

Emilie Layre

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,547
citations

331670

21
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

2240
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | A Comparative Lipidomics Platform for Chemotaxonomic Analysis of <i>Mycobacterium tuberculosis</i> . <i>Chemistry and Biology</i> , 2011, 18, 1537-1549. | 6.0 | 188 |
| 2 | Mycolic Acids Constitute a Scaffold for Mycobacterial Lipid Antigens Stimulating CD1-Restricted T Cells. <i>Chemistry and Biology</i> , 2009, 16, 82-92. | 6.0 | 148 |
| 3 | COPI acts in both vesicular and tubular transport. <i>Nature Cell Biology</i> , 2011, 13, 996-1003. | 10.3 | 108 |
| 4 | The Polyketide Pks1 Contributes to Biofilm Formation in <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , 2012, 194, 715-721. | 2.2 | 100 |
| 5 | Bee venom processes human skin lipids for presentation by CD1a. <i>Journal of Experimental Medicine</i> , 2015, 212, 149-163. | 8.5 | 98 |
| 6 | Metabolic anticipation in <i>Mycobacterium tuberculosis</i> . <i>Nature Microbiology</i> , 2017, 2, 17084. | 13.3 | 85 |
| 7 | Molecular profiling of <i>Mycobacterium tuberculosis</i> identifies tuberculosinyl nucleoside products of the virulence-associated enzyme Rv3378c. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2978-2983. | 7.1 | 83 |
| 8 | Mycobacterial Metabolic Syndrome: LprG and Rv1410 Regulate Triacylglyceride Levels, Growth Rate and Virulence in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005351. | 4.7 | 79 |
| 9 | Discovery of deoxyceramides and diacylglycerols as CD1b scaffold lipids among diverse groove-blocking lipids of the human CD1 system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19335-19340. | 7.1 | 69 |
| 10 | Rifampin Resistance Mutations Are Associated with Broad Chemical Remodeling of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 14248-14256. | 3.4 | 64 |
| 11 | Lipidomic discovery of deoxysiderophores reveals a revised mycobactin biosynthesis pathway in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1257-1262. | 7.1 | 61 |
| 12 | <i>Mycobacterium tuberculosis</i> releases an antacid that remodels phagosomes. <i>Nature Chemical Biology</i> , 2019, 15, 889-899. | 8.0 | 53 |
| 13 | Protective efficacy of a lipid antigen vaccine in a guinea pig model of tuberculosis. <i>Vaccine</i> , 2017, 35, 1395-1402. | 3.8 | 51 |
| 14 | Deciphering sulfoglycolipids of <i>Mycobacterium tuberculosis</i> . <i>Journal of Lipid Research</i> , 2011, 52, 1098-1110. | 4.2 | 49 |
| 15 | Lipidomic Analysis Links Mycobactin Synthase K to Iron Uptake and Virulence in <i>M. tuberculosis</i> . <i>PLoS Pathogens</i> , 2015, 11, e1004792. | 4.7 | 37 |
| 16 | Cutting Edge: A Naturally Occurring Mutation in CD1e Impairs Lipid Antigen Presentation. <i>Journal of Immunology</i> , 2008, 180, 3642-3646. | 0.8 | 35 |
| 17 | In Vivo Biosynthesis of Terpene Nucleosides Provides Unique Chemical Markers of <i>Mycobacterium tuberculosis</i> Infection. <i>Chemistry and Biology</i> , 2015, 22, 516-526. | 6.0 | 34 |
| 18 | Lysosomal Lipases PLRP2 and LPLA2 Process Mycobacterial Multi-acylated Lipids and Generate T Cell Stimulatory Antigens. <i>Cell Chemical Biology</i> , 2016, 23, 1147-1156. | 5.2 | 32 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Deciphering the Role of CD1e Protein in Mycobacterial Phosphatidyl-myo-inositol Mannosides (PIM) Processing for Presentation by CD1b to T Lymphocytes. <i>Journal of Biological Chemistry</i> , 2012, 287, 31494-31502. | 3.4 | 29 |
| 20 | Lipidomic profiling of model organisms and the world's major pathogens. <i>Biochimie</i> , 2013, 95, 109-115. | 2.6 | 29 |
| 21 | Mycobacterial Lipidomics. <i>Microbiology Spectrum</i> , 2014, 2, . | 3.0 | 26 |
| 22 | Biomarkers for Tuberculosis Based on Secreted, Species-Specific, Bacterial Small Molecules. <i>Journal of Infectious Diseases</i> , 2015, 212, 1827-1834. | 4.0 | 20 |
| 23 | Ultralong C100 Mycolic Acids Support the Assignment of <i>Segniliparus</i> as a New Bacterial Genus. <i>PLoS ONE</i> , 2012, 7, e39017. | 2.5 | 20 |
| 24 | Human T cells use CD1 and MR1 to recognize lipids and small molecules. <i>Current Opinion in Chemical Biology</i> , 2014, 23, 31-38. | 6.1 | 19 |
| 25 | Host-Derived Lipids from Tuberculous Pleurisy Impair Macrophage Microbicidal-Associated Metabolic Activity. <i>Cell Reports</i> , 2020, 33, 108547. | 6.4 | 18 |
| 26 | The assembly of CD1e is controlled by an N-terminal propeptide which is processed in endosomal compartments. <i>Biochemical Journal</i> , 2009, 419, 661-668. | 3.7 | 6 |
| 27 | Mycobacterial Lipidomics. , 0, , 341-360. | | 3 |
| 28 | Targeted Lipidomics of Mycobacterial Lipids and Glycolipids. <i>Methods in Molecular Biology</i> , 2021, 2314, 549-577. | 0.9 | 1 |