

Geoffrey I Mcfadden

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Plasmodium falciparum LipB mutants display altered redox and carbon metabolism in asexual stages and cannot complete sporogony in Anopheles mosquitoes. <i>International Journal for Parasitology</i> , 2021 , 51, 441-453 | 4.3 | 2 |
| 199 | Hsp90 contains a natural immunogenic I-A-restricted antigen common to rodent and human species.. <i>Current Research in Immunology</i> , 2021 , 2, 79-92 | 1 | 0 |
| 198 | Development of Plasmodium-specific liver-resident memory CD8 T cells after heat-killed sporozoite immunization in mice. <i>European Journal of Immunology</i> , 2021 , 51, 1153-1165 | 6.1 | 0 |
| 197 | The cell wall polysaccharides of a photosynthetic relative of apicomplexans, Chromera velia. <i>Journal of Phycology</i> , 2021 , 57, 1805-1809 | 3 | |
| 196 | Optimisation of 2-(N-phenyl carboxamide) triazolopyrimidine antimalarials with moderate to slow acting erythrocytic stage activity. <i>Bioorganic Chemistry</i> , 2021 , 115, 105244 | 5.1 | 2 |
| 195 | A Natural Peptide Antigen within the Plasmodium 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 |
| 194 | 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 |
| 193 | Glycolipid-peptide vaccination induces liver-resident memory CD8 T cells that protect against rodent malaria. <i>Science Immunology</i> , 2020 , 5, | 28 | 19 |
| 192 | Characterization of the apicoplast-localized enzyme UroD in reveals a key role of the apicoplast in heme biosynthesis. <i>Journal of Biological Chemistry</i> , 2020 , 295, 1539-1550 | 5.4 | 11 |
| 191 | A single point mutation in the FtsH1 metalloprotease confers actinonin resistance. <i>ELife</i> , 2020 , 9, | 8.9 | 1 |
| 190 | Retargeting azithromycin analogues to have dual-modality antimalarial activity. <i>BMC Biology</i> , 2020 , 18, 133 | 7.3 | 7 |
| 189 | Alternative splicing is required for stage differentiation in malaria parasites. <i>Genome Biology</i> , 2019 , 20, 151 | 18.3 | 16 |
| 188 | Anti-plasmodial Effects of Zanthoxylum zanthoxyloides. <i>Planta Medica</i> , 2019 , 85, 1073-1079 | 3.1 | 10 |
| 187 | Bed Nets, Insecticides, and Antimalarials: Where to Next?. <i>Trends in Parasitology</i> , 2019 , 35, 668-670 | 6.4 | 1 |
| 186 | Alternative Splicing in Apicomplexan Parasites. <i>MBio</i> , 2019 , 10, | 7.8 | 11 |
| 185 | Plasmodium: More Donors. <i>Trends in Parasitology</i> , 2019 , 35, 4-6 | 6.4 | 3 |
| 184 | Sequential Membrane Rupture and Vesiculation during Plasmodium berghei Gametocyte Egress from the Red Blood Cell. <i>Scientific Reports</i> , 2018 , 8, 3543 | 4.9 | 16 |

