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476 papers	30,000 citations	95 h-index	147 g-index
493 ext. papers	32,941 ext. citations	7.3 avg, IF	6.65 L-index

#	Paper	IF	Citations
476	Nuclear-encoded proteins target to the plastid in <i>Toxoplasma gondii</i> and <i>Plasmodium falciparum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 12352-7	11.5	628
475	Role of the major antigen of <i>Mycobacterium tuberculosis</i> in cell wall biogenesis. <i>Science</i> , 1997 , 276, 1420-3	33.3	602
474	Pathway to synthesis and processing of mycolic acids in <i>Mycobacterium tuberculosis</i> . <i>Clinical Microbiology Reviews</i> , 2005 , 18, 81-101	34	479
473	CD1d-lipid-antigen recognition by the semi-invariant NKT T-cell receptor. <i>Nature</i> , 2007 , 448, 44-9	50.4	459
472	Structural requirements for glycolipid antigen recognition by CD1b-restricted T cells. <i>Science</i> , 1997 , 278, 283-6	33.3	395
471	CD1c-mediated T-cell recognition of isoprenoid glycolipids in <i>Mycobacterium tuberculosis</i> infection. <i>Nature</i> , 2000 , 404, 884-8	50.4	390
470	The embAB genes of <i>Mycobacterium avium</i> encode an arabinosyl transferase involved in cell wall arabinan biosynthesis that is the target for the antimycobacterial drug ethambutol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 11919-24	11.5	365
469	<i>Mycobacterium</i> lipoarabinomannan and related lipoglycans: from biogenesis to modulation of the immune response. <i>Molecular Microbiology</i> , 2004 , 53, 391-403	4.1	354
468	The crystal structure of human CD1d with and without alpha-galactosylceramide. <i>Nature Immunology</i> , 2005 , 6, 819-26	19.1	328
467	Cytological and transcript analyses reveal fat and lazy persister-like bacilli in tuberculous sputum. <i>PLoS Medicine</i> , 2008 , 5, e75	11.6	300
466	Apolipoprotein-mediated pathways of lipid antigen presentation. <i>Nature</i> , 2005 , 437, 906-10	50.4	299
465	Modulation of CD1d-restricted NKT cell responses by using N-acyl variants of alpha-galactosylceramides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3383-8	11.5	281
464	Invariant natural killer T cells recognize glycolipids from pathogenic Gram-positive bacteria. <i>Nature Immunology</i> , 2011 , 12, 966-74	19.1	259
463	Invariant NKT cells reduce the immunosuppressive activity of influenza A virus-induced myeloid-derived suppressor cells in mice and humans. <i>Journal of Clinical Investigation</i> , 2008 , 118, 4036-48	15.9	258
462	The complete genome sequence and analysis of <i>Corynebacterium diphtheriae</i> NCTC13129. <i>Nucleic Acids Research</i> , 2003 , 31, 6516-23	20.1	255
461	Detection and molecular characterization of 9,000-year-old <i>Mycobacterium tuberculosis</i> from a Neolithic settlement in the Eastern Mediterranean. <i>PLoS ONE</i> , 2008 , 3, e3426	3.7	248
460	Invariant natural killer T cells recognize lipid self antigen induced by microbial danger signals. <i>Nature Immunology</i> , 2011 , 12, 1202-11	19.1	245

459	Regulatory iNKT cells lack expression of the transcription factor PLZF and control the homeostasis of T(reg) cells and macrophages in adipose tissue. <i>Nature Immunology</i> , 2015 , 16, 85-95	19.1	243
458	Genome-wide comparison of medieval and modern <i>Mycobacterium leprae</i> . <i>Science</i> , 2013 , 341, 179-83	33.3	240
457	Mechanism of thioamide drug action against tuberculosis and leprosy. <i>Journal of Experimental Medicine</i> , 2007 , 204, 73-8	16.6	223
456	Activation of the pro-drug ethionamide is regulated in mycobacteria. <i>Journal of Biological Chemistry</i> , 2000 , 275, 28326-31	5.4	218
455	The evaluation of forty-three plant species for in vitro antimycobacterial activities; isolation of active constituents from <i>Psoralea corylifolia</i> and <i>Sanguinaria canadensis</i> . <i>Journal of Ethnopharmacology</i> , 2002 , 79, 57-67	5	215
