54, 68-85	14.3	92
150	The chloroplast protein translocation complexes of <i>Chlamydomonas reinhardtii</i> : a bioinformatic comparison of Toc and Tic components in plants, green algae and red algae. <i>Genetics</i> , 2008 , 179, 95-112 ⁴		92
149	Defining the timing of action of antimalarial drugs against <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 1455-67	5.9	90
148	Atypical lipid composition in the purified relict plastid (apicoplast) of malaria parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7506-11	11.5	88

147	Goniomonas: rRNA sequences indicate that this phagotrophic flagellate is a close relative of the host component of cryptomonads. <i>European Journal of Phycology</i> , 1994 , 29, 29-32	2.2	87
146	Parasites resistant to the antimalarial atovaquone fail to transmit by mosquitoes. <i>Science</i> , 2016 , 352, 349-53	33.3	84
145	Something borrowed, something green: lateral transfer of chloroplasts by secondary endosymbiosis. <i>Trends in Ecology and Evolution</i> , 1995 , 10, 12-7	10.9	82
144	Expression sites and developmental regulation of genes encoding (1- β ,1- α)-D-glucanases in germinated barley. <i>Planta</i> , 1988 , 173, 500-8	4.7	78
143	Inhibition of dendritic cell maturation by malaria is dose dependent and does not require Plasmodium falciparum erythrocyte membrane protein 1. <i>Infection and Immunity</i> , 2007 , 75, 3621-32	3.7	77
142	Evidence for Golgi-independent transport from the early secretory pathway to the plastid in malaria parasites. <i>Molecular Microbiology</i> , 2006 , 61, 614-30	4.1	77
141	Sodium-dependent uptake of inorganic phosphate by the intracellular malaria parasite. <i>Nature</i> , 2006 , 443, 582-5	50.4	77
140	The metabolic roles of the endosymbiotic organelles of Toxoplasma and Plasmodium spp. <i>Current Opinion in Microbiology</i> , 2013 , 16, 452-8	7.9	76
139	Characterization of two putative protein translocation components in the apicoplast of Plasmodium falciparum. <i>Eukaryotic Cell</i> , 2009 , 8, 1146-54		75
138	Shikimate pathway in apicomplexan parasites. <i>Nature</i> , 1999 , 397, 219-20	50.4	74
137	Cryptomonad nuclear and nucleomorph 18S rRNA phylogeny. <i>European Journal of Phycology</i> , 1996 , 31, 315-328	2.2	74
136	Apicoplast and mitochondrion in gametocytogenesis of Plasmodium falciparum. <i>Eukaryotic Cell</i> , 2009 , 8, 128-32		73
135	Fatty acid biosynthesis as a drug target in apicomplexan parasites. <i>Current Drug Targets</i> , 2007 , 8, 15-30	3	71
134	CRYPTOMONAD EVOLUTION: NUCLEAR 18S rDNA PHYLOGENY VERSUS CELL MORPHOLOGY AND PIGMENTATION1. <i>Journal of Phycology</i> , 2002 , 38, 1236-1244	3	71
133	The apicoplast. <i>Protoplasma</i> , 2011 , 248, 641-50	3.4	68
132	Evolutionary pressures on apicoplast transit peptides. <i>Molecular Biology and Evolution</i> , 2004 , 21, 2183-94	3	68
131	Plasmodium falciparum apicoplast drugs: targets or off-targets?. <i>Chemical Reviews</i> , 2012 , 112, 1269-83	68.1	66
130	Mitochondrial ATP synthase is dispensable in blood-stage Plasmodium berghei rodent malaria but essential in the mosquito phase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10216-23	11.5	65

129	Jam packed genomes--a preliminary, comparative analysis of nucleomorphs. <i>Genetica</i> , 2002 , 115, 13-28	1.5	64
128	Antimalarial activity of the anticancer histone deacetylase inhibitor SB939. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 3849-56	5.9	63
127	The human malaria parasite <i>Plasmodium falciparum</i> possesses two distinct dihydrolipoamide dehydrogenases. <i>Molecular Microbiology</i> , 2005 , 55, 27-38	4.1	63
126	In situ hybridization localizes avocado sunblotch viroid on chloroplast thylakoid membranes and coconut cadang cadang viroid in the nucleus. <i>Plant Journal</i> , 1994 , 6, 99-103	6.9	63
125	Comment on "A Green Algal Apicoplast Ancestor". <i>Science</i> , 2003 , 301, 49a-49	33.3	62
124	The apicoplast: now you see it, now you don't. <i>International Journal for Parasitology</i> , 2017 , 47, 137-144	4.3	61