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|-----|--|------|-----|
| 183 | Host biotin is required for liver stage development in malaria parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2604-E2613 | 11.5 | 8 |
| 182 | A genetic screen in rodent malaria parasites identifies five new apicoplast putative membrane transporters, one of which is essential in human malaria parasites. <i>Cellular Microbiology</i> , 2018 , 20, e127839 | 3.9 | 10 |
| 181 | Isolating the Plasmodium falciparum Apicoplast Using Magnetic Beads. <i>Methods in Molecular Biology</i> , 2018 , 1829, 205-212 | 1.4 | |
| 180 | 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 |
| 179 | Genome of tiny predator with big appetite. <i>BMC Biology</i> , 2018 , 16, 140 | 7.3 | 1 |
| 178 | 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 |
| 177 | Characterization of the Plasmodium falciparum and P. berghei 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 |
| 176 | Evolution: Of X-Cells and X-Men. <i>Current Biology</i> , 2017 , 27, R408-R409 | 6.3 | |
| 175 | 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 |
| 174 | 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 |
| 173 | The cryptomonad nucleomorph. <i>Protoplasma</i> , 2017 , 254, 1903-1907 | 3.4 | 4 |
| 172 | Functional Profiling of a Plasmodium Genome Reveals an Abundance of Essential Genes. <i>Cell</i> , 2017 , 170, 260-272.e8 | 56.2 | 277 |
| 171 | The apicoplast: now you see it, now you don't. <i>International Journal for Parasitology</i> , 2017 , 47, 137-144 | 4.3 | 61 |
| 170 | Is the Mitochondrion a Good Malaria Drug Target?. <i>Trends in Parasitology</i> , 2017 , 33, 185-193 | 6.4 | 34 |
| 169 | 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. <i>PLoS Pathogens</i> , 2017 , 13, e1006396 | 7.6 | 20 |
| 168 | Natural products from Zanthoxylum heitzii with potent activity against the malaria parasite. <i>Malaria Journal</i> , 2016 , 15, 481 | 3.6 | 12 |
| 167 | Targeting Protein Translation in Organelles of the Apicomplexa. <i>Trends in Parasitology</i> , 2016 , 32, 953-965. | 5.4 | 25 |
| 166 | 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 |

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|-----|--|------|-----|
| 165 | Plasmodium falciparum Rab1A Localizes to Rhoptries in Schizonts. <i>PLoS ONE</i> , 2016 , 11, e0158174 | 3.7 | 9 |
| 164 | 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 |
| 163 | Targeting of a Transporter to the Outer Apicoplast Membrane in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>PLoS ONE</i> , 2016 , 11, e0159603 | 3.7 | 14 |
| 162 | Parasites resistant to the antimalarial atovaquone fail to transmit by mosquitoes. <i>Science</i> , 2016 , 352, 349-53 | 33.3 | 84 |
| 161 | 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 |
| 160 | The Import of Proteins into the Mitochondrion of <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2016 , 291, 19335-50 | 5.4 | 32 |
| 159 | Fatty acid metabolism in the <i>Plasmodium</i> apicoplast: Drugs, doubts and knockouts. <i>Molecular and Biochemical Parasitology</i> , 2015 , 199, 34-50 | 1.9 | 55 |
| 158 | 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 |
| 157 | Macrolides rapidly inhibit red blood cell invasion by the human malaria parasite, <i>Plasmodium falciparum</i> . <i>BMC Biology</i> , 2015 , 13, 52 | 7.3 | 45 |
| 156 | Mitochondrial ATP synthase is dispensable in blood-stage <i>Plasmodium berghei</i> 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 |
| 155 | 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 |
| 154 | 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 |
| 153 | Apicoplast acetyl Co-A carboxylase of the human malaria parasite is not targeted by cyclohexanedione herbicides. <i>International Journal for Parasitology</i> , 2014 , 44, 285-9 | 4.3 | 9 |
| 152 | Origin and evolution of plastids and photosynthesis in eukaryotes. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6, a016105 | 10.2 | 56 |
| 151 | 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 |
| 150 | Synthesis and antimalarial activity of prodigiosenes. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4132-43 | 3.9 | 35 |
| 149 | Characterization of the chloroquine resistance transporter homologue in <i>Toxoplasma gondii</i> . <i>Eukaryotic Cell</i> , 2014 , 13, 1360-70 | | 12 |
| 148 | Apicoplast. <i>Current Biology</i> , 2014 , 24, R262-3 | 6.3 | 10 |

