

# Darren J Creek

## List of Publications by Year in descending order

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Version: 2024-02-01

128  
papers

6,533  
citations

71004

43  
h-index

90395

73  
g-index

140  
all docs

140  
docs citations

140  
times ranked

9259  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Mass appeal: metabolite identification in mass spectrometry-focused untargeted metabolomics. <i>Metabolomics</i> , 2013, 9, 44-66.  | 1.4 | 452       |
| 2  | Synthetic ozonide drug candidate OZ439 offers new hope for a single-dose cure of uncomplicated malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4400-4405.                                    | 3.3 | 332       |
| 3  | Toward Global Metabolomics Analysis with Hydrophilic Interaction Liquid Chromatographyâ€“Mass Spectrometry: Improved Metabolite Identification by Retention Time Prediction. <i>Analytical Chemistry</i> , 2011, 83, 8703-8710.                           | 3.2 | 326       |
| 4  | IDEOM: an Excel interface for analysis of LCâ€“MS-based metabolomics data. <i>Bioinformatics</i> , 2012, 28, 1048-1049.   | 1.8 | 307       |
| 5  | Metabolite identification: are you sure? And how do your peers gauge your confidence?. <i>Metabolomics</i> , 2014, 10, 350-353.   | 1.4 | 205       |
| 6  | Evaluation of Coupling Reversed Phase, Aqueous Normal Phase, and Hydrophilic Interaction Liquid Chromatography with Orbitrap Mass Spectrometry for Metabolomic Studies of Human Urine. <i>Analytical Chemistry</i> , 2012, 84, 1994-2001.                 | 3.2 | 176       |
| 7  | Stable isotope-labeling studies in metabolomics: new insights into structure and dynamics of metabolic networks. <i>Bioanalysis</i> , 2014, 6, 511-524.   | 0.6 | 171       |
| 8  | A Molecular Mechanism for Eflornithine Resistance in African Trypanosomes. <i>PLoS Pathogens</i> , 2010, 6, e1001204.   | 2.1 | 155       |
| 9  | Stable Isotope-Assisted Metabolomics for Network-Wide Metabolic Pathway Elucidation. <i>Analytical Chemistry</i> , 2012, 84, 8442-8447.   | 3.2 | 132       |
| 10 | Probing the Metabolic Network in Bloodstream-Form <i>Trypanosoma brucei</i> Using Untargeted Metabolomics with Stable Isotope Labelled Glucose. <i>PLoS Pathogens</i> , 2015, 11, e1004689.   | 2.1 | 128       |
| 11 | BCKDH: The Missing Link in Apicomplexan Mitochondrial Metabolism Is Required for Full Virulence of <i>Toxoplasma gondii</i> and <i>Plasmodium berghei</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004263.   | 2.1 | 115       |
| 12 | <i>Acinetobacter baumannii</i> phenylacetic acid metabolism influences infection outcome through a direct effect on neutrophil chemotaxis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9599-9604. | 3.3 | 109       |
| 13 | Relationship between Antimalarial Activity and Heme Alkylation for Spiro- and Dispiro-1,2,4-Trioxolane Antimalarials. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1291-1296.   | 1.4 | 104       |
| 14 | Untargeted Metabolomics Reveals a Lack Of Synergy between Nifurtimox and Eflornithine against <i>Trypanosoma brucei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1618.   | 1.3 | 101       |
| 15 | The Structureâ€“Activity Relationship of the Antimalarial Ozonide Arterolane (OZ277). <i>Journal of Medicinal Chemistry</i> , 2010, 53, 481-491.  | 2.9 | 99        |
| 16 | Iron and heme metabolism in <i>Plasmodium falciparum</i> and the mechanism of action of artemisinins. <i>Current Opinion in Microbiology</i> , 2013, 16, 722-727.   | 2.3 | 99        |
| 17 | <i>Plasmodium falciparum</i> parasites deploy RhopH2 into the host erythrocyte to obtain nutrients, grow and replicate. <i>ELife</i> , 2017, 6, .   | 2.8 | 96        |
| 18 | mzMatchâ€“ISO: an R tool for the annotation and relative quantification of isotope-labelled mass spectrometry data. <i>Bioinformatics</i> , 2013, 29, 281-283.  | 1.8 | 91        |

