Geoffrey I Mcfadden

List of Publications by Year
in descending order

204 papers	22,078 citations	10351 72 h-index	9839 141 g-index
212 all docs	212 docs citations	212 times ranked	14145 citing authors

#	Article	IF	Citations
1	Genome sequence of the human malaria parasite Plasmodium falciparum. Nature, 2002, 419, 498-511.	13.7	3,881
2	Nuclear-encoded proteins target to the plastid in Toxoplasma gondii and Plasmodium falciparum. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12352-12357.	3.3	691
3	Plastid Evolution. Annual Review of Plant Biology, 2008, 59, 491-517.	8.6	597
4	Metabolic maps and functions of the Plasmodium falciparum apicoplast. Nature Reviews Microbiology, 2004, 2, 203-216.	13.6	560
5	Plastid in human parasites. Nature, 1996, 381, 482-482.	13.7	478
6	Functional Profiling of a Plasmodium Genome Reveals an Abundance of Essential Genes. Cell, 2017, 170, 260-272.e8.	13.5	471
7	Protein trafficking to the plastid of Plasmodium falciparum is via the secretory pathway. EMBO Journal, 2000, 19, 1794-1802.	3.5	469
8	Dissecting Apicoplast Targeting in the Malaria Parasite Plasmodium falciparum. Science, 2003, 299, 705-708.	6.0	425
9	Localization of organellar proteins in Plasmodium falciparum using a novel set of transfection vectors and a new immunofluorescence fixation method. Molecular and Biochemical Parasitology, 2004, 137, 13-21.	0.5	401
10	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. Nature, 2012, 492, 59-65.	13.7	377
11	PRIMARY AND SECONDARY ENDOSYMBIOSIS AND THE ORIGIN OF PLASTIDS. Journal of Phycology, 2001, 37, 951-959.	1.0	345
12	Trafficking and assembly of the cytoadherence complex in Plasmodium falciparum-infected human erythrocytes. EMBO Journal, 2001, 20, 5636-5649.	3.5	345
13	Liver-Resident Memory CD8 + T Cells Form a Front-Line Defense against Malaria Liver-Stage Infection. Immunity, 2016, 45, 889-902.	6.6	341
14	The evolution, metabolism and functions of the apicoplast. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 749-763.	1.8	256
15	Development of the endoplasmic reticulum, mitochondrion and apicoplast during the asexual life cycle ofPlasmodium falciparum. Molecular Microbiology, 2005, 57, 405-419.	1.2	243
16	Use of Hepes buffer for microalgal culture media and fixation for electron microscopy. Phycologia, 1986, 25, 551-557.	0.6	241
17	Phenotypic variation of Plasmodium falciparum merozoite proteins directs receptor targeting for invasion of human erythrocytes. EMBO Journal, 2003, 22, 1047-1057.	3.5	235
18	A Phylogenetic Assessment of the Eukaryotic Light-Harvesting Antenna Proteins, with Implications for Plastid Evolution. Journal of Molecular Evolution, 1999, 48, 59-68.	0.8	230

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19	Evolution: Red Algal Genome Affirms a Common Origin of All Plastids. Current Biology, 2004, 14, R514-R516.	1.8	228
20	Metabolic maps and functions of thePlasmodiummitochondrion. FEMS Microbiology Reviews, 2006, 30, 596-630.	3.9	227
21	Apicomplexan plastids as drug targets. Trends in Microbiology, 1999, 7, 328-333.	3.5	225
22	The effects of anti-bacterials on the malaria parasite Plasmodium falciparum. Molecular and Biochemical Parasitology, 2007, 152, 181-191.	0.5	219
23	Deciphering apicoplast targeting signals â€" feature extraction from nuclear-encoded precursors of Plasmodium falciparum apicoplast proteins. Gene, 2001, 280, 19-26.	1.0	199
24	Complete nucleotide sequence of the chlorarachniophyte nucleomorph: Nature's smallest nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9566-9571.	3.3	185