454	The methyl-branched fortifications of <i>Mycobacterium tuberculosis</i> . <i>Chemistry and Biology</i> , 2002 , 9, 545-53		214
453	A new interpretation of the structure of the mycolyl-arabinogalactan complex of <i>Mycobacterium tuberculosis</i> as revealed through characterization of oligoglycosylalditol fragments by fast-atom bombardment mass spectrometry and 1H nuclear magnetic resonance spectroscopy. <i>Biochemistry</i> , 1995 , 34, 4257-66	3.2	213
452	Innate and cytokine-driven signals, rather than microbial antigens, dominate in natural killer T cell activation during microbial infection. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1163-77	16.6	208
451	Thiolactomycin and related analogues as novel anti-mycobacterial agents targeting KasA and KasB condensing enzymes in <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 16857-64	5.4	207
450	<i>Mycobacteria</i> release active membrane vesicles that modulate immune responses in a TLR2-dependent manner in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 1471-83	15.9	207
449	Sequencing and analysis of the genome of the Whipple's disease bacterium <i>Tropheryma whippelii</i> . <i>Lancet, The</i> , 2003 , 361, 637-44	40	204
448	Mycolic acid structure determines the fluidity of the mycobacterial cell wall. <i>Journal of Biological Chemistry</i> , 1996 , 271, 29545-51	5.4	204
447	Lipoarabinomannan and related glycoconjugates: structure, biogenesis and role in <i>Mycobacterium tuberculosis</i> physiology and host-pathogen interaction. <i>FEMS Microbiology Reviews</i> , 2011 , 35, 1126-57	15.1	203
446	Assembly of the Mycobacterial Cell Wall. <i>Annual Review of Microbiology</i> , 2015 , 69, 405-23	17.5	202
445	NK T cells provide lipid antigen-specific cognate help for B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8339-44	11.5	190
444	Recognition of lyso-phospholipids by human natural killer T lymphocytes. <i>PLoS Biology</i> , 2009 , 7, e1000228	3.7	189
443	The length of lipids bound to human CD1d molecules modulates the affinity of NKT cell TCR and the threshold of NKT cell activation. <i>Journal of Experimental Medicine</i> , 2007 , 204, 1131-44	16.6	188
442	A subset of liver NK T cells is activated during <i>Leishmania donovani</i> infection by CD1d-bound lipophosphoglycan. <i>Journal of Experimental Medicine</i> , 2004 , 200, 895-904	16.6	178

441	Identification of a gene involved in the biosynthesis of cyclopropanated mycolic acids in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 6630-4	11.5	167
440	CD169(+) macrophages present lipid antigens to mediate early activation of iNKT cells in lymph nodes. <i>Nature Immunology</i> , 2010 , 11, 303-12	19.1	166
439	Molecular interaction of CD1b with lipoglycan antigens. <i>Immunity</i> , 1998 , 8, 331-40	32.3	165
438	Invariant natural killer T cells direct B cell responses to cognate lipid antigen in an IL-21-dependent manner. <i>Nature Immunology</i> , 2011 , 13, 44-50	19.1	162
437	B cell receptor-mediated uptake of CD1d-restricted antigen augments antibody responses by recruiting invariant NKT cell help in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8345-50	11.5	162
436	PPARgamma controls CD1d expression by turning on retinoic acid synthesis in developing human dendritic cells. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2351-62	16.6	162
435	A highly conserved transcriptional repressor controls a large regulon involved in lipid degradation in <i>Mycobacterium smegmatis</i> and <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2007 , 65, 684-99	4.1	161
434	Modulation of human natural killer T cell ligands on TLR-mediated antigen-presenting cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20490-5	11.5	160
433	The <i>Mycobacterium tuberculosis</i> FAS-II condensing enzymes: their role in mycolic acid biosynthesis, acid-fastness, pathogenesis and in future drug development. <i>Molecular Microbiology</i> , 2007 , 64, 1442-54	4.1	159