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|----|--|-----|-----------|
| 19 | Benzimidazole Biotransformation and Multiple Targets in <i>Trypanosoma cruzi</i> Revealed by Metabolomics. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2844.   | 1.3 | 90        |
| 20 | Untargeted metabolomics analysis reveals key pathways responsible for the synergistic killing of colistin and doripenem combination against <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2017, 7, 45527. | 1.6 | 89        |
| 21 | Metabolomics Guides Rational Development of a Simplified Cell Culture Medium for Drug Screening against <i>Trypanosoma brucei</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2768-2779.                  | 1.4 | 88        |
| 22 | Multi-omics Based Identification of Specific Biochemical Changes Associated With PfKelch13-Mutant Artemisinin-Resistant <i>Plasmodium falciparum</i> . <i>Journal of Infectious Diseases</i> , 2017, 215, 1435-1444.     | 1.9 | 84        |
| 23 | Metabolomics-Based Screening of the Malaria Box Reveals both Novel and Established Mechanisms of Action. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6650-6663.   | 1.4 | 82        |
| 24 | Stage-Specific Changes in <i>Plasmodium</i> Metabolism Required for Differentiation and Adaptation to Different Host and Vector Environments. <i>PLoS Pathogens</i> , 2016, 12, e1006094.                                | 2.1 | 82        |
| 25 | Discovery and Validation of Clinical Biomarkers of Cancer: A Review Combining Metabolomics and Proteomics. <i>Proteomics</i> , 2019, 19, e1700448.   | 1.3 | 73        |
| 26 | Metabolic Dysregulation Induced in <i>Plasmodium falciparum</i> by Dihydroartemisinin and Other Front-Line Antimalarial Drugs. <i>Journal of Infectious Diseases</i> , 2016, 213, 276-286.                               | 1.9 | 71        |
| 27 | Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. <i>Nature Communications</i> , 2020, 11, 2894.  | 5.8 | 71        |
| 28 | Host Reticulocytes Provide Metabolic Reservoirs That Can Be Exploited by Malaria Parasites. <i>PLoS Pathogens</i> , 2015, 11, e1004882.  | 2.1 | 67        |
| 29 | An oncogenic role for sphingosine kinase 2. <i>Oncotarget</i> , 2016, 7, 64886-64899.  | 0.8 | 64        |
| 30 | Iron-mediated degradation kinetics of substituted dispiro-1,2,4-trioxolane antimalarials. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 2945-2956.   | 1.6 | 63        |
| 31 | Semi-targeted analysis of metabolites using capillary-flow ion chromatography coupled to high-resolution mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3447-3452.                      | 0.7 | 59        |
| 32 | Alterations of Metabolic and Lipid Profiles in Polymyxin-Resistant <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .  | 1.4 | 58        |
| 33 | Pyrimidine Salvage in <i>Trypanosoma brucei</i> Bloodstream Forms and the Trypanocidal Action of Halogenated Pyrimidines. <i>Molecular Pharmacology</i> , 2013, 83, 439-453.   | 1.0 | 57        |
| 34 | Mesenteric lymphatic dysfunction promotes insulin resistance and represents a potential treatment target in obesity. <i>Nature Metabolism</i> , 2021, 3, 1175-1188.  | 5.1 | 56        |
| 35 | Antimalarial activity of N-alkyl amine, carboxamide, sulfonamide, and urea derivatives of a dispiro-1,2,4-trioxolane piperidine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5542-5545.                | 1.0 | 55        |
| 36 | Glutaminase inhibition impairs CD8 T cell activation in STK11-/Lkb1-deficient lung cancer. <i>Cell Metabolism</i> , 2022, 34, 874-887.e6.  | 7.2 | 55        |