25	The Complete Chloroplast Genome of the Chlorarachniophyte Bigelowiella natans: Evidence for Independent Origins of Chlorarachniophyte and Euglenid Secondary Endosymbionts. Molecular Biology and Evolution, 2007, 24, 54-62.	3.5	185
26	Alveolins, a New Family of Cortical Proteins that Define the Protist Infrakingdom Alveolata. Molecular Biology and Evolution, 2008, 25, 1219-1230.	3.5	184
27	A Type II Pathway for Fatty Acid Biosynthesis Presents Drug Targets in Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2003, 47, 297-301.	1.4	171
28	Mitochondrial FtsZ in a Chromophyte Alga. Science, 2000, 287, 1276-1279.	6.0	169
29	The apicoplast as an antimalarial drug target. Drug Resistance Updates, 2001, 4, 145-151.	6.5	164
30	The malaria parasite Plasmodium falciparum has only one pyruvate dehydrogenase complex, which is located in the apicoplast. Molecular Microbiology, 2004, 55, 39-53.	1.2	160
31	Independent Translocation of Two Micronemal Proteins in Developing Plasmodium falciparum Merozoites. Infection and Immunity, 2002, 70, 5751-5758.	1.0	156
32	The apicoplast: a review of the derived plastid of apicomplexan parasites. Current Issues in Molecular Biology, 2005, 7, 57-79.	1.0	156
33	The apicoplast: A plastid in Plasmodium falciparum and other apicomplexan parasites. International Review of Cytology, 2003, 224, 57-110.	6.2	152
34	Processing of an Apicoplast Leader Sequence inPlasmodium falciparum and the Identification of a Putative Leader Cleavage Enzyme. Journal of Biological Chemistry, 2002, 277, 23612-23619.	1.6	151
35	Endosymbiosis and evolution of the plant cell. Current Opinion in Plant Biology, 1999, 2, 513-519.	3.5	149
36	Evidence that an amoeba acquired a chloroplast by retaining part of an engulfed eukaryotic alga.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 3690-3694.	3.3	146

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37	Apicoplast isoprenoid precursor synthesis and the molecular basis of fosmidomycin resistance in <i>Toxoplasma gondii</i>. Journal of Experimental Medicine, 2011, 208, 1547-1559.	4.2	141
38	Basal body reorientation mediated by a Ca2+-modulated contractile protein.. Journal of Cell Biology, 1987, 105, 903-912.	2.3	139
39	Plastids and Protein Targeting. Journal of Eukaryotic Microbiology, 1999, 46, 339-346.	0.8	135
40	Loss of Nucleosomal DNA Condensation Coincides with Appearance of a Novel Nuclear Protein in Dinoflagellates. Current Biology, 2012, 22, 2303-2312.	1.8	133
41	Membrane transporters in the relict plastid of malaria parasites. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9572-9577.	3.3	126
42	Chloroplast Origin and Integration. Plant Physiology, 2001, 125, 50-53.	2.3	125
43	Defining the Timing of Action of Antimalarial Drugs against Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2013, 57, 1455-1467.	1.4	125
44	The miniaturized nuclear genome of eukaryotic endosymbiont contains genes that overlap, genes that are cotranscribed, and the smallest known spliceosomal introns.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7737-7742.	3.3	124
45	Properties and prediction of mitochondrial transit peptides from Plasmodium falciparum. Molecular and Biochemical Parasitology, 2003, 132, 59-66.	0.5	120
46	Translocation of proteins across the multiple membranes of complex plastids. Biochimica Et Biophysica Acta - Molecular Cell Research, 2001, 1541, 34-53.	1.9	119
47	Parasites resistant to the antimalarial atovaquone fail to transmit by mosquitoes. Science, 2016, 352, 349-353.	6.0	119
48	Phylogeny of Eucalyptus and Angophora Based on 5S rDNA Spacer Sequence Data. Molecular Phylogenetics and Evolution, 1995, 4, 247-256.	1.2	118