123	The Clp chaperones and proteases of the human malaria parasite <i>Plasmodium falciparum</i> . <i>Journal of Molecular Biology</i> , 2010 , 404, 456-77	6.5	61
122	Endosymbiosis undone by stepwise elimination of the plastid in a parasitic dinoflagellate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5767-72	11.5	60
121	Evidence for nucleomorph to host nucleus gene transfer: light-harvesting complex proteins from cryptomonads and chlorarachniophytes. <i>Protist</i> , 2000 , 151, 239-52	2.5	60
120	Bonsai genomics: sequencing the smallest eukaryotic genomes. <i>Trends in Genetics</i> , 1997 , 13, 46-9	8.5	59
119	Protein targeting to the malaria parasite plastid. <i>Traffic</i> , 2008 , 9, 166-75	5.7	59
118	Molecular Phylogeny of Chlorarachniophytes Based on Plastid rRNA and rbcL Sequences. <i>Archiv Für Protistenkunde</i> , 1995 , 145, 231-239		59
117	Spatial localisation of actin filaments across developmental stages of the malaria parasite. <i>PLoS ONE</i> , 2012 , 7, e32188	3.7	58
116	The <i>Plasmodium</i> translocon of exported proteins (PTEX) component thioredoxin-2 is important for maintaining normal blood-stage growth. <i>Molecular Microbiology</i> , 2013 , 89, 1167-86	4.1	58
115	A study of the genus <i>Pyramimonas</i> (Prasinophyceae) from southeastern Australia. <i>Nordic Journal of Botany</i> , 1986 , 6, 209-234	1.1	58
114	The carbon and energy sources of the non-photosynthetic plastid in the malaria parasite. <i>FEBS Letters</i> , 2010 , 584, 549-54	3.8	57
113	Origin and evolution of plastids and photosynthesis in eukaryotes. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6, a016105	10.2	56
112	Dual targeting of aminoacyl-tRNA synthetases to the apicoplast and cytosol in <i>Plasmodium falciparum</i> . <i>International Journal for Parasitology</i> , 2012 , 42, 177-86	4.3	56

111	Fatty acid metabolism in the Plasmodium apicoplast: Drugs, doubts and knockouts. <i>Molecular and Biochemical Parasitology</i> , 2015 , 199, 34-50	1.9	55
110	Phylogenetic diversity of parabasalian symbionts from termites, including the phylogenetic position of Pseudotrypanosoma and Trichonympha. <i>Journal of Eukaryotic Microbiology</i> , 1998 , 45, 643-50 ^{3.6}		55
109	Lysine acetylation in sexual stage malaria parasites is a target for antimalarial small molecules. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 3666-78	5.9	52
108	CD8+ T cells from a novel T cell receptor transgenic mouse induce liver-stage immunity that can be boosted by blood-stage infection in rodent malaria. <i>PLoS Pathogens</i> , 2014 , 10, e1004135	7.6	52
107	The use and abuse of heme in apicomplexan parasites. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 634-56.4		52
106	Sterols and fatty acids of an antarctic sea ice diatom, Stauroneis amphioxys. <i>Phytochemistry</i> , 1981 , 20, 1935-1937	4	52
105	Tic22 is an essential chaperone required for protein import into the apicoplast. <i>Journal of Biological Chemistry</i> , 2012 , 287, 39505-12	5.4	49
104	Malaria parasite colonisation of the mosquito midgut--placing the Plasmodium ookinete centre stage. <i>International Journal for Parasitology</i> , 2012 , 42, 519-27	4.3	48
103	The 5S ribosomal RNA gene is linked to large and small subunit ribosomal RNA genes in the oomycetes, Phytophthora vignae, P. cinnamomi, P. megasperma f.sp. glycinea and Saprolegnia ferax. <i>Current Genetics</i> , 1992 , 22, 455-61	2.9	48
102	Size isn't everything: lessons in genetic miniaturisation from nucleomorphs. <i>Current Opinion in Genetics and Development</i> , 1997 , 7, 800-6	4.9	47
101	Illuminating Plasmodium falciparum-infected red blood cells. <i>Trends in Parasitology</i> , 2007 , 23, 268-77	6.4	46
100	Macrolides rapidly inhibit red blood cell invasion by the human malaria parasite, Plasmodium falciparum. <i>BMC Biology</i> , 2015 , 13, 52	7.3	45
99	Ciliate pellicular proteome identifies novel protein families with characteristic repeat motifs that are common to alveolates. <i>Molecular Biology and Evolution</i> , 2011 , 28, 1319-31	8.3	45