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|----|---|-----|-----------|
| 37 | Metabolomic analysis of trypanosomatid protozoa. <i>Molecular and Biochemical Parasitology</i> , 2012, 181, 73-84.  | 0.5 | 54        |
| 38 | Spiro- and Dispiro-1,2-dioxolanes: Contribution of Iron(II)-Mediated One-Electron vs Two-Electron Reduction to the Activity of Antimalarial Peroxides. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5840-5847.   | 2.9 | 53        |
| 39 | The Development Process for Discovery and Clinical Advancement of Modern Antimalarials. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10526-10562.  | 2.9 | 53        |
| 40 | From Sphingosine Kinase to Dihydroceramide Desaturase: A Structure-Activity Relationship (SAR) Study of the Enzyme Inhibitory and Anticancer Activity of 4-((4-(4-Chlorophenyl)thiazol-2-yl)amino)phenol (SKI-II). <i>Journal of Medicinal Chemistry</i> , 2016, 59, 965-984. | 2.9 | 52        |
| 41 | Comparative Metabolomics and Transcriptomics Reveal Multiple Pathways Associated with Polymyxin Killing in <i>Pseudomonas aeruginosa</i> . <i>MSystems</i> , 2019, 4, .   | 1.7 | 52        |
| 42 | Microbial metabolism of l-tyrosine protects against allergic airway inflammation. <i>Nature Immunology</i> , 2021, 22, 279-286.   | 7.0 | 52        |
| 43 | Pathos: A web facility that uses metabolic maps to display experimental changes in metabolites identified by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3422-3426.   | 0.7 | 49        |
| 44 | Comparison of the Exposure Time Dependence of the Activities of Synthetic Ozonide Antimalarials and Dihydroartemisinin against K13 Wild-Type and Mutant <i>Plasmodium falciparum</i> Strains. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4501-4510.             | 1.4 | 49        |
| 45 | Global metabolic analyses identify key differences in metabolite levels between polymyxin-susceptible and polymyxin-resistant <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2016, 6, 22287.  | 1.6 | 49        |
| 46 | Determination of antiprotozoal drug mechanisms by metabolomics approaches. <i>Parasitology</i> , 2014, 141, 83-92.  | 0.7 | 47        |
| 47 | NormalizeMets: assessing, selecting and implementing statistical methods for normalizing metabolomics data. <i>Metabolomics</i> , 2018, 14, 54.   | 1.4 | 47        |
| 48 | Sulfoxide-Containing Polymer-Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. <i>Advanced Science</i> , 2020, 7, 2000406.   | 5.6 | 43        |
| 49 | Sterol 14 $\alpha$ -demethylase mutation leads to amphotericin B resistance in <i>Leishmania mexicana</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005649.   | 1.3 | 43        |
| 50 | Human plasma proteome association and cytotoxicity of nano-graphene oxide grafted with stealth polyethylene glycol and poly(2-ethyl-2-oxazoline). <i>Nanoscale</i> , 2018, 10, 10863-10875.   | 2.8 | 42        |
| 51 | Kinetics of iron-mediated artemisinin degradation: Effect of solvent composition and iron salt. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1820-1829.  | 1.6 | 41        |
| 52 | Ozonide Antimalarial Activity in the Context of Artemisinin-Resistant Malaria. <i>Trends in Parasitology</i> , 2019, 35, 529-543.   | 1.5 | 40        |
| 53 | An attenuated total reflection (ATR) and Raman spectroscopic investigation into the effects of chloroquine on <i>Plasmodium falciparum</i> -infected red blood cells. <i>Analyst</i> , 2015, 140, 2236-2246.  | 1.7 | 38        |
| 54 | Global Gene Expression Profile of <i>Acinetobacter baumannii</i> During Bacteremia. <i>Journal of Infectious Diseases</i> , 2017, 215, S52-S57.   | 1.9 | 38        |

