# Adele M Lehane

List of Publications by Year
in descending order



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|---|---|---|---|
| 38 papers | 2,032 citations | 279798 23 h-index | 330143 37 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 2898 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763. | 4.7 | 244 |
| 2 | PfCRT and its role in antimalarial drug resistance. Trends in Parasitology, 2012, 28, 504-514. | 3.3 | 223 |
| 3 | Globally prevalent PfMDR1 mutations modulate Plasmodium falciparum susceptibility to artemisinin-based combination therapies. Nature Communications, 2016, 7, 11553. | 12.8 | 208 |
| 4 | (+)-SJ733, a clinical candidate for malaria that acts through ATP4 to induce rapid host-mediated clearance of Plasmodium. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5455-62. | 7.1 | 199 |
| 5 | Common dietary flavonoids inhibit the growth of the intraerythrocytic malaria parasite. BMC Research Notes, 2008, 1, 26. | 1.4 | 122 |
| 6 | Diverse chemotypes disrupt ion homeostasis in the malaria parasite. Molecular Microbiology, 2014, 94, 327-339. | 2.5 | 79 |
| 7 | Membrane transport in the malaria parasite and its host erythrocyte. Biochemical Journal, 2014, 457, 1-18. | 3.7 | 70 |
| 8 | Protein kinase A negatively regulates Ca2+ signalling in Toxoplasma gondii. PLoS Biology, 2018, 16, e2005642. | 5.6 | 65 |
| 9 | A lactate and formate transporter in the intraerythrocytic malaria parasite, Plasmodium falciparum. Nature Communications, 2015, 6, 6721. | 12.8 | 56 |
| 10 | A verapamil-sensitive chloroquine-associated H+ leak from the digestive vacuole in chloroquine-resistant malaria parasites. Journal of Cell Science, 2008, 121, 1624-1632. | 2.0 | 51 |
| 11 | Choline uptake into the malaria parasite is energized by the membrane potential. Biochemical and Biophysical Research Communications, 2004, 320, 311-317. | 2.1 | 50 |
| 12 | Balancing drug resistance and growth rates via compensatory mutations in the <scp>P</scp>lasmodium falciparum chloroquine resistance transporter. Molecular Microbiology, 2015, 97, 381-395. | 2.5 | 47 |
| 13 | Chloroquine Resistance-Conferring Mutations in pfcrt Give Rise to a Chloroquine-Associated H <sup>+</sup> Leak from the Malaria Parasite's Digestive Vacuole. Antimicrobial Agents and Chemotherapy, 2008, 52, 4374-4380. | 3.2 | 46 |
| 14 | Biochemical and Structural Characterization of Selective Allosteric Inhibitors of the Plasmodium falciparum Drug Target, Prolyl-tRNA-synthetase. ACS Infectious Diseases, 2017, 3, 34-44. | 3.8 | 45 |
| 15 | Efflux of a range of antimalarial drugs and â€˜chloroquine resistance reversersâ€™ from the digestive vacuole in malaria parasites with mutant PfCRT. Molecular Microbiology, 2010, 77, 1039-1051. | 2.5 | 39 |
| 16 | Degrees of chloroquine resistance in Plasmodium â€“ Is the redox system involved?. International Journal for Parasitology: Drugs and Drug Resistance, 2012, 2, 47-57. | 3.4 | 37 |
| 17 | The Malaria Parasite's Lactate Transporter PfFNT Is the Target of Antiplasmodial Compounds Identified in Whole Cell Phenotypic Screens. PLoS Pathogens, 2017, 13, e1006180. | 4.7 | 37 |
| 18 | Diverse antimalarials from whole-cell phenotypic screens disrupt malaria parasite ion and volume homeostasis. Scientific Reports, 2018, 8, 8795. | 3.3 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quinine Dimers Are Potent Inhibitors of the Plasmodium falciparum Chloroquine Resistance Transporter and Are Active against Quinoline-Resistant P. falciparum. ACS Chemical Biology, 2014, 9, 722-730. | 3.4 | 34 |
