

# Cyrille Y BottÃ©

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3470623/publications.pdf>

Version: 2024-02-01

46  
papers

1,831  
citations

304602

22  
h-index

302012

39  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2281  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                    | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Artemisinin-independent inhibitory activity of <i>Artemisia</i> sp. infusions against different <i>Plasmodium</i> stages including relapse-causing hypnozoites. <i>Life Science Alliance</i> , 2022, 5, e202101237.        | 1.3 | 9         |
| 2  | Fatty Acid Profiles of <i>Leishmania major</i> Derived from Human and Rodent Hosts in Endemic Cutaneous Leishmaniasis Areas of Tunisia and Algeria. <i>Pathogens</i> , 2022, 11, 92.                                       | 1.2 | 5         |
| 3  | The flexibility of Apicomplexa parasites in lipid metabolism. <i>PLoS Pathogens</i> , 2022, 18, e1010313.                                                                                                                  | 2.1 | 19        |
| 4  | PI4 kinase and PfCDPK7 signaling regulate phospholipid biosynthesis in <i>Plasmodium falciparum</i> . <i>EMBO Reports</i> , 2022, 23, e54022.                                                                              | 2.0 | 9         |
| 5  | <i>Toxoplasma</i> metabolic flexibility in different growth conditions. <i>Trends in Parasitology</i> , 2022, 38, 775-790.                                                                                                 | 1.5 | 14        |
| 6  | Disrupting the plastidic iron-sulfur cluster biogenesis pathway in <i>Toxoplasma gondii</i> has pleiotropic effects irreversibly impacting parasite viability. <i>Journal of Biological Chemistry</i> , 2022, 298, 102243. | 1.6 | 13        |
| 7  | Protein kinase TgCDPK7 regulates vesicular trafficking and phospholipid synthesis in <i>Toxoplasma gondii</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009325.                                                                | 2.1 | 22        |
| 8  | The Trypanosome UDP-Glucose Pyrophosphorylase Is Imported by Piggybacking into Glycosomes, Where Unconventional Sugar Nucleotide Synthesis Takes Place. <i>MBio</i> , 2021, 12, e0037521.                                  | 1.8 | 4         |
| 9  | <i>Toxoplasma</i> LIPIN is essential in channeling host lipid fluxes through membrane biogenesis and lipid storage. <i>Nature Communications</i> , 2021, 12, 2813.                                                         | 5.8 | 17        |
| 10 | 2-Phenoxy-3-Trichloromethylquinoxalines Are Antiplasmodial Derivatives with Activity against the Apicoplast of <i>Plasmodium falciparum</i> . <i>Pharmaceuticals</i> , 2021, 14, 724.                                      | 1.7 | 5         |
| 11 | An essential vesicular-trafficking phospholipase mediates neutral lipid synthesis and contributes to hemozoin formation in <i>Plasmodium falciparum</i> . <i>BMC Biology</i> , 2021, 19, 159.                              | 1.7 | 22        |
| 12 | Antiplasmodial 2-thiophenoxy-3-trichloromethyl quinoxalines target the apicoplast of <i>Plasmodium falciparum</i> . <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113722.                                    | 2.6 | 4         |
| 13 | A patatin-like phospholipase functions during gametocyte induction in the malaria parasite <i>Plasmodium falciparum</i> . <i>Cellular Microbiology</i> , 2020, 22, e13146.                                                 | 1.1 | 21        |
| 14 | Prebiotic role of softwood hemicellulose in healthy mice model. <i>Journal of Functional Foods</i> , 2020, 64, 103688.                                                                                                     | 1.6 | 20        |
| 15 | The Trypanosoma Brucei KIFC1 Kinesin Ensures the Fast Antibody Clearance Required for Parasite Infectivity. <i>IScience</i> , 2020, 23, 101476.                                                                            | 1.9 | 6         |
| 16 | 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.                         | 2.9 | 39        |
| 17 | Biochemistry and metabolism of <i>Toxoplasma gondii</i> : lipid synthesis and uptake. , 2020, , 367-395.                                                                                                                   |     | 1         |
| 18 | An apically located hybrid guanylate cyclase-ATPase is critical for the initiation of Ca <sup>2+</sup> signaling and motility in <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 8959-8972. | 1.6 | 37        |