49	Evolution of galactoglycerolipid biosynthetic pathways â€" From cyanobacteria to primary plastids and from primary to secondary plastids. Progress in Lipid Research, 2014, 54, 68-85.	5.3	118
50	Plastids in parasites of humans. BioEssays, 1997, 19, 1033-1040.	1.2	117
51	Atypical lipid composition in the purified relict plastid (apicoplast) of malaria parasites. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7506-7511.	3.3	117
52	The apicoplast: now you see it, now you donâ€™t. International Journal for Parasitology, 2017, 47, 137-144.	1.3	106
53	SMP-1, a Member of a New Family of Small Myristoylated Proteins in Kinetoplastid Parasites, Is Targeted to the Flagellum Membrane in Leishmania. Molecular Biology of the Cell, 2004, 15, 4775-4786.	0.9	104
54	The metabolic roles of the endosymbiotic organelles of Toxoplasma and Plasmodium spp.. Current Opinion in Microbiology, 2013, 16, 452-458.	2.3	102

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55	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. Genetics, 2008, 179, 95-112.	1.2	101
56	Goniomonas: rRNA sequences indicate that this phagotrophic flagellate is a close relative of the host component of cryptomonads. European Journal of Phycology, 1994, 29, 29-32.	0.9	97
57	Regulated Degradation of an Endoplasmic Reticulum Membrane Protein in a Tubular Lysosome in<i>Leishmania mexicana</i>. Molecular Biology of the Cell, 2001, 12, 2364-2377.	0.9	97
58	Something borrowed, something green: lateral transfer of chloroplasts by secondary endosymbiosis. Trends in Ecology and Evolution, 1995, 10, 12-17.	4.2	93
59	Mitochondrial ATP synthase is dispensable in blood-stage <i>Plasmodium berghei</i> rodent malaria but essential in the mosquito phase. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10216-10223.	3.3	92
60	Shikimate pathway in apicomplexan parasites. Nature, 1999, 397, 219-220.	13.7	91
61	Sodium-dependent uptake of inorganic phosphate by the intracellular malaria parasite. Nature, 2006, 443, 582-585.	13.7	90
62	Inhibition of Dendritic Cell Maturation by Malaria Is Dose Dependent and Does Not Require Plasmodium falciparum Erythrocyte Membrane Protein 1. Infection and Immunity, 2007, 75, 3621-3632.	1.0	90
63	Endosymbiosis undone by stepwise elimination of the plastid in a parasitic dinoflagellate. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5767-5772.	3.3	88
64	Evidence for Golgi-independent transport from the early secretory pathway to the plastid in malaria parasites. Molecular Microbiology, 2006, 61, 614-630.	1.2	87
65	Expression sites and developmental regulation of genes encoding (1?3,1?4)-?-glucanases in germinated barley. Planta, 1988, 173, 500-508.	1.6	86
66	The apicoplast. Protoplasma, 2011, 248, 641-650.	1.0	86
67	Fatty Acid Biosynthesis as a Drug Target in Apicomplexan Parasites. Current Drug Targets, 2007, 8, 15-30.	1.0	85
68	Apicoplast and Mitochondrion in Gametocytogenesis of <i>Plasmodium falciparum</i>. Eukaryotic Cell, 2009, 8, 128-132.	3.4	85
69	CRYPTOMONAD EVOLUTION: NUCLEAR 18S rDNA PHYLOGENY VERSUS CELL MORPHOLOGY AND PIGMENTATION1. Journal of Phycology, 2002, 38, 1236-1244.	1.0	84
70	Cryptomonad nuclear and nucleomorph 18S rRNA phylogeny. European Journal of Phycology, 1996, 31, 315-328.	0.9	83
71	Fatty acid metabolism in the Plasmodium apicoplast: Drugs, doubts and knockouts. Molecular and Biochemical Parasitology, 2015, 199, 34-50.	0.5	82
72	The Clp Chaperones and Proteases of the Human Malaria Parasite Plasmodium falciparum. Journal of Molecular Biology, 2010, 404, 456-477.	2.0	81