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|----|--|-----|-----------|
| 55 | TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015, 43, D637-D644.   | 6.5 | 35        |
| 56 | Multi-omics analysis delineates the distinct functions of sub-cellular acetyl-CoA pools in <i>Toxoplasma gondii</i> . <i>BMC Biology</i> , 2020, 18, 67.   | 1.7 | 35        |
| 57 | Benzoxaborole treatment perturbs S-adenosyl-L-methionine metabolism in <i>Trypanosoma brucei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006450.   | 1.3 | 33        |
| 58 | The 2-oxoglutarate cycle is implicated in the detoxification of propionate in <i>Toxoplasma gondii</i> . <i>Molecular Microbiology</i> , 2013, 87, 894-908.  | 1.2 | 32        |
| 59 | Functional and genetic evidence that nucleoside transport is highly conserved in <i>Leishmania</i> species: Implications for pyrimidine-based chemotherapy. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2017, 7, 206-226.             | 1.4 | 32        |
| 60 | Polymyxins Bind to the Cell Surface of Unculturable <i>Acinetobacter baumannii</i> and Cause Unique Dependent Resistance. <i>Advanced Science</i> , 2020, 7, 2000704.  | 5.6 | 31        |
| 61 | Multi-omic Characterization of the Mode of Action of a Potent New Antimalarial Compound, JPC-3210, Against <i>Plasmodium falciparum</i> . <i>Molecular and Cellular Proteomics</i> , 2020, 19, 308-325.  | 2.5 | 30        |
| 62 | Metabolomics-Based Elucidation of Active Metabolic Pathways in Erythrocytes and HSC-Derived Reticulocytes. <i>Journal of Proteome Research</i> , 2017, 16, 1492-1505.  | 1.8 | 29        |
| 63 | Metabolomics and lipidomics reveal perturbation of sphingolipid metabolism by a novel anti-trypanosomal 3-(oxazolo[4,5-b]pyridine-2-yl)anilide. <i>Metabolomics</i> , 2016, 12, 1.   | 1.4 | 28        |
| 64 | Metabolomics Study of the Synergistic Killing of Polymyxin B in Combination with Amikacin against Polymyxin-Susceptible and -Resistant <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 64, .                                    | 1.4 | 28        |
| 65 | Spiroadamantyl 1,2,4-trioxolane, 1,2,4-trioxane, and 1,2,4-trioxepane pairs: Relationship between peroxide bond iron(II) reactivity, heme alkylation efficiency, and antimalarial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4542-4545. | 1.0 | 27        |
| 66 | Anthelmintic closantel enhances bacterial killing of polymyxin B against multidrug-resistant <i>Acinetobacter baumannii</i> . <i>Journal of Antibiotics</i> , 2016, 69, 415-421.   | 1.0 | 27        |
| 67 | Plasma Proteome Association and Catalytic Activity of Stealth Polymer-Grafted Iron Oxide Nanoparticles. <i>Small</i> , 2017, 13, 1701528.  | 5.2 | 27        |
| 68 | Strategies for Extending Metabolomics Studies with Stable Isotope Labelling and Fluxomics. <i>Metabolites</i> , 2016, 6, 32.   | 1.3 | 25        |
| 69 | Reaction hijacking of tyrosine tRNA synthetase as a new whole-of-life-cycle antimalarial strategy. <i>Science</i> , 2022, 376, 1074-1079.  | 6.0 | 25        |
| 70 | Potent Trypanocidal Curcumin Analogs Bearing a Monoenone Linker Motif Act on <i>Trypanosoma brucei</i> by Forming an Adduct with Trypanothione. <i>Molecular Pharmacology</i> , 2015, 87, 451-464.   | 1.0 | 24        |
| 71 | Mutations in the pantothenate kinase of <i>Plasmodium falciparum</i> confer diverse sensitivity profiles to antiplasmodial pantothenate analogues. <i>PLoS Pathogens</i> , 2018, 14, e1006918.   | 2.1 | 24        |
| 72 | System-wide biochemical analysis reveals ozonide antimalarials initially act by disrupting <i>Plasmodium falciparum</i> haemoglobin digestion. <i>PLoS Pathogens</i> , 2020, 16, e1008485.   | 2.1 | 24        |

