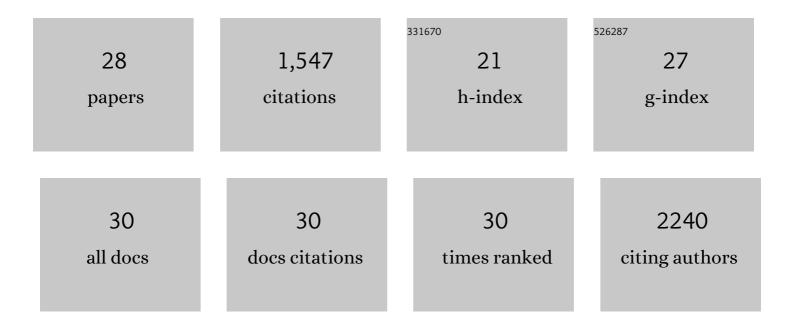
## Emilie Layre

List of Publications by Year in descending order

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FMILIELAVDE

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

**EMILIE LAYRE** 

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