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73	Plasmodium falciparum Apicoplast Drugs: Targets or Off-Targets?. Chemical Reviews, 2012, 112, 1269-1283.	23.0	81
74	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. Cell Reports, 2018, 25, 68-79.e4.	2.9	79
75	Characterization of Two Putative Protein Translocation Components in the Apicoplast of<i>Plasmodium falciparum</i>. Eukaryotic Cell, 2009, 8, 1146-1154.	3.4	76
76	Evolutionary Pressures on Apicoplast Transit Peptides. Molecular Biology and Evolution, 2004, 21, 2183-2194.	3.5	75
77	The <i><scp>P</scp>lasmodium</i> translocon of exported proteins (<scp>PTEX</scp>) component thioredoxinâ€2 is important for maintaining normal bloodâ€stage growth. Molecular Microbiology, 2013, 89, 1167-1186.	1.2	75
78	Origin and Evolution of Plastids and Photosynthesis in Eukaryotes. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016105-a016105.	2.3	75
79	In situ hybridization localizes avocado sunblotch viroid on chloroplast thylakoid membranes and coconut cadang cadang viroid in the nucleus. Plant Journal, 1994, 6, 99-103.	2.8	74
80	Antimalarial Activity of the Anticancer Histone Deacetylase Inhibitor SB939. Antimicrobial Agents and Chemotherapy, 2012, 56, 3849-3856.	1.4	74
81	Jam packed genomes--a preliminary, comparative analysis of nucleomorphs. Genetica, 2002, 115, 13-28.	0.5	72
82	The carbon and energy sources of the nonâ€photosynthetic plastid in the malaria parasite. FEBS Letters, 2010, 584, 549-554.	1.3	72
83	The human malaria parasite Plasmodium falciparum possesses two distinct dihydrolipoamide dehydrogenases. Molecular Microbiology, 2004, 55, 27-38.	1.2	71
84	Protein Targeting to the Malaria Parasite Plastid. Traffic, 2008, 9, 166-175.	1.3	69
85	Spatial Localisation of Actin Filaments across Developmental Stages of the Malaria Parasite. PLoS ONE, 2012, 7, e32188.	1.1	69
86	Comment on "A Green Algal Apicoplast Ancestor". Science, 2003, 301, 49a-49.	6.0	68
87	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. PLoS Pathogens, 2014, 10, e1004135.	2.1	68
88	Comparative transcriptomics of female and male gametocytes in Plasmodium berghei and the evolution of sex in alveolates. BMC Genomics, 2017, 18, 734.	1.2	68
89	A study of the genus Pyramimonas (Prasinophyceae) from southeastern Australia. Nordic Journal of Botany, 1986, 6, 209-234.	0.2	67
90	Molecular Phylogeny of Chlorarachniophytes Based on Plastid rRNA and rbcL Sequences. Archiv FÃ¼r Protistenkunde, 1995, 145, 231-239.	0.8	67

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91	Dual targeting of aminoacyl-tRNA synthetases to the apicoplast and cytosol in Plasmodium falciparum. International Journal for Parasitology, 2012, 42, 177-186.	1.3	65
92	Evidence for Nucleomorph to Host Nucleus Gene Transfer: Light-Harvesting Complex Proteins from Cryptomonads and Chlorarachniophytes. Protist, 2000, 151, 239-252.	0.6	64
93	Macrolides rapidly inhibit red blood cell invasion by the human malaria parasite, Plasmodium falciparum. BMC Biology, 2015, 13, 52.	1.7	64
94	Bonsai genomics: sequencing the smallest eukaryotic genomes. Trends in Genetics, 1997, 13, 46-49.	2.9	62
95	The Use and Abuse of Heme in Apicomplexan Parasites. Antioxidants and Redox Signaling, 2012, 17, 634-656.	2.5	62
96	Lysine Acetylation in Sexual Stage Malaria Parasites Is a Target for Antimalarial Small Molecules. Antimicrobial Agents and Chemotherapy, 2014, 58, 3666-3678.	1.4	62
97	Phylogenetic Diversity of Parabasalian Symbionts from Termites, Including the Phylogenetic Position of Pseudotrypanosoma and Trichonympha. Journal of Eukaryotic Microbiology, 1998, 45, 643-650.	0.8	61