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|----|---|-----|-----------|
| 73 | Dynamic Protein Corona of Gold Nanoparticles with an Evolving Morphology. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58238-58251.  | 4.0 | 23        |
| 74 | Peroxide Antimalarial Drugs Target Redox Homeostasis in <i>Plasmodium falciparum</i> Infected Red Blood Cells. <i>ACS Infectious Diseases</i> , 2022, 8, 210-226.   | 1.8 | 23        |
| 75 | Stability of Peroxide Antimalarials in the Presence of Human Hemoglobin. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 3496-3500.  | 1.4 | 21        |
| 76 | A high parasite density environment induces transcriptional changes and cell death in <i>Plasmodium falciparum</i> blood stages. <i>FEBS Journal</i> , 2018, 285, 848-870.  | 2.2 | 21        |
| 77 | Comparative Metabolomics Reveals Key Pathways Associated With the Synergistic Killing of Colistin and Sulbactam Combination Against Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>Frontiers in Pharmacology</i> , 2019, 10, 754.  | 1.6 | 21        |
| 78 | Pharmacokinetic Predictors for Recurrent Malaria After Dihydroartemisinin-Piperaquine Treatment of Uncomplicated Malaria in Ugandan Infants. <i>Journal of Infectious Diseases</i> , 2013, 207, 1646-1654.  | 1.9 | 20        |
| 79 | Metabolic Analyses Revealed Time-Dependent Synergistic Killing by Colistin and Aztreonam Combination Against Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2776.   | 1.5 | 20        |
| 80 | Post-Genomic Approaches to Understanding Malaria Parasite Biology: Linking Genes to Biological Functions. <i>ACS Infectious Diseases</i> , 2019, 5, 1269-1278.  | 1.8 | 20        |
| 81 | Measuring Sulforaphane and Its Metabolites in Human Plasma: A High Throughput Method. <i>Molecules</i> , 2020, 25, 829.   | 1.7 | 20        |
| 82 | Ceramide-induced integrated stress response overcomes Bcl-2 inhibitor resistance in acute myeloid leukemia. <i>Blood</i> , 2022, 139, 3737-3751.  | 0.6 | 20        |
| 83 | Mechanistic Insights From Global Metabolomics Studies into Synergistic Bactericidal Effect of a Polymyxin B Combination With Tamoxifen Against Cystic Fibrosis MDR <i>Pseudomonas aeruginosa</i> . <i>Computational and Structural Biotechnology Journal</i> , 2018, 16, 587-599. | 1.9 | 19        |
| 84 | Comparative Antimalarial Activities of Six Pairs of 1,2,4,5-Tetraoxanes (Peroxide Dimers) and 1,2,4,5,7,8-Hexaoxanes (Peroxide Trimers). <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3033-3035.  | 1.4 | 17        |
| 85 | Increased Risk of Early Vomiting among Infants and Young Children Treated with Dihydroartemisinin-Piperaquine Compared with Artemether-Lumefantrine for Uncomplicated Malaria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010, 83, 873-875.                      | 0.6 | 17        |
| 86 | Optimized Method for Untargeted Metabolomics Analysis of MDA-MB-231 Breast Cancer Cells. <i>Metabolites</i> , 2016, 6, 30.  | 1.3 | 17        |
| 87 | Population Pharmacokinetics and Pharmacodynamics of Lumefantrine in Young Ugandan Children Treated With Artemether-Lumefantrine for Uncomplicated Malaria. <i>Journal of Infectious Diseases</i> , 2016, 214, 1243-1251.  | 1.9 | 17        |
| 88 | Parasite-Mediated Degradation of Synthetic Ozonide Antimalarials Impacts <i>In Vitro</i> Antimalarial Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .  | 1.4 | 17        |
| 89 | Synergistic Combination of Polymyxin B and Enrofloxacin Induced Metabolic Perturbations in Extensive Drug-Resistant <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Pharmacology</i> , 2019, 10, 1146.  | 1.6 | 17        |
| 90 | Population Pharmacokinetics of Piperaquine in Young Ugandan Children Treated With Dihydroartemisinin+Piperaquine for Uncomplicated Malaria. <i>Clinical Pharmacology and Therapeutics</i> , 2015, 98, 87-95.  | 2.3 | 16        |