| #  | ARTICLE                                                                                                                                                                                                                                          | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Toxoplasma gondii acetyl-CoA synthetase is involved in fatty acid elongation (of long fatty acid) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10                                                                                                          | 2.0 | 29        |
| 20 | Specific Targeting of Plant and Apicomplexa Parasite Tubulin through Differential Screening Using In Silico and Assay-Based Approaches. International Journal of Molecular Sciences, 2018, 19, 3085.                                             | 1.8 | 10        |
| 21 | Protein kinase A negatively regulates Ca <sup>2+</sup> signalling in Toxoplasma gondii. PLoS Biology, 2018, 16, e2005642.                                                                                                                        | 2.6 | 65        |
| 22 | Isolating the Plasmodium falciparum Apicoplast Using Magnetic Beads. Methods in Molecular Biology, 2018, 1829, 205-212.                                                                                                                          | 0.4 | 1         |
| 23 | Complex Endosymbioses II: The Nonphotosynthetic Plastid of Apicomplexa Parasites (The Apicoplast) and Its Integrated Metabolism. Methods in Molecular Biology, 2018, 1829, 37-54.                                                                | 0.4 | 3         |
| 24 | Characterization of the <i>Plasmodium falciparum</i> and <i>P. berghei</i> glycerol 3- $\alpha$ -phosphate acyltransferase involved in FASII fatty acid utilization in the malaria parasite apicoplast. Cellular Microbiology, 2017, 19, e12633. | 1.1 | 25        |
| 25 | TgPL2, a patatin-like phospholipase domain-containing protein, is involved in the maintenance of apicoplast lipids homeostasis in <i>Toxoplasma</i>. Molecular Microbiology, 2017, 105, 158-174.                                                 | 1.2 | 20        |
| 26 | Modifications at K31 on the lateral surface of histone H4 contribute to genome structure and expression in apicomplexan parasites. ELife, 2017, 6, .                                                                                             | 2.8 | 29        |
| 27 | Phosphatidic Acid-Mediated Signaling Regulates Microneme Secretion in Toxoplasma. Cell Host and Microbe, 2016, 19, 349-360.                                                                                                                      | 5.1 | 147       |
| 28 | 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        |
| 29 | Fatty acid metabolism in the Plasmodium apicoplast: Drugs, doubts and knockouts. Molecular and Biochemical Parasitology, 2015, 199, 34-50.                                                                                                       | 0.5 | 82        |
| 30 | Coupling of lysosomal and mitochondrial membrane permeabilization in trypanolysis by APOL1. Nature Communications, 2015, 6, 8078.                                                                                                                | 5.8 | 95        |
| 31 | Evolution of galactoglycerolipid biosynthetic pathways – From cyanobacteria to primary plastids and from primary to secondary plastids. Progress in Lipid Research, 2014, 54, 68-85.                                                             | 5.3 | 118       |
| 32 | Plastids with or without galactoglycerolipids. Trends in Plant Science, 2014, 19, 71-78.                                                                                                                                                         | 4.3 | 23        |
| 33 | Discovery of Compounds Blocking the Proliferation of Toxoplasma gondii and Plasmodium falciparum in a Chemical Space Based on Piperidinyl-Benzimidazolone Analogs. Antimicrobial Agents and Chemotherapy, 2014, 58, 2586-2597.                   | 1.4 | 9         |
| 34 | Lipid Profile Remodeling in Response to Nitrogen Deprivation in the Microalgae Chlorella sp. (Trebouxiophyceae) and Nannochloropsis sp. (Eustigmatophyceae). PLoS ONE, 2014, 9, e103389.                                                         | 1.1 | 117       |
| 35 | 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       |
| 36 | Galvestine-1, a novel chemical probe for the study of the glycerolipid homeostasis system in plant cells. Molecular BioSystems, 2012, 8, 2023.                                                                                                   | 2.9 | 34        |

| #  | ARTICLE                                                                                                                                                                                                     | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Plasmodium falciparum Apicoplast Drugs: Targets or Off-Targets?. Chemical Reviews, 2012, 112, 1269-1283.                                                                                                    | 23.0 | 81        |
| 38 | Role of phosphatidic acid in plant galactolipid synthesis. Biochimie, 2012, 94, 86-93.                                                                                                                      | 1.3  | 68        |
| 39 | The therapeutic potential of metal-based antimalarial agents: Implications for the mechanism of action. Dalton Transactions, 2012, 41, 6335.                                                                | 1.6  | 113       |
| 40 | The apicoplast: a key target to cure malaria. Current Pharmaceutical Design, 2012, 18, 3490-504.                                                                                                            | 0.9  | 20        |
| 41 | Chemical inhibitors of monogalactosyldiacylglycerol synthases in Arabidopsis thaliana. Nature Chemical Biology, 2011, 7, 834-842.                                                                           | 3.9  | 74        |
| 42 | 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        |
| 43 | Enhanced Antimalarial Activity of Novel Synthetic Aculeatin Derivatives. Journal of Medicinal Chemistry, 2008, 51, 4870-4873.                                                                               | 2.9  | 31        |
| 44 | Subcellular localization and dynamics of a digalactolipid-like epitope in Toxoplasma gondii. Journal of Lipid Research, 2008, 49, 746-762.                                                                  | 2.0  | 27        |
| 45 | Lipidomic Analysis of <i>Toxoplasma gondii</i> Reveals Unusual Polar Lipids. Biochemistry, 2007, 46, 13882-13890.                                                                                           | 1.2  | 70        |
| 46 | Molecular Modeling and Site-directed Mutagenesis of Plant Chloroplast Monogalactosyldiacylglycerol Synthase Reveal Critical Residues for Activity. Journal of Biological Chemistry, 2005, 280, 34691-34701. | 1.6  | 38        |