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|-----|--|------|-----|
| 147 | Ycf93 (Orf105), a small apicoplast-encoded membrane protein in the relict plastid of the malaria parasite <i>Plasmodium falciparum</i> that is conserved in Apicomplexa. <i>PLoS ONE</i> , 2014 , 9, e91178 | 3.7 | 16 |
| 146 | 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 |
| 145 | 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 |
| 144 | Quantitative analysis of <i>Plasmodium</i> 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 |
| 143 | From the genome to the phenome: tools to understand the basic biology of <i>Plasmodium falciparum</i> . <i>Journal of Eukaryotic Microbiology</i> , 2014 , 61, 655-71 | 3.6 | 7 |
| 142 | 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 |
| 141 | The metabolic roles of the endosymbiotic organelles of <i>Toxoplasma</i> and <i>Plasmodium</i> spp. <i>Current Opinion in Microbiology</i> , 2013 , 16, 452-8 | 7.9 | 76 |
| 140 | Targeting apicoplasts in malaria parasites. <i>Expert Opinion on Therapeutic Targets</i> , 2013 , 17, 167-77 | 6.4 | 40 |
| 139 | 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 |
| 138 | Chemobiosynthesis of new antimalarial macrolides. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 907-13 | 5.9 | 12 |
| 137 | Characterization of TtALV2, an essential charged repeat motif protein of the <i>Tetrahymena thermophila</i> membrane skeleton. <i>Eukaryotic Cell</i> , 2013 , 12, 932-40 | | 16 |
| 136 | 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 |
| 135 | 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 |
| 134 | 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 |
| 133 | Malaria parasite colonisation of the mosquito midgut--placing the <i>Plasmodium</i> ookinete centre stage. <i>International Journal for Parasitology</i> , 2012 , 42, 519-27 | 4.3 | 48 |
| 132 | Plasmodia - don@. <i>Trends in Parasitology</i> , 2012 , 28, 306 | 6.4 | 4 |
| 131 | A GFP-actin reporter line to explore microfilament dynamics across the malaria parasite lifecycle. <i>Molecular and Biochemical Parasitology</i> , 2012 , 182, 93-6 | 1.9 | 14 |
| 130 | Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. <i>Nature</i> , 2012 , 492, 59-65 | 50.4 | 304 |

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|-----|---|------|-----|
| 129 | 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 |
| 128 | Plasmodium falciparum apicoplast drugs: targets or off-targets?. <i>Chemical Reviews</i> , 2012 , 112, 1269-83 | 68.1 | 66 |
| 127 | The use and abuse of heme in apicomplexan parasites. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 634-56 | 56.4 | 52 |
| 126 | Spatial localisation of actin filaments across developmental stages of the malaria parasite. <i>PLoS ONE</i> , 2012 , 7, e32188 | 3.7 | 58 |
| 125 | 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 |
| 124 | Antimalarial activity of the anticancer histone deacetylase inhibitor SB939. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 3849-56 | 5.9 | 63 |
| 123 | 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 |
| 122 | The apicoplast. <i>Protoplasma</i> , 2011 , 248, 641-50 | 3.4 | 68 |
| 121 | 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 |
| 120 | Apicoplast isoprenoid precursor synthesis and the molecular basis of fosmidomycin resistance in Toxoplasma gondii. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1547-59 | 16.6 | 112 |
| 119 | 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 |
| 118 | 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 |
| 117 | Malaria, Plasmodium falciparum and its apicoplast. <i>Biochemical Society Transactions</i> , 2010 , 38, 775-82 | 5.1 | 44 |
| 116 | The evolution of organellar metabolism in unicellular eukaryotes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 693-8 | 5.8 | 4 |
| 115 | Membrane protein SMP-1 is required for normal flagellum function in Leishmania. <i>Journal of Cell Science</i> , 2010 , 123, 544-54 | 5.3 | 30 |
| 114 | The Clp chaperones and proteases of the human malaria parasite Plasmodium falciparum. <i>Journal of Molecular Biology</i> , 2010 , 404, 456-77 | 6.5 | 61 |
| 113 | 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 |
| 112 | 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 |

