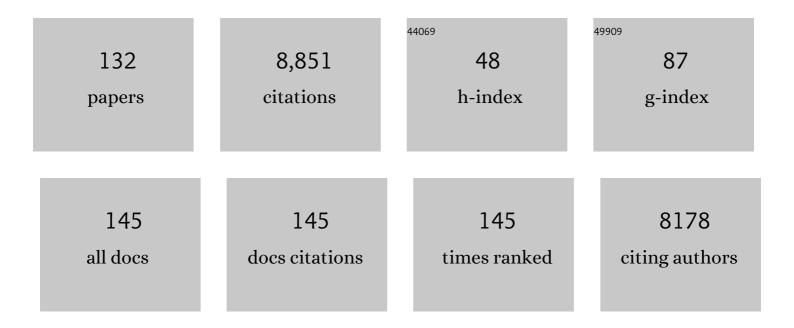
D Branch Moody

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8285220/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	The burgeoning family of unconventional T cells. Nature Immunology, 2015, 16, 1114-1123.	14.5	655
2	CD1c-mediated T-cell recognition of isoprenoid glycolipids in Mycobacterium tuberculosis infection. Nature, 2000, 404, 884-888.	27.8	436
3	The Mycobacterium tuberculosis regulatory network and hypoxia. Nature, 2013, 499, 178-183.	27.8	416
4	Apolipoprotein-mediated pathways of lipid antigen presentation. Nature, 2005, 437, 906-910.	27.8	323
5	T Cell Activation by Lipopeptide Antigens. Science, 2004, 303, 527-531.	12.6	255
6	CD1a-autoreactive T cells are a normal component of the human $\hat{I}\pm\hat{I}^2$ T cell repertoire. Nature Immunology, 2010, 11, 1102-1109.	14.5	221
7	Hepatitis B virus–induced lipid alterations contribute to natural killer T cell–dependent protective immunity. Nature Medicine, 2012, 18, 1060-1068.	30.7	198
8	A Comparative Lipidomics Platform for Chemotaxonomic Analysis of Mycobacterium tuberculosis. Chemistry and Biology, 2011, 18, 1537-1549.	6.0	188
9	A conserved human T cell population targets mycobacterial antigens presented by CD1b. Nature Immunology, 2013, 14, 706-713.	14.5	187
10	Intracellular pathways of CD1 antigen presentation. Nature Reviews Immunology, 2003, 3, 11-22.	22.7	169
11	<i>Mycobacterium tuberculosis pks12</i> Produces a Novel Polyketide Presented by CD1c to T Cells. Journal of Experimental Medicine, 2004, 200, 1559-1569.	8.5	166
12	Anatomy of CD1–lipid antigen complexes. Nature Reviews Immunology, 2005, 5, 387-399.	22.7	165
13	Lipid length controls antigen entry into endosomal and nonendosomal pathways for CD1b presentation. Nature Immunology, 2002, 3, 435-442.	14.5	146
14	Cd1b-Mediated T Cell Recognition of a Glycolipid Antigen Generated from Mycobacterial Lipid and Host Carbohydrate during Infection. Journal of Experimental Medicine, 2000, 192, 965-976.	8.5	144
15	CD1a-autoreactive T cells recognize natural skin oils that function as headless antigens. Nature Immunology, 2014, 15, 177-185.	14.5	141
16	CD1b tetramers bind αβ T cell receptors to identify a mycobacterial glycolipid-reactive T cell repertoire in humans. Journal of Experimental Medicine, 2011, 208, 1741-1747.	8.5	132
17	Molecular Mechanism of Lipopeptide Presentation by CD1a. Immunity, 2005, 22, 209-219.	14.3	122
18	Lipid and small-molecule display by CD1 and MR1. Nature Reviews Immunology, 2015, 15, 643-654.	22.7	120