98	Is the Mitochondrion a Good Malaria Drug Target?. Trends in Parasitology, 2017, 33, 185-193.	1.5	60
99	Size isn't everything: lessons in genetic miniaturisation from nucleomorphs. Current Opinion in Genetics and Development, 1997, 7, 800-806.	1.5	58
100	Malaria parasite colonisation of the mosquito midgut â€“ Placing the Plasmodium ookinete centre stage. International Journal for Parasitology, 2012, 42, 519-527.	1.3	58
101	Evolution of malaria parasite plastid targeting sequences. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4781-4785.	3.3	57
102	The Import of Proteins into the Mitochondrion of Toxoplasma gondii. Journal of Biological Chemistry, 2016, 291, 19335-19350.	1.6	56
103	Sterols and fatty acids of an antarctic sea ice diatom, Stauroneis amphioxys. Phytochemistry, 1981, 20, 1935-1937.	1.4	55
104	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. Current Genetics, 1992, 22, 455-461.	0.8	55
105	Ciliate Pellicular Proteome Identifies Novel Protein Families with Characteristic Repeat Motifs That Are Common to Alveolates. Molecular Biology and Evolution, 2011, 28, 1319-1331.	3.5	55
106	Malaria, <i>Plasmodium falciparum</i> and its apicoplast. Biochemical Society Transactions, 2010, 38, 775-782.	1.6	54
107	Tic22 Is an Essential Chaperone Required for Protein Import into the Apicoplast*. Journal of Biological Chemistry, 2012, 287, 39505-39512.	1.6	54
108	Golgi apparatus activity and membrane flow during scale biogenesis in the green flagellateScherffelia dubia (Prasinophyceae). I: Flagellar regeneration. Protoplasma, 1986, 130, 186-198.	1.0	52

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109	Illuminating Plasmodium falciparum-infected red blood cells. Trends in Parasitology, 2007, 23, 268-277.	1.5	52
110	The Phylogenetic Position of Alpha- and Beta-Tubulins from the Chlorarachnion Host and Cercomonas (Cercozoa). Journal of Eukaryotic Microbiology, 1998, 45, 561-570.	0.8	49
111	N-terminal positively charged amino acids, but not their exact position, are important for apicoplast transit peptide fidelity in Toxoplasma gondii. Molecular and Biochemical Parasitology, 2006, 150, 192-200.	0.5	49
112	Membrane protein SMP-1 is required for normal flagellum function in<i>Leishmania</i>. Journal of Cell Science, 2010, 123, 544-554.	1.2	48
113	Identification of Plant-like Galactolipids in Chromera velia, a Photosynthetic Relative of Malaria Parasites. Journal of Biological Chemistry, 2011, 286, 29893-29903.	1.6	48
114	A simple fixation and embedding method for use in hybridization histochemistry on plant tissues. The Histochemical Journal, 1988, 20, 575-586.	0.6	47
115	Protein targeting to destinations of the secretory pathway in the malaria parasite Plasmodium falciparum. Current Opinion in Microbiology, 2006, 9, 381-387.	2.3	47
116	Evidence that cryptomonad chloroplasts evolved from photosynthetic eukaryotic endosymbionts. Journal of Cell Science, 1990, 95, 303-308.	1.2	47
117	Apicoplast-Localized Lysophosphatidic Acid Precursor Assembly Is Required for Bulk Phospholipid Synthesis in Toxoplasma gondii and Relies on an Algal/Plant-Like Glycerol 3-Phosphate Acyltransferase. PLoS Pathogens, 2016, 12, e1005765.	2.1	47
118	Rewiring and regulation of cross-compartmentalized metabolism in protists. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 831-845.	1.8	46
119	Targeting apicoplasts in malaria parasites. Expert Opinion on Therapeutic Targets, 2013, 17, 167-177.	1.5	46
120	Validation of Putative Apicoplast-Targeting Drugs Using a Chemical Supplementation Assay in Cultured Human Malaria Parasites. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	46