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| 111 | Dimeric cyclohexane-1,3-dione oximes inhibit wheat acetyl-CoA carboxylase and show anti-malarial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 4611-3 | 2.9 | 11 |
| 110 | New proteins in the apicoplast membranes: time to rethink apicoplast protein targeting. <i>Trends in Parasitology</i> , 2009 , 25, 197-200 | 6.4 | 32 |
| 109 | Organelle division: dynamin-related proteins in apicomplexans. <i>Current Biology</i> , 2009 , 19, R334-6 | 6.3 | 2 |
| 108 | Characterization of two putative protein translocation components in the apicoplast of <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2009 , 8, 1146-54 | | 75 |
| 107 | Apicoplast and mitochondrion in gametocytogenesis of <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2009 , 8, 128-32 | | 73 |
| 106 | Gamete fusion: key protein identified. <i>Current Biology</i> , 2008 , 18, R571-3 | 6.3 | 4 |
| 105 | Plastid evolution. <i>Annual Review of Plant Biology</i> , 2008 , 59, 491-517 | 30.7 | 500 |
| 104 | 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 |
| 103 | Leishmania 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 |
| 102 | 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 |
| 101 | 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 |
| 100 | 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 |
| 99 | The mother of all parasites. <i>Future Microbiology</i> , 2008 , 3, 391-395 | 2.9 | 37 |
| 98 | Protein targeting to the malaria parasite plastid. <i>Traffic</i> , 2008 , 9, 166-75 | 5.7 | 59 |
| 97 | Illuminating <i>Plasmodium falciparum</i> -infected red blood cells. <i>Trends in Parasitology</i> , 2007 , 23, 268-77 | 6.4 | 46 |
| 96 | 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 |
| 95 | 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 |
| 94 | Inhibition of dendritic cell maturation by malaria is dose dependent and does not require <i>Plasmodium falciparum</i> erythrocyte membrane protein 1. <i>Infection and Immunity</i> , 2007 , 75, 3621-32 | 3.7 | 77 |

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|----|---|------|-----|
| 93 | Fatty acid biosynthesis as a drug target in apicomplexan parasites. <i>Current Drug Targets</i> , 2007 , 8, 15-30 | 3 | 71 |
| 92 | A mitochondrial protein affects cell morphology, mitochondrial segregation and virulence in <i>Leishmania</i> . <i>International Journal for Parasitology</i> , 2006 , 36, 1499-514 | 4.3 | 18 |
| 91 | An Australian network to support the understanding and control of parasites. <i>Trends in Parasitology</i> , 2006 , 22, 97-9 | 6.4 | |
| 90 | N-terminal positively charged amino acids, but not their exact position, are important for apicoplast transit peptide fidelity in <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 2006 , 150, 192-200 | 1.9 | 45 |
| 89 | Differential gene transfers and gene duplications in primary and secondary endosymbioses. <i>BMC Evolutionary Biology</i> , 2006 , 6, 38 | 3 | 5 |
| 88 | 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 |
| 87 | 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 |
| 86 | Protein targeting to destinations of the secretory pathway in the malaria parasite <i>Plasmodium falciparum</i> . <i>Current Opinion in Microbiology</i> , 2006 , 9, 381-7 | 7.9 | 41 |
| 85 | Metabolic maps and functions of the <i>Plasmodium</i> mitochondrion. <i>FEMS Microbiology Reviews</i> , 2006 , 30, 596-630 | 15.1 | 183 |
| 84 | 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 |
| 83 | Sodium-dependent uptake of inorganic phosphate by the intracellular malaria parasite. <i>Nature</i> , 2006 , 443, 582-5 | 50.4 | 77 |
| 82 | The human malaria parasite <i>Plasmodium falciparum</i> possesses two distinct dihydrolipoamide dehydrogenases. <i>Molecular Microbiology</i> , 2005 , 55, 27-38 | 4.1 | 63 |
| 81 | 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 |
| 80 | 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 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | Evolutionary pressures on apicoplast transit peptides. <i>Molecular Biology and Evolution</i> , 2004 , 21, 2183-94 | 3 | 68 |