#	Article	lF	CITATIONS
19	<i>Mycobacterium tuberculosis</i> Regulates CD1 Antigen Presentation Pathways through TLR-2. Journal of Immunology, 2005, 175, 1758-1766.	0.8	118
20	αβ T cell antigen receptor recognition of CD1a presenting self lipid ligands. Nature Immunology, 2015, 16, 258-266.	14.5	112
21	A Macrophage Response to Mycobacterium leprae Phenolic Glycolipid Initiates Nerve Damage in Leprosy. Cell, 2017, 170, 973-985.e10.	28.9	110
22	COPI acts in both vesicular and tubular transport. Nature Cell Biology, 2011, 13, 996-1003.	10.3	108
23	CD1-restricted adaptive immune responses to <i>Mycobacteria</i> in human group 1 CD1 transgenic mice. Journal of Experimental Medicine, 2009, 206, 2497-2509.	8.5	105
24	Efficient and precise single-cell reference atlas mapping with Symphony. Nature Communications, 2021, 12, 5890.	12.8	100
25	Bee venom processes human skin lipids for presentation by CD1a. Journal of Experimental Medicine, 2015, 212, 149-163.	8.5	98
26	CD1c tetramers detect ex vivo T cell responses to processed phosphomycoketide antigens. Journal of Experimental Medicine, 2013, 210, 729-741.	8.5	94
27	Self-poisoning of <i>Mycobacterium tuberculosis</i> by interrupting siderophore recycling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1945-1950.	7.1	94
28	CD1d-restricted T cell activation by nonlipidic small molecules. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13578-13583.	7.1	91
29	Human autoreactive T cells recognize CD1b and phospholipids. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 380-385.	7.1	85
30	The molecular basis of CD 1 -mediated presentation of lipid antigens. Immunological Reviews, 1999, 172, 285-296.	6.0	83
31	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
32	Mycobacterial Metabolic Syndrome: LprG and Rv1410 Regulate Triacylglyceride Levels, Growth Rate and Virulence in Mycobacterium tuberculosis. PLoS Pathogens, 2016, 12, e1005351.	4.7	79
33	Spatially distinct and metabolically active membrane domain in mycobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5400-5405.	7.1	78
34	Donor Unrestricted T Cells: A Shared Human T Cell Response. Journal of Immunology, 2015, 195, 1927-1932.	0.8	77
35	Filaggrin inhibits generation of CD1a neolipid antigens by house dust mite–derived phospholipase. Science Translational Medicine, 2016, 8, 325ra18.	12.4	77
36	Single-cell eQTL models reveal dynamic T cell state dependence of disease loci. Nature, 2022, 606, 120-128.	27.8	75

#	Article	IF	CITATIONS
37	Total Synthesis of Enantiopure β-d-Mannosyl Phosphomycoketides fromMycobacterium tuberculosis. Journal of the American Chemical Society, 2006, 128, 4546-4547.	13.7	73
38	<scp>CD</scp> 1 and mycobacterial lipids activate human T cells. Immunological Reviews, 2015, 264, 138-153.	6.0	72
39	Molecular Analysis of Lipid-Reactive Vδ1 γδT Cells Identified by CD1c Tetramers. Journal of Immunology, 2016, 196, 1933-1942.	0.8	72
40	Serum lipids regulate dendritic cell CD1 expression and function. Immunology, 2008, 125, 289-301.	4.4	71
41	Cutting Edge: CD1a Tetramers and Dextramers Identify Human Lipopeptide–Specific T Cells Ex Vivo. Journal of Immunology, 2013, 191, 4499-4503.	0.8	70
42	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
43	TCR Bias and Affinity Define Two Compartments of the CD1b–Glycolipid-Specific T Cell Repertoire. Journal of Immunology, 2014, 192, 4054-4060.	0.8	64
44	CD1c Presentation of Synthetic Glycolipid Antigens with Foreign Alkyl Branching Motifs. Chemistry and Biology, 2007, 14, 1232-1242.	6.0	62
45	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
46	T cell receptor recognition of CD1b presenting a mycobacterial glycolipid. Nature Communications, 2016, 7, 13257.	12.8	59
47	Harnessing donor unrestricted T-cells for new vaccines against tuberculosis. Vaccine, 2019, 37, 3022-3030.	3.8	59
48	CD1b-autoreactive T cells contribute to hyperlipidemia-induced skin inflammation in mice. Journal of Clinical Investigation, 2017, 127, 2339-2352.	8.2	59
49	Multisystem Analysis of <i>Mycobacterium tuberculosis</i> Reveals Kinase-Dependent Remodeling of the Pathogen-Environment Interface. MBio, 2018, 9, .	4.1	57
50	An Antibacterial Î²â€Łactone Kills Mycobacterium tuberculosis by Disrupting Mycolic Acid Biosynthesis. Angewandte Chemie - International Edition, 2018, 57, 348-353.	13.8	55
51	CD1a and CD1c Activate Intrathyroidal T Cells during Graves' Disease and Hashimoto's Thyroiditis. Journal of Immunology, 2005, 174, 3773-3780.	0.8	54
52	Targeted Delivery of Mycobacterial Antigens to Human Dendritic Cells via Siglec-7 Induces Robust T Cell Activation. Journal of Immunology, 2014, 193, 1560-1566.	0.8	54
53	Mycobacterium tuberculosis releases an antacid that remodels phagosomes. Nature Chemical Biology, 2019, 15, 889-899.	8.0	53
54	T cell autoreactivity directed toward CD1c itself rather than toward carried self lipids. Nature Immunology, 2018, 19, 397-406.	14.5	52

