# Laura-Isobel McCall

List of Publications by Year
in descending order



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|---|---|---|---|
| 42 papers | 3,216 citations | 411340 20 h-index | 312153 41 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 6112 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enabling Quantitative Analysis of Surface Small Molecules for Exposomics and Behavioral Studies. Journal of the American Society for Mass Spectrometry, 2022, 33, 412-419. | 1.2 | 3 |
| 2 | Chemical Cartography Approaches to Study Trypanosomatid Infection. Journal of Visualized Experiments, 2022, , . | 0.2 | 2 |
| 3 | Identification of Leucinostatins from Ophiocordyceps sp. as Antiparasitic Agents against Trypanosoma cruzi. ACS Omega, 2022, 7, 7675-7682. | 1.6 | 3 |
| 4 | Molecular networking in infectious disease models. Methods in Enzymology, 2022, 663, 341-375. | 0.4 | 1 |
| 5 | Environmental structure impacts microbial composition and secondary metabolism. ISME Communications, 2022, 2, . | 1.7 | 19 |
| 6 | Spatial Metabolomics Reveals Localized Impact of Influenza Virus Infection on the Lung Tissue Metabolome. MSystems, 2022, 7, . | 1.7 | 6 |
| 7 | Quo vadis? Central Rules of Pathogen and Disease Tropism. Frontiers in Cellular and Infection Microbiology, 2021, 11, 640987. | 1.8 | 6 |
| 8 | Tryp-ing Up Metabolism: Role of Metabolic Adaptations in Kinetoplastid Disease Pathogenesis. Infection and Immunity, 2021, 89, . | 1.0 | 9 |
| 9 | Alterations to the Cardiac Metabolome Induced by Chronic T. cruzi Infection Relate to the Degree of Cardiac Pathology. ACS Infectious Diseases, 2021, 7, 1638-1649. | 1.8 | 17 |
| 10 | Dysregulation of Glycerophosphocholines in the Cutaneous Lesion Caused by Leishmania major in Experimental Murine Models. Pathogens, 2021, 10, 593. | 1.2 | 7 |
| 11 | mSphere of Influence: Forgotten Questions. MSphere, 2021, 6, e0052021. | 1.3 | 1 |
| 12 | Central role of metabolism in Trypanosoma cruzi tropism and Chagas disease pathogenesis. Current Opinion in Microbiology, 2021, 63, 204-209. | 2.3 | 9 |
| 13 | Building Natural Product Libraries Using Quantitative Clade-Based and Chemical Clustering Strategies. MSystems, 2021, 6, e0064421. | 1.7 | 3 |
| 14 | Spatial metabolomics identifies localized chemical changes in heart tissue during chronic cardiac Chagas Disease. PLoS Neglected Tropical Diseases, 2021, 15, e0009819. | 1.3 | 18 |
| 15 | Ethical priority of the most actionable system of biomolecules: the metabolome. American Journal of Physical Anthropology, 2020, 171, 177-181. | 2.1 | 10 |
| 16 | Home chemical and microbial transitions across urbanization. Nature Microbiology, 2020, 5, 108-115. | 5.9 | 83 |
| 17 | Insights gained into respiratory infection pathogenesis using lung tissue metabolomics. PLoS Pathogens, 2020, 16, e1008662. | 2.1 | 15 |
| 18 | Mapping of host-parasite-microbiome interactions reveals metabolic determinants of tropism and tolerance in Chagas disease. Science Advances, 2020, 6, eaaz2015. | 4.7 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Feature-based molecular networking in the GNPS analysis environment. Nature Methods, 2020, 17, 905-908. | 9.0 | 650 |
| 20 | ReDU: a framework to find and reanalyze public mass spectrometry data. Nature Methods, 2020, 17, 901-904. | 9.0 | 79 |
| 21 | Local Phenomena Shape Backyard Soil Metabolite Composition. Metabolites, 2020, 10, 86. | 1.3 | 10 |