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|----|---|------|------|
| 75 | Tropical infectious diseases: metabolic maps and functions of the Plasmodium falciparum apicoplast. <i>Nature Reviews Microbiology</i> , 2004 , 2, 203-16 | 22.2 | 493 |
| 74 | Localization of organellar proteins in Plasmodium falciparum 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 |
| 73 | More plastids in human parasites?. <i>Trends in Parasitology</i> , 2004 , 20, 54-7 | 6.4 | 17 |
| 72 | Evolution: red algal genome affirms a common origin of all plastids. <i>Current Biology</i> , 2004 , 14, R514-6 | 6.3 | 195 |
| 71 | Diatom genomics: genetic acquisitions and mergers. <i>Current Biology</i> , 2004 , 14, R1048-50 | 6.3 | 24 |
| 70 | A type II pathway for fatty acid biosynthesis presents drug targets in Plasmodium falciparum. <i>Antimicrobial Agents and Chemotherapy</i> , 2003 , 47, 297-301 | 5.9 | 151 |
| 69 | Plastids, mitochondria, and hydrogenosomes 2003 , 277-294 | | 3 |
| 68 | Phenotypic variation of Plasmodium falciparum merozoite proteins directs receptor targeting for invasion of human erythrocytes. <i>EMBO Journal</i> , 2003 , 22, 1047-57 | 13 | 219 |
| 67 | Dissecting apicoplast targeting in the malaria parasite Plasmodium falciparum. <i>Science</i> , 2003 , 299, 705-833,3 | | 391 |
| 66 | Properties and prediction of mitochondrial transit peptides from Plasmodium falciparum. <i>Molecular and Biochemical Parasitology</i> , 2003 , 132, 59-66 | 1.9 | 105 |
| 65 | The apicoplast: a plastid in Plasmodium falciparum and other Apicomplexan parasites. <i>International Review of Cytology</i> , 2003 , 224, 57-110 | | 134 |
| 64 | Comment on "A green algal apicoplast ancestor". <i>Science</i> , 2003 , 301, 49; author reply 49 | 33.3 | 30 |
| 63 | Dynamins: 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 |
| 62 | Comment on "A Green Algal Apicoplast Ancestor". <i>Science</i> , 2003 , 301, 49a-49 | 33.3 | 62 |
| 61 | CRYPTOMONAD EVOLUTION: NUCLEAR 18S rDNA PHYLOGENY VERSUS CELL MORPHOLOGY AND PIGMENTATION1. <i>Journal of Phycology</i> , 2002 , 38, 1236-1244 | 3 | 71 |
| 60 | Genome sequence of the human malaria parasite Plasmodium falciparum. <i>Nature</i> , 2002 , 419, 498-511 | 50.4 | 3336 |
| 59 | Jam packed genomes--a preliminary, comparative analysis of nucleomorphs. <i>Genetica</i> , 2002 , 115, 13-28 | 1.5 | 64 |
| 58 | Independent translocation of two micronemal proteins in developing Plasmodium falciparum merozoites. <i>Infection and Immunity</i> , 2002 , 70, 5751-8 | 3.7 | 137 |

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|----|--|------|-----|
| 57 | 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 |
| 56 | PRIMARY AND SECONDARY ENDOSYMBIOSIS AND THE ORIGIN OF PLASTIDS. <i>Journal of Phycology</i> , 2001 , 37, 951-959 | 3 | 296 |
| 55 | 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 |
| 54 | Chloroplast origin and integration. <i>Plant Physiology</i> , 2001 , 125, 50-3 | 6.6 | 113 |
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