#	Article	IF	CITATIONS
55	Multimodally profiling memory T cells from a tuberculosis cohort identifies cell state associations with demographics, environment and disease. Nature Immunology, 2021, 22, 781-793.	14.5	52
56	Elevated and crossâ€responsive CD1aâ€reactive T cells in bee and wasp venom allergic individuals. European Journal of Immunology, 2016, 46, 242-252.	2.9	51
57	Role of lipid trimming and CD1 groove size in cellular antigen presentation. EMBO Journal, 2006, 25, 2989-2999.	7.8	50
58	Molecular basis of mycobacterial lipid antigen presentation by CD1c and its recognition by αβ T cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4648-57.	7.1	49
59	CD1bâ€mycolic acid tetramers demonstrate Tâ€cell fine specificity for mycobacterial lipid tails. European Journal of Immunology, 2017, 47, 1525-1534.	2.9	49
60	TLR gateways to CD1 function. Nature Immunology, 2006, 7, 811-817.	14.5	47
61	pH-Dependent Interdomain Tethers of CD1b Regulate Its Antigen Capture. Immunity, 2008, 28, 774-786.	14.3	47
62	CD1c bypasses lysosomes to present a lipopeptide antigen with 12 amino acids. Journal of Experimental Medicine, 2009, 206, 1409-1422.	8.5	47
63	CD1a, CD1b, and CD1c in Immunity Against Mycobacteria. Advances in Experimental Medicine and Biology, 2013, 783, 181-197.	1.6	46
64	Four pathways of CD1 antigen presentation to T cells. Current Opinion in Immunology, 2017, 46, 127-133.	5.5	45
65	The evolved functions of CD1 during infection. Current Opinion in Immunology, 2009, 21, 397-403.	5.5	43
66	<i>Borrelia burgdorferi</i> infection regulates CD1 expression in human cells and tissues via IL1â€Î². European Journal of Immunology, 2011, 41, 694-705.	2.9	43
67	Early progression to active tuberculosis is a highly heritable trait driven by 3q23 in Peruvians. Nature Communications, 2019, 10, 3765.	12.8	43
68	Saposins utilize two strategies for lipid transfer and CD1 antigen presentation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4357-4364.	7.1	42
69	Human T cell response to CD1a and contact dermatitis allergens in botanical extracts and commercial skin care products. Science Immunology, 2020, 5, .	11.9	42
70	Structural determination of lipid antigens captured at the CD1d–T-cell receptor interface. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8348-8353.	7.1	40
71	A molecular basis of human T cell receptor autoreactivity toward self-phospholipids. Science Immunology, 2017, 2, .	11.9	39
72	T-cell recognition of glycolipids presented by CD1 proteins. Glycobiology, 2006, 16, 103R-112R.	2.5	37

#	Article	IF	CITATIONS
73	Human CD1a Deficiency Is Common and Genetically Regulated. Journal of Immunology, 2013, 191, 1586-1593.	0.8	37
74	Lipidomic Analysis Links Mycobactin Synthase K to Iron Uptake and Virulence in M. tuberculosis. PLoS Pathogens, 2015, 11, e1004792.	4.7	37
75	Intestinal microbial-derived sphingolipids are inversely associated with childhood food allergy. Journal of Allergy and Clinical Immunology, 2018, 142, 335-338.e9.	2.9	37
76	InÂVivo Biosynthesis of Terpene Nucleosides Provides Unique Chemical Markers of Mycobacterium tuberculosis Infection. Chemistry and Biology, 2015, 22, 516-526.	6.0	34
77	Human Î ³ δT cells recognize CD1b by two distinct mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22944-22952.	7.1	34
78	Protein kinases PknA and PknB independently and coordinately regulate essential Mycobacterium tuberculosis physiologies and antimicrobial susceptibility. PLoS Pathogens, 2020, 16, e1008452.	4.7	33
79	The CD1 size problem: lipid antigens, ligands, and scaffolds. Cellular and Molecular Life Sciences, 2014, 71, 3069-3079.	5.4	32
80	A T-cell receptor escape channel allows broad T-cell response to CD1b and membrane phospholipids. Nature Communications, 2019, 10, 56.	12.8	31
81	Human skin is colonized by T cells that recognize CD1a independently of lipid. Journal of Clinical Investigation, 2021, 131, .	8.2	31
82	Analysis of the CD1 Antigen Presenting System in Humanized SCID Mice. PLoS ONE, 2011, 6, e21701.	2.5	31
83	Co-varying neighborhood analysis identifies cell populations associated with phenotypes of interest from single-cell transcriptomics. Nature Biotechnology, 2022, 40, 355-363.	17.5	30
84	Low crossâ€reactivity of Tâ€cell responses against lipids from <i>Mycobacterium bovis</i> and <i>M. avium paratuberculosis</i> during natural infection. European Journal of Immunology, 2009, 39, 3031-3041.	2.9	29
85	Lipidomic profiling of model organisms and the world's major pathogens. Biochimie, 2013, 95, 109-115.	2.6	29
86	T Cell Responses against Mycobacterial Lipids and Proteins Are Poorly Correlated in South African Adolescents. Journal of Immunology, 2015, 195, 4595-4603.	0.8	27
87	Mycobacterial Lipidomics. Microbiology Spectrum, 2014, 2, .	3.0	26
88	CD1a selectively captures endogenous cellular lipids that broadly block T cell response. Journal of Experimental Medicine, 2021, 218, .	8.5	24
89	Discovery of Invariant T Cells by Next-Generation Sequencing of the Human TCR α-Chain Repertoire. Journal of Immunology, 2014, 193, 5338-5344.	0.8	23
90	CD1b Tetramers Identify T Cells that Recognize Natural and Synthetic Diacylated Sulfoglycolipids from Mycobacterium tuberculosis. Cell Chemical Biology, 2018, 25, 392-402.e14.	5.2	23