| 20 | Cell Swelling Induced by the Antimalarial KAE609 (Cipargamin) and Other PfATP4-Associated Antimalarials. Antimicrobial Agents and Chemotherapy, 2018, 62, . | 3.2 | 33 |
| 21 | Biochemical characterization and chemical inhibition of PfATP4-associated Na+-ATPase activity in Plasmodium falciparum membranes. Journal of Biological Chemistry, 2018, 293, 13327-13337. | 3.4 | 32 |
| 22 | Molecular Mechanisms for Drug Hypersensitivity Induced by the Malaria Parasiteâ€™s Chloroquine Resistance Transporter. PLoS Pathogens, 2016, 12, e1005725. | 4.7 | 29 |
| 23 | Bacteriophage-encoded glucosyltransferase GtrII of Shigella flexneri: membrane topology and identification of critical residues. Biochemical Journal, 2005, 389, 137-143. | 3.7 | 27 |
| 24 | A forward genetic screen identifies a negative regulator of rapid Ca2+-dependent cell egress (MS1) in the intracellular parasite Toxoplasma gondii. Journal of Biological Chemistry, 2017, 292, 7662-7674. | 3.4 | 27 |
| 25 | 1H-NMR metabolite profiles of different strains of Plasmodium falciparum. Bioscience Reports, 2014, 34, e00150. | 2.4 | 22 |
| 26 | Verapamil-Sensitive Transport of Quinacrine and Methylene Blue via thePlasmodium falciparumChloroquine Resistance Transporter Reduces the Parasite's Susceptibility to these Tricyclic Drugs. Journal of Infectious Diseases, 2016, 213, 800-810. | 4.0 | 22 |
| 27 | A 4-cyano-3-methylisoquinoline inhibitor of Plasmodium falciparum growth targets the sodium efflux pump PfATP4. Scientific Reports, 2019, 9, 10292. | 3.3 | 20 |
| 28 | Feedback Inhibition of Pantothenate Kinase Regulates Pantothenol Uptake by the Malaria Parasite. Journal of Biological Chemistry, 2007, 282, 25395-25405. | 3.4 | 19 |
| 29 | Chlorpheniramine Analogues Reverse Chloroquine Resistance in Plasmodium falciparum by Inhibiting PfCRT. ACS Medicinal Chemistry Letters, 2014, 5, 576-581. | 2.8 | 18 |
| 30 | Characterization of the ATP4 ion pump in Toxoplasma gondii. Journal of Biological Chemistry, 2019, 294, 5720-5734. | 3.4 | 18 |
| 31 | Differential Drug Efflux or Accumulation Does Not Explain Variation in the Chloroquine Response of Plasmodium falciparum Strains Expressing the Same Isoform of Mutant PfCRT. Antimicrobial Agents and Chemotherapy, 2011, 55, 2310-2318. | 3.2 | 14 |
| 32 | Defense Peptides Engineered from Human Platelet Factor 4 Kill Plasmodium by Selective Membrane Disruption. Cell Chemical Biology, 2018, 25, 1140-1150.e5. | 5.2 | 13 |
| 33 | Identifying the major lactate transporter of Toxoplasma gondii tachyzoites. Scientific Reports, 2021, 11, 6787. | 3.3 | 10 |
| 34 | Discovery of spirooxadiazoline oxindoles with dual-stage antimalarial activity. European Journal of Medicinal Chemistry, 2022, 236, 114324. | 5.5 | 9 |
| 35 | An Acid-loading Chloride Transport Pathway in the Intraerythrocytic Malaria Parasite, Plasmodium falciparum. Journal of Biological Chemistry, 2010, 285, 18615-18626. | 3.4 | 8 |
| 36 | An Open Drug Discovery Competition: Experimental Validation of Predictive Models in a Series of Novel Antimalarials. Journal of Medicinal Chemistry, 2021, 64, 16450-16463. | 6.4 | 8 |

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|---|---|---|---|
| 37 | A polymorphic drug pump in the malaria parasite. Molecular Microbiology, 2008, 70, 775-779. | 2.5 | 6 |
| 38 | Molecular Markers of Plasmodium Resistance to Antimalarials. , 2011, , 249-280. | | 5 |