98	Evolution of malaria parasite plastid targeting sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4781-5	11.5	45
97	N-terminal positively charged amino acids, but not their exact position, are important for apicoplast transit peptide fidelity in Toxoplasma gondii. <i>Molecular and Biochemical Parasitology</i> , 2006 , 150, 192-200 ^{1.9}		45
96	CD8 T Cell Activation Leads to Constitutive Formation of Liver Tissue-Resident Memory T Cells that Seed a Large and Flexible Niche in the Liver. <i>Cell Reports</i> , 2018 , 25, 68-79.e4	10.6	45
95	Malaria, Plasmodium falciparum and its apicoplast. <i>Biochemical Society Transactions</i> , 2010 , 38, 775-82	5.1	44
94	Good things in small packages: the tiny genomes of chlorarachniophyte endosymbionts. <i>BioEssays</i> , 1997 , 19, 167-73	4.1	43

93	The phylogenetic position of alpha- and beta-tubulins from the Chlorarachnion host and Cercomonas (Cercozoa). <i>Journal of Eukaryotic Microbiology</i> , 1998 , 45, 561-70	3.6	43
92	Rewiring and regulation of cross-compartmentalized metabolism in protists. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 831-45	5.8	41
91	Identification of plant-like galactolipids in Chromera velia, a photosynthetic relative of malaria parasites. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29893-903	5.4	41
90	Protein targeting to destinations of the secretory pathway in the malaria parasite Plasmodium falciparum. <i>Current Opinion in Microbiology</i> , 2006 , 9, 381-7	7.9	41
89	The chlorarachniophyte: a cell with two different nuclei and two different telomeres. <i>Chromosoma</i> , 1995 , 103, 635-41	2.8	41
88	Targeting apicoplasts in malaria parasites. <i>Expert Opinion on Therapeutic Targets</i> , 2013 , 17, 167-77	6.4	40
87	Evidence that cryptomonad chloroplasts evolved from photosynthetic eukaryotic endosymbionts. <i>Journal of Cell Science</i> , 1990 , 95, 303-308	5.3	40
86	A simple fixation and embedding method for use in hybridization histochemistry on plant tissues. <i>The Histochemical Journal</i> , 1988 , 20, 575-86		39
85	Comparative transcriptomics of female and male gametocytes in Plasmodium berghei and the evolution of sex in alveolates. <i>BMC Genomics</i> , 2017 , 18, 734	4.5	37
84	The mother of all parasites. <i>Future Microbiology</i> , 2008 , 3, 391-395	2.9	37
83	Plastids in apicomplexan parasites. <i>Plant Systematics and Evolution Supplementum = Entwicklungsgeschichte Und Systematik Der Pflanzen Supplementum</i> , 1997 , 261-287		36
82	Golgi apparatus activity and membrane flow during scale biogenesis in the green flagellate <i>Scherffelia dubia</i> (Prasinophyceae). I: Flagellar regeneration. <i>Protoplasma</i> , 1986 , 130, 186-198	3.4	36
81	Synthesis and antimalarial activity of prodigiosenes. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4132-43	4.0	35
80	Is the Mitochondrion a Good Malaria Drug Target?. <i>Trends in Parasitology</i> , 2017 , 33, 185-193	6.4	34
79	Quantitative analysis of Plasmodium ookinete motion in three dimensions suggests a critical role for cell shape in the biomechanics of malaria parasite gliding motility. <i>Cellular Microbiology</i> , 2014 , 16, 734-50	3.9	32
78	New proteins in the apicoplast membranes: time to rethink apicoplast protein targeting. <i>Trends in Parasitology</i> , 2009 , 25, 197-200	6.4	32
77	The Import of Proteins into the Mitochondrion of Toxoplasma gondii. <i>Journal of Biological Chemistry</i> , 2016 , 291, 19335-50	5.4	32
76	The Plasmodium translocon of exported proteins component EXP2 is critical for establishing a patent malaria infection in mice. <i>Cellular Microbiology</i> , 2016 , 18, 399-412	3.9	30

75	Characterization of two malaria parasite organelle translation elongation factor G proteins: the likely targets of the anti-malarial fusidic acid. <i>PLoS ONE</i> , 2011 , 6, e20633	3.7	30
74	Membrane protein SMP-1 is required for normal flagellum function in <i>Leishmania</i> . <i>Journal of Cell Science</i> , 2010 , 123, 544-54	5.3	30