6

#	Article	IF	CITATIONS
91	The Surprising Diversity of Lipid Antigens for CD1â€Restricted T Cells. Advances in Immunology, 2006, 89, 87-139.	2.2	22
92	Synthesis of Dideoxymycobactin Antigens Presented by CD1a Reveals T Cell Fine Specificity for Natural Lipopeptide Structures. Journal of Biological Chemistry, 2009, 284, 25087-25096.	3.4	22
93	Lipoproteins Are Major Targets of the Polyclonal Human T Cell Response to <i>Mycobacterium tuberculosis</i> . Journal of Immunology, 2013, 190, 278-284.	0.8	22
94	Lipids hide or step aside for CD1-autoreactive T cell receptors. Current Opinion in Immunology, 2018, 52, 93-99.	5.5	22
95	CD1b Tetramers Broadly Detect T Cells That Correlate With Mycobacterial Exposure but Not Tuberculosis Disease State. Frontiers in Immunology, 2020, 11, 199.	4.8	22
96	<scp>ER</scp> stress in antigenâ€presenting cells promotes <scp>NKT</scp> cell activation through endogenous neutral lipids. EMBO Reports, 2020, 21, e48927.	4.5	21
97	Biomarkers for Tuberculosis Based on Secreted, Species-Specific, Bacterial Small Molecules. Journal of Infectious Diseases, 2015, 212, 1827-1834.	4.0	20
98	Stereoselective Synthesis of 1-Tuberculosinyl Adenosine; a Virulence Factor of <i>Mycobacterium tuberculosis</i> . Journal of Organic Chemistry, 2016, 81, 6686-6696.	3.2	20
99	Discovery of <i>Salmonella</i> trehalose phospholipids reveals functional convergence with mycobacteria. Journal of Experimental Medicine, 2019, 216, 757-771.	8.5	20
100	Ultralong C100 Mycolic Acids Support the Assignment of Segniliparus as a New Bacterial Genus. PLoS ONE, 2012, 7, e39017.	2.5	20
101	Donor-unrestricted T cells in the human CD1 system. Immunogenetics, 2016, 68, 577-596.	2.4	19
102	Peripheral Blood Mucosal-Associated Invariant T Cells in Tuberculosis Patients and Healthy Mycobacterium tuberculosis-Exposed Controls. Journal of Infectious Diseases, 2020, 222, 995-1007.	4.0	19
103	Effects of BCG vaccination on donor unrestricted T cells in two prospective cohort studies. EBioMedicine, 2022, 76, 103839.	6.1	19
104	HIV Disrupts Human T Cells That Target Mycobacterial Glycolipids. Journal of Infectious Diseases, 2016, 213, 628-633.	4.0	18
105	Demethylmenaquinone Methyl Transferase Is a Membrane Domain-Associated Protein Essential for Menaquinone Homeostasis in Mycobacterium smegmatis. Frontiers in Microbiology, 2018, 9, 3145.	3.5	18
106	The bovine CD1D gene has an unusual gene structure and is expressed but cannot present α-galactosylceramide with a C26 fatty acid. International Immunology, 2013, 25, 91-98.	4.0	16
107	Total Synthesis of a Mycolic Acid from <i>Mycobacterium tuberculosis</i> . Angewandte Chemie - International Edition, 2020, 59, 7555-7560.	13.8	14
108	Total Synthesis of <i>Mycobacterium tuberculosis</i> Dideoxymycobactinâ€838 and Stereoisomers: Diverse CD1aâ€Restricted T Cells Display a Common Hierarchy of Lipopeptide Recognition. Chemistry - A European Journal, 2017, 23, 1694-1701.	3.3	13