121	Plastids in apicomplexan parasites. Plant Systematics and Evolution Supplementum = Entwicklungsgeschichte Und Systematik Der Pflanzen Supplementum, 1997, , 261-287.	1.5	45
122	Good things in small packages: The tiny genomes of chlorarachniophyte endosymbionts. BioEssays, 1997, 19, 167-173.	1.2	45
123	Quantitative analysis of<scp><i>P</i></scp><i>lasmodium</i>ookinete motion in three dimensions suggests a critical role for cell shape in the biomechanics of malaria parasite gliding motility. Cellular Microbiology, 2014, 16, 734-750.	1.1	45
124	A serineâ€"arginine-rich (SR) splicing factor modulates alternative splicing of over a thousand genes in Toxoplasma gondii. Nucleic Acids Research, 2015, 43, 4661-4675.	6.5	45
125	A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver TRM Cell-Mediated Immunity against Malaria in Mice. Cell Host and Microbe, 2020, 27, 950-962.e7.	5.1	45
126	The chlorarachniophyte: a cell with two different nuclei and two different telomeres. Chromosoma, 1995, 103, 635-641.	1.0	44

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127	Glycolipid-peptide vaccination induces liver-resident memory CD8 ⁺ T cells that protect against rodent malaria. Science Immunology, 2020, 5, .	5.6	43
128	Synthesis and antimalarial activity of prodigiosenes. Organic and Biomolecular Chemistry, 2014, 12, 4132.	1.5	40
129	The mother of all parasites. Future Microbiology, 2008, 3, 391-395.	1.0	39
130	Division and Adaptation to Host Environment of Apicomplexan Parasites Depend on Apicoplast Lipid Metabolic Plasticity and Host Organelle Remodeling. Cell Reports, 2020, 30, 3778-3792.e9.	2.9	39
131	Red cells from ferrochelatase-deficient erythropoietic protoporphyria patients are resistant to growth of malarial parasites. Blood, 2015, 125, 534-541.	0.6	37
132	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. Journal of Immunology, 2017, 199, 4165-4179.	0.4	37
133	Mergers and acquisitions: malaria and the great chloroplast heist. Genome Biology, 2000, 1, reviews1026.1.	13.9	35
134	Characterization of Two Malaria Parasite Organelle Translation Elongation Factor G Proteins: The Likely Targets of the Anti-Malarial Fusidic Acid. PLoS ONE, 2011, 6, e20633.	1.1	34
135	The <i>Plasmodium</i> translocon of exported proteins component EXP2 is critical for establishing a patent malaria infection in mice. Cellular Microbiology, 2016, 18, 399-412.	1.1	34
136	A novel genetic technique in Plasmodium berghei 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. PLoS Pathogens, 2017, 13, e1006396.	2.1	34
137	New proteins in the apicoplast membranes: time to rethink apicoplast protein targeting. Trends in Parasitology, 2009, 25, 197-200.	1.5	33
138	Response to Comment on "A Green Algal Apicoplast Ancestor". Science, 2003, 301, 49b-49.	6.0	32
139	A dual-targeted aminoacyl-tRNA synthetase in <i>Plasmodium falciparum</i> charges cytosolic and apicoplast tRNACys. Biochemical Journal, 2014, 458, 513-523.	1.7	31
140	Targeting Protein Translation in Organelles of the Apicomplexa. Trends in Parasitology, 2016, 32, 953-965.	1.5	31
141	Characterisation of a Leishmania mexicana knockout lacking guanosine diphosphate-mannose pyrophosphorylase. International Journal for Parasitology, 2005, 35, 861-873.	1.3	30
142	Alternative splicing is required for stage differentiation in malaria parasites. Genome Biology, 2019, 20, 151.	3.8	29
143	Diatom Genomics: Genetic Acquisitions and Mergers. Current Biology, 2004, 14, R1048-R1050.	1.8	27