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| 91  | Ozonide Antimalarials Alkylate Heme in the Malaria Parasite <i>Plasmodium falciparum</i> . <i>ACS Infectious Diseases</i> , 2019, 5, 2076-2086.   | 1.8 | 16        |
| 92  | 3,3-Disubstituted 5,5-Bi(1,2,4-triazine) Derivatives with Potent in Vitro and in Vivo Antimalarial Activity. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2485-2498.   | 2.9 | 16        |
| 93  | Sulforaphane Bioavailability and Effects on Blood Pressure in Women with Pregnancy Hypertension. <i>Reproductive Sciences</i> , 2021, 28, 1489-1497.  | 1.1 | 16        |
| 94  | Analytical and Omics-Based Advances in the Study of Drug-Induced Liver Injury. <i>Toxicological Sciences</i> , 2021, 183, 1-13.   | 1.4 | 16        |
| 95  | Metabolomes and Lipidomes of the Infective Stages of the Gastrointestinal nematodes, <i>Nippostrongylus brasiliensis</i> and <i>Trichuris muris</i> . <i>Metabolites</i> , 2020, 10, 446.   | 1.3 | 15        |
| 96  | Key signaling networks are dysregulated in patients with the adipose tissue disorder, lipedema. <i>International Journal of Obesity</i> , 2022, 46, 502-514.  | 1.6 | 15        |
| 97  | Metabolomics continues to expand: highlights from the 2015 metabolomics conference. <i>Metabolomics</i> , 2015, 11, 1036-1040.  | 1.4 | 14        |
| 98  | Synergistic Killing of Polymyxin B in Combination With the Antineoplastic Drug Mitotane Against Polymyxin-Susceptible and -Resistant <i>Acinetobacter baumannii</i> : A Metabolomic Study. <i>Frontiers in Pharmacology</i> , 2018, 9, 359.                                   | 1.6 | 14        |
| 99  | Lipid A profiling and metabolomics analysis of paired polymyxin-susceptible and -resistant MDR <i>Klebsiella pneumoniae</i> clinical isolates from the same patients before and after colistin treatment. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2852-2863. | 1.3 | 14        |
| 100 | Discovery of Potent and Fast-Acting Antimalarial Bis-1,2,4-triazines. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4150-4162.  | 2.9 | 14        |
| 101 | Synergy of the Polymyxin-Chloramphenicol Combination against New Delhi Metallo- $\beta$ -Lactamase-Producing <i>Klebsiella pneumoniae</i> Is Predominately Driven by Chloramphenicol. <i>ACS Infectious Diseases</i> , 2021, 7, 1584-1595.                                    | 1.8 | 14        |
| 102 | A new mass spectral library for high-coverage and reproducible analysis of the <i>Plasmodium falciparum</i> infected red blood cell proteome. <i>GigaScience</i> , 2022, 11, .  | 3.3 | 14        |
| 103 | Retargeting azithromycin analogues to have dual-modality antimalarial activity. <i>BMC Biology</i> , 2020, 18, 133.   | 1.7 | 13        |
| 104 | Ultraviolet/Visible and Near-Infrared Dual Spectroscopic Method for Detection and Quantification of Low-Level Malaria Parasitemia in Whole Blood. <i>Analytical Chemistry</i> , 2021, 93, 13302-13310.  | 3.2 | 13        |
| 105 | Non-canonical metabolic pathways in the malaria parasite detected by isotope tracing metabolomics. <i>Molecular Systems Biology</i> , 2021, 17, e10023.   | 3.2 | 12        |
| 106 | Resensitising proteasome inhibitor-resistant myeloma with sphingosine kinase 2 inhibition. <i>Neoplasia</i> , 2022, 24, 1-11.   | 2.3 | 12        |
| 107 | Comparative metabolomics revealed key pathways associated with the synergistic killing of multidrug-resistant <i>Klebsiella pneumoniae</i> by a bacteriophage-polymyxin combination. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 485-495.           | 1.9 | 12        |
| 108 | Quantum chemical study of the intermediate complex required for iron-mediated reactivity and antimalarial activity of dispiro-1,2,4-trioxolanes. <i>Journal of Molecular Graphics and Modelling</i> , 2008, 27, 394-400.  | 1.3 | 11        |