432	Natural killer T cells in adipose tissue prevent insulin resistance. <i>Journal of Clinical Investigation</i> , 2012 , 122, 3343-54	15.9	155
431	<i>Mycobacterium tuberculosis</i> pks12 produces a novel polyketide presented by CD1c to T cells. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1559-69	16.6	154
430	Deletion of kasB in <i>Mycobacterium tuberculosis</i> causes loss of acid-fastness and subclinical latent tuberculosis in immunocompetent mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 5157-62	11.5	153
429	Structural basis of inhibition of <i>Mycobacterium tuberculosis</i> DprE1 by benzothiazinone inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11354-9	11.5	152
428	Crystal structure of the secreted form of antigen 85C reveals potential targets for mycobacterial drugs and vaccines. <i>Nature Structural Biology</i> , 2000 , 7, 141-6		152
427	A type II pathway for fatty acid biosynthesis presents drug targets in <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2003 , 47, 297-301	5.9	151
426	Identification of a small molecule with activity against drug-resistant and persistent tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E2510-7	11.5	150
425	Overexpression of inhA, but not kasA, confers resistance to isoniazid and ethionamide in <i>Mycobacterium smegmatis</i> , <i>M. bovis</i> BCG and <i>M. tuberculosis</i> . <i>Molecular Microbiology</i> , 2002 , 46, 453-66	4.1	149
424	Kinetics and cellular site of glycolipid loading control the outcome of natural killer T cell activation. <i>Immunity</i> , 2009 , 30, 888-98	32.3	143

423	Acyl-CoA carboxylases (accD2 and accD3), together with a unique polyketide synthase (Cg-pks), are key to mycolic acid biosynthesis in Corynebacteriaceae such as Corynebacterium glutamicum and Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 44847-57	5.4	142
422	MmpL genes are associated with mycolic acid metabolism in mycobacteria and corynebacteria. <i>Chemistry and Biology</i> , 2012 , 19, 498-506		141
421	Biosynthesis of mycobacterial lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 1997 , 272, 18460-6	5.4	138
420	Activation of invariant natural killer T cells by lipid excess promotes tissue inflammation, insulin resistance, and hepatic steatosis in obese mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1143-52	11.5	137
419	Identification and substrate specificity of beta -ketoacyl (acyl carrier protein) synthase III (mtFabH) from Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 28201-7	5.4	137
418	Identification of novel imidazo[1,2-a]pyridine inhibitors targeting M. tuberculosis QcrB. <i>PLoS ONE</i> , 2012 , 7, e52951	3.7	135
417	Lipid length controls antigen entry into endosomal and nonendosomal pathways for CD1b presentation. <i>Nature Immunology</i> , 2002 , 3, 435-42	19.1	135
416	Biosynthesis of the linkage region of the mycobacterial cell wall. <i>Journal of Biological Chemistry</i> , 1996 , 271, 7820-8	5.4	134
415	Galactan biosynthesis in Mycobacterium tuberculosis. Identification of a bifunctional UDP-galactofuranosyltransferase. <i>Journal of Biological Chemistry</i> , 2001 , 276, 26430-40	5.4	133
414	An FHA phosphoprotein recognition domain mediates protein EmbR phosphorylation by PknH, a Ser/Thr protein kinase from Mycobacterium tuberculosis. <i>Biochemistry</i> , 2003 , 42, 15300-9	3.2	132
413	CD1b-mediated T cell recognition of a glycolipid antigen generated from mycobacterial lipid and host carbohydrate during infection. <i>Journal of Experimental Medicine</i> , 2000 , 192, 965-76	16.6	131
412	Trehalose-recycling ABC transporter LpqY-SugA-SugB-SugC is essential for virulence of Mycobacterium tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21761-6	11.5	130