144	Characterization of the <i>Plasmodium falciparum</i> and <i>P. berghei</i> glycerol 3â€phosphate acyltransferase involved in FASII fatty acid utilization in the malaria parasite apicoplast. Cellular Microbiology, 2017, 19, e12633.	1.1	25

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145	New agents to combat malaria. Nature Medicine, 2001, 7, 149-150.	15.2	24
146	Sequential Membrane Rupture and Vesiculation during Plasmodium berghei Gametocyte Egress from the Red Blood Cell. Scientific Reports, 2018, 8, 3543.	1.6	24
147	Dynamin: The endosymbiosis ring of power?. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3557-3559.	3.3	23
148	Inhibition of Malaria Parasite Development by a Cyclic Peptide That Targets the Vital Parasite Protein SERA5. Infection and Immunity, 2008, 76, 4332-4344.	1.0	23
149	Characterization of the apicoplast-localized enzyme TgUroD in Toxoplasma gondii reveals a key role of the apicoplast in heme biosynthesis. Journal of Biological Chemistry, 2020, 295, 1539-1550.	1.6	23
150	Chapter 12 In Situ Hybridization. Methods in Cell Biology, 1995, 49, 165-183.	0.5	22
151	Ycf93 (Orf105), a Small Apicoplast-Encoded Membrane Protein in the Relict Plastid of the Malaria Parasite Plasmodium falciparum That Is Conserved in Apicomplexa. PLoS ONE, 2014, 9, e91178.	1.1	22
152	A genetic screen in rodent malaria parasites identifies five new apicoplast putative membrane transporters, one of which is essential in human malaria parasites. Cellular Microbiology, 2018, 20, e12789.	1.1	22
153	A light and electron microscopic study of the quadriflagellate green algaSpermatozopsis exsultans. Plant Systematics and Evolution, 1987, 158, 47-61.	0.3	20
154	Leishmania Adaptor Protein-1 Subunits Are Required for Normal Lysosome Traffic, Flagellum Biogenesis, Lipid Homeostasis, and Adaptation to Temperatures Encountered in the Mammalian Host. Eukaryotic Cell, 2008, 7, 1256-1267.	3.4	20
155	Natural products from Zanthoxylum heitzii with potent activity against the malaria parasite. Malaria Journal, 2016, 15, 481.	0.8	20
156	More plastids in human parasites?. Trends in Parasitology, 2004, 20, 54-57.	1.5	19
157	A mitochondrial protein affects cell morphology, mitochondrial segregation and virulence in Leishmania. International Journal for Parasitology, 2006, 36, 1499-1514.	1.3	19
158	Alternative Splicing in Apicomplexan Parasites. MBio, 2019, 10, .	1.8	19
159	Chemobiosynthesis of New Antimalarial Macrolides. Antimicrobial Agents and Chemotherapy, 2013, 57, 907-913.	1.4	18
160	Characterization of the Chloroquine Resistance Transporter Homologue in Toxoplasma gondii. Eukaryotic Cell, 2014, 13, 1360-1370.	3.4	18
161	Anti-plasmodial Effects of Zanthoxylum zanthoxyloides. Planta Medica, 2019, 85, 1073-1079.	0.7	18
162	Characterization of <i>Tt</i> ALV2, an Essential Charged Repeat Motif Protein of the Tetrahymena thermophila Membrane Skeleton. Eukaryotic Cell, 2013, 12, 932-940.	3.4	17

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163	Dimeric cyclohexane-1,3-dione oximes inhibit wheat acetyl-CoA carboxylase and show anti-malarial activity. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4611-4613.	1.0	16
164	Targeting of a Transporter to the Outer Apicoplast Membrane in the Human Malaria Parasite Plasmodium falciparum. PLoS ONE, 2016, 11, e0159603.	1.1	16
165	Host biotin is required for liver stage development in malaria parasites. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2604-E2613.	3.3	16
166	A GFP-Actin reporter line to explore microfilament dynamics across the malaria parasite lifecycle. Molecular and Biochemical Parasitology, 2012, 182, 93-96.	0.5	15
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