73	Comment on "A green algal apicoplast ancestor". <i>Science</i> , 2003 , 301, 49; author reply 49	33.3	30
72	Apicoplast-Localized Lysophosphatidic Acid Precursor Assembly Is Required for Bulk Phospholipid Synthesis in <i>Toxoplasma gondii</i> and Relies on an Algal/Plant-Like Glycerol 3-Phosphate Acyltransferase. <i>PLoS Pathogens</i> , 2016 , 12, e1005765	7.6	29
71	A dual-targeted aminoacyl-tRNA synthetase in <i>Plasmodium falciparum</i> charges cytosolic and apicoplast tRNACys. <i>Biochemical Journal</i> , 2014 , 458, 513-23	3.8	28
70	Validation of Putative Apicoplast-Targeting Drugs Using a Chemical Supplementation Assay in Cultured Human Malaria Parasites. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	28
69	Targeting Protein Translation in Organelles of the Apicomplexa. <i>Trends in Parasitology</i> , 2016 , 32, 953-965.4	5.4	25
68	Red cells from ferrochelatase-deficient erythropoietic protoporphyria patients are resistant to growth of malarial parasites. <i>Blood</i> , 2015 , 125, 534-41	2.2	25
67	A serine-arginine-rich (SR) splicing factor modulates alternative splicing of over a thousand genes in <i>Toxoplasma gondii</i> . <i>Nucleic Acids Research</i> , 2015 , 43, 4661-75	20.1	25
66	Characterisation of a <i>Leishmania mexicana</i> knockout lacking guanosine diphosphate-mannose pyrophosphorylase. <i>International Journal for Parasitology</i> , 2005 , 35, 861-73	4.3	25
65	Diatom genomics: genetic acquisitions and mergers. <i>Current Biology</i> , 2004 , 14, R1048-50	6.3	24
64	Development of a Novel CD4 TCR Transgenic Line That Reveals a Dominant Role for CD8 Dendritic Cells and CD40 Signaling in the Generation of Helper and CTL Responses to Blood-Stage Malaria. <i>Journal of Immunology</i> , 2017 , 199, 4165-4179	5.3	23
63	A Natural Peptide Antigen within the <i>Plasmodium</i> Ribosomal Protein RPL6 Confers Liver T Cell-Mediated Immunity against Malaria in Mice. <i>Cell Host and Microbe</i> , 2020 , 27, 950-962.e7	23.4	21
62	Inhibition of malaria parasite development by a cyclic peptide that targets the vital parasite protein SERA5. <i>Infection and Immunity</i> , 2008 , 76, 4332-44	3.7	20
61	A novel genetic technique in <i>Plasmodium berghei</i> allows liver stage analysis of genes required for mosquito stage development and demonstrates that de novo heme synthesis is essential for liver stage development in the malaria parasite. <i>PLoS Pathogens</i> , 2017 , 13, e1006396	7.6	20
60	Characterization of the <i>Plasmodium falciparum</i> and <i>P. berghei</i> glycerol 3-phosphate acyltransferase involved in FASII fatty acid utilization in the malaria parasite apicoplast. <i>Cellular Microbiology</i> , 2017 , 19, e12633	3.9	19
59	Glycolipid-peptide vaccination induces liver-resident memory CD8 T cells that protect against rodent malaria. <i>Science Immunology</i> , 2020 , 5,	28	19
58	<i>Leishmania</i> adaptor protein-1 subunits are required for normal lysosome traffic, flagellum biogenesis, lipid homeostasis, and adaptation to temperatures encountered in the mammalian host. <i>Eukaryotic Cell</i> , 2008 , 7, 1256-67		19

57	Dynamin: the endosymbiosis ring of power?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3557-9	11.5	19
56	Chapter 12 In Situ Hybridization. <i>Methods in Cell Biology</i> , 1995 , 49, 165-183	1.8	19
55	A mitochondrial protein affects cell morphology, mitochondrial segregation and virulence in Leishmania. <i>International Journal for Parasitology</i> , 2006 , 36, 1499-514	4.3	18
54	Division and Adaptation to Host Environment of Apicomplexan Parasites Depend on Apicoplast Lipid Metabolic Plasticity and Host Organelle Remodeling. <i>Cell Reports</i> , 2020 , 30, 3778-3792.e9	10.6	17
53	More plastids in human parasites?. <i>Trends in Parasitology</i> , 2004 , 20, 54-7	6.4	17
52	A light and electron microscopic study of the quadriflagellate green alga <i>Spermatozopsis exsultans</i> . <i>Plant Systematics and Evolution</i> , 1987 , 158, 47-61	1.3	17
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