| 22 | Scaffold and Parasite Hopping: Discovery of New Protozoal Proliferation Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 249-257. | 1.3 | 17 |
| 23 | Analysis of university workplace building surfaces reveals usage-specific chemical signatures. Building and Environment, 2019, 162, 106289. | 3.0 | 6 |
| 24 | A complete Leishmania donovani reference genome identifies novel genetic variations associated with virulence. Scientific Reports, 2018, 8, 16549. | 1.6 | 41 |
| 25 | Metabolomics: Eavesdropping on silent conversations between hosts and their unwelcome guests. PLoS Pathogens, 2018, 14, e1006926. | 2.1 | 11 |
| 26 | Best practices for analysing microbiomes. Nature Reviews Microbiology, 2018, 16, 410-422. | 13.6 | 1,138 |
| 27 | Cysteine proteases in protozoan parasites. PLoS Neglected Tropical Diseases, 2018, 12, e0006512. | 1.3 | 104 |
| 28 | Experimental Chagas disease-induced perturbations of the fecal microbiome and metabolome. PLoS Neglected Tropical Diseases, 2018, 12, e0006344. | 1.3 | 39 |
| 29 | Rapid Chagas Disease Drug Target Discovery Using Directed Evolution in Drug-Sensitive Yeast. ACS Chemical Biology, 2017, 12, 422-434. | 1.6 | 26 |
| 30 | Mass Spectrometry-Based Chemical Cartography of a Cardiac Parasitic Infection. Analytical Chemistry, 2017, 89, 10414-10421. | 3.2 | 35 |
| 31 | Mass Spectrometry-Based Visualization of Molecules Associated with Human Habitats. Analytical Chemistry, 2016, 88, 10775-10784. | 3.2 | 44 |
| 32 | Synthesis and Evaluation of Oxyguanidine Analogues of the Cysteine Protease Inhibitor WRR-483 against Cruzain. ACS Medicinal Chemistry Letters, 2016, 7, 77-82. | 1.3 | 26 |
| 33 | Location, Location, Location: Five Facts about Tissue Tropism and Pathogenesis. PLoS Pathogens, 2016, 12, e1005519. | 2.1 | 31 |
| 34 | Machine Learning Models and Pathway Genome Data Base for Trypanosoma cruzi Drug Discovery. PLoS Neglected Tropical Diseases, 2015, 9, e0003878. | 1.3 | 74 |
| 35 | Adaptation of Leishmania donovani to Cutaneous and Visceral Environments: in Vivo Selection and Proteomic Analysis. Journal of Proteome Research, 2015, 14, 1033-1059. | 1.8 | 20 |
| 36 | Targeting Ergosterol Biosynthesis in Leishmania donovani: Essentiality of Sterol 14alpha-demethylase. PLoS Neglected Tropical Diseases, 2015, 9, e0003588. | 1.3 | 90 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Genetic Analysis of Leishmania donovani Tropism Using a Naturally Attenuated Cutaneous Strain. PLoS Pathogens, 2014, 10, e1004244. | 2.1 | 97 |
| 38 | Determinants of disease phenotype in trypanosomatid parasites. Trends in Parasitology, 2014, 30, 342-349. | 1.5 | 58 |
| 39 | Leishmanization revisited: Immunization with a naturally attenuated cutaneous Leishmania donovani isolate from Sri Lanka protects against visceral leishmaniasis. Vaccine, 2013, 31, 1420-1425. | 1.7 | 38 |
| 40 | Determinants for the Development of Visceral Leishmaniasis Disease. PLoS Pathogens, 2013, 9, e1003053. | 2.1 | 175 |
| 41 | Involvement of the Leishmania donovani virulence factor A2 in protection against heat and oxidative stress. Experimental Parasitology, 2012, 132, 109-115. | 0.5 | 29 |
| 42 | Localization and induction of the A2 virulence factor in Leishmania: evidence that A2 is a stress response protein. Molecular Microbiology, 2010, 77, 518-530. | 1.2 | 60 |