#	Article	IF	CITATIONS
109	Membrane Lipid Requirements of the Lysine Transporter Lyp1 from Saccharomyces cerevisiae. Journal of Molecular Biology, 2020, 432, 4023-4031.	4.2	13
110	Atypical sideways recognition of CD1a by autoreactive γδT cell receptors. Nature Communications, 2022, 13, .	12.8	12
111	The late stage of COPI vesicle fission requires shorter forms of phosphatidic acid and diacylglycerol. Nature Communications, 2019, 10, 3409.	12.8	11
112	CD1b presents self and <i>Borrelia burgdorferi</i> diacylglycerols to human T cells. European Journal of Immunology, 2019, 49, 737-746.	2.9	10
113	A TCR β-Chain Motif Biases toward Recognition of Human CD1 Proteins. Journal of Immunology, 2019, 203, 3395-3406.	0.8	10
114	Heterologous Production of 1-Tuberculosinyladenosine in Mycobacterium kansasii Models Pathoevolution towards the Transcellular Lifestyle of Mycobacterium tuberculosis. MBio, 2020, 11, .	4.1	9
115	CD1: From Molecules to Diseases. F1000Research, 2017, 6, 1909.	1.6	9
116	Benzofuran sulfonates and small self-lipid antigens activate type II NKT cells via CD1d. Proceedings of the United States of America, 2021, 118, .	7.1	8
117	A periplasmic cinched protein is required for siderophore secretion and virulence of Mycobacterium tuberculosis. Nature Communications, 2022, 13, 2255.	12.8	8
118	Total Synthesis of an Immunogenic Trehalose Phospholipid from <i>Salmonella</i> Typhi and Elucidation of Its <i>sn</i> -Regiochemistry by Mass Spectrometry. Organic Letters, 2019, 21, 5126-5131.	4.6	7
119	Synthetic mycobacterial diacyl trehaloses reveal differential recognition by human T cell receptors and the C-type lectin Mincle. Scientific Reports, 2021, 11, 2010.	3.3	7
120	CD36 family members are TCR-independent ligands for CD1 antigen–presenting molecules. Science Immunology, 2021, 6, .	11.9	7
121	<scp>CD</scp> 1 Antigen Presentation and Autoreactivity in the Pregnant Human Uterus. American Journal of Reproductive Immunology, 2015, 74, 126-135.	1.2	5
122	Rational design of a hydrolysis-resistant mycobacterial phosphoglycolipid antigen presented by CD1c to T cells. Journal of Biological Chemistry, 2021, 297, 101197.	3.4	5
123	Bacterial Strain–Dependent Dissociation of Cell Recruitment and Cell-to-Cell Spread in Early M. tuberculosis Infection. MBio, 2022, 13, .	4.1	5
124	Higher native Peruvian genetic ancestry proportion is associated with tuberculosis progression risk. Cell Genomics, 2022, 2, 100151.	6.5	5
125	Monstrous Mycobacterial Lipids. Cell Chemical Biology, 2016, 23, 207-209.	5.2	3
126	Ein antibakterielles Î²â€Łacton bekänpft <i>Mycobacterium tuberculosis</i> durch Infiltration der Mykolsärebiosynthese. Angewandte Chemie, 2018, 130, 354-359.	2.0	3

#	Article	IF	CITATIONS
127	Mycobacterial Lipidomics. , 0, , 341-360.		3
128	How T cells grasp mycobacterial lipid antigens. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13312-13314.	7.1	2
129	Dual TCR-α Expression on Mucosal-Associated Invariant T Cells as a Potential Confounder of TCR Interpretation. Journal of Immunology, 2022, 208, 1389-1395.	0.8	2
130	Remembering Enzo Cerundolo. Molecular Immunology, 2021, 129, 53-55.	2.2	1
131	Antigen Processing and Presentation by CD1 Family Proteins. , 2006, , 129-156.		Ο
132	24780 Investigating the role of mycobacterial lipid antigens and CD1-restricted T cells in host-protective tuberculosis immunity using a guinea pig model. Journal of Clinical and Translational Science, 2021, 5, 114-115.	0.6	0