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|-----|---|-----|-----------|
| 109 | Discovery and development of 2-aminobenzimidazoles as potent antimalarials. <i>European Journal of Medicinal Chemistry</i> , 2021, 221, 113518.   | 2.6 | 11        |
| 110 | Dimeric Artesunate Glycerophosphocholine Conjugate Nano-Assemblies as Slow-Release Antimalarials to Overcome Kelch 13 Mutant Artemisinin Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0206521. | 1.4 | 11        |
| 111 | Stable isotope labeled metabolomics improves identification of novel metabolites and pathways. <i>Bioanalysis</i> , 2013, 5, 1807-1810.   | 0.6 | 10        |
| 112 | Bestatin Induces Specific Changes in <i>Trypanosoma cruzi</i> Dipeptide Pool. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2921-2925.   | 1.4 | 8         |
| 113 | The sphingosine 1-phosphate receptor 2/4 antagonist JTE-013 elicits off-target effects on sphingolipid metabolism. <i>Scientific Reports</i> , 2022, 12, 454.   | 1.6 | 8         |
| 114 | Sphingolipid imbalance and inflammatory effects induced by uremic toxins in heart and kidney cells are reversed by dihydroceramide desaturase 1 inhibition. <i>Toxicology Letters</i> , 2021, 350, 133-142.             | 0.4 | 7         |
| 115 | Cell biological analysis reveals an essential role for Pfcrl2 in erythrocyte invasion by malaria parasites. <i>Communications Biology</i> , 2022, 5, 121.   | 2.0 | 7         |
| 116 | What role can metabolomics play in the discovery and development of new medicines for infectious diseases?. <i>Bioanalysis</i> , 2015, 7, 629-631.  | 0.6 | 6         |
| 117 | $\beta$ -Adrenoceptor regulation of metabolism in U937 derived macrophages. <i>Molecular Omics</i> , 2021, 17, 583-595.   | 1.4 | 6         |
| 118 | Off-label prescribing in the midst of a pandemic: The case of hydroxychloroquine. <i>Australian Journal of General Practice</i> , 2020, 49, .   | 0.3 | 6         |
| 119 | Genetic and pharmacological evidence for kinetic competition between alternative poly(A) sites in yeast. <i>ELife</i> , 2021, 10, .   | 2.8 | 5         |
| 120 | Using the IDEOM Workflow for LCMS-Based Metabolomics Studies of Drug Mechanisms. <i>Methods in Molecular Biology</i> , 2020, 2104, 419-445.   | 0.4 | 5         |
| 121 | The Novel bis-1,2,4-Triazine MIPS-0004373 Demonstrates Rapid and Potent Activity against All Blood Stages of the Malaria Parasite. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0031121.                   | 1.4 | 4         |
| 122 | Chemoresistant Cancer Cell Lines Are Characterized by Migratory, Amino Acid Metabolism, Protein Catabolism and IFN1 Signalling Perturbations. <i>Cancers</i> , 2022, 14, 2763.  | 1.7 | 4         |
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| #   | ARTICLE  | IF  | CITATIONS |
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