411	The crystal structure of human CD1b with a bound bacterial glycolipid. <i>Journal of Immunology</i> , 2004 , 172, 2382-8	5.3	129
410	Inflammation-induced formation of fat-associated lymphoid clusters. <i>Nature Immunology</i> , 2015 , 16, 819-828	8.8	128
409	Synthesis of the Arabinose Donor .beta.-D-Arabinofuranosyl-1-monophosphoryldecaprenol, Development of a Basic Arabinosyl-Transferase Assay, and Identification of Ethambutol as an Arabinosyl Transferase Inhibitor. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11829-11832	16.4	128
408	Identification of a novel arabinofuranosyltransferase (AftA) involved in cell wall arabinan biosynthesis in Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15653-61	5.4	127
407	Influenza infection in suckling mice expands an NKT cell subset that protects against airway hyperreactivity. <i>Journal of Clinical Investigation</i> , 2011 , 121, 57-69	15.9	125
406	Self-poisoning of Mycobacterium tuberculosis by targeting GlgE in an alpha-glucan pathway. <i>Nature Chemical Biology</i> , 2010 , 6, 376-84	11.7	123

405	EthA, a common activator of thiocarbamide-containing drugs acting on different mycobacterial targets. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 1055-63	5.9	122
404	Unique mechanism of action of the thiourea drug isoxyl on <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2003 , 278, 53123-30	5.4	121
403	Lysosomal trafficking, antigen presentation, and microbial killing are controlled by the Arf-like GTPase Arl8b. <i>Immunity</i> , 2011 , 35, 182-93	32.3	118
402	EthR, a repressor of the TetR/CamR family implicated in ethionamide resistance in mycobacteria, octamerizes cooperatively on its operator. <i>Molecular Microbiology</i> , 2004 , 51, 175-88	4.1	117
401	Deletion of Cg-emb in corynebacterianeae leads to a novel truncated cell wall arabinogalactan, whereas inactivation of Cg-ubiA results in an arabinan-deficient mutant with a cell wall galactan core. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32362-71	5.4	115
400	Functional role of the PE domain and immunogenicity of the <i>Mycobacterium tuberculosis</i> triacylglycerol hydrolase LipY. <i>Infection and Immunity</i> , 2008 , 76, 127-40	3.7	113
399	Impaired selection of invariant natural killer T cells in diverse mouse models of glycosphingolipid lysosomal storage diseases. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2293-303	16.6	113
398	Recognition of microbial and mammalian phospholipid antigens by NKT cells with diverse TCRs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1827-32	11.5	107
397	Combined NKT cell activation and influenza virus vaccination boosts memory CTL generation and protective immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3330-5	11.5	106
396	The mannose cap of mycobacterial lipoarabinomannan does not dominate the <i>Mycobacterium</i> -host interaction. <i>Cellular Microbiology</i> , 2008 , 10, 930-44	3.9	106
395	Ethambutol, a cell wall inhibitor of <i>Mycobacterium tuberculosis</i> , elicits L-glutamate efflux of <i>Corynebacterium glutamicum</i> . <i>Microbiology (United Kingdom)</i> , 2005 , 151, 1359-1368	2.9	105
394	Inhibition of UDP-Gal Mutase and Mycobacterial Galactan Biosynthesis by Pyrrolidine Analogues of Galactofuranose. <i>Tetrahedron Letters</i> , 1997 , 38, 6733-6736	2	104
393	Mycolic acid biosynthesis and enzymic characterization of the beta-ketoacyl-ACP synthase A-condensing enzyme from <i>Mycobacterium tuberculosis</i> . <i>Biochemical Journal</i> , 2002 , 364, 423-30	3.8	103
392	Tetrahydropyrazolo[1,5-a]pyrimidine-3-carboxamide and N-benzyl-6',7'-dihydrospiro[piperidine-4,4'-thieno[3,2-c]pyran] analogues with bactericidal efficacy against <i>Mycobacterium tuberculosis</i> targeting MmpL3. <i>PLoS ONE</i> , 2013 , 8, e60933	3.7	103
391	Biosynthesis of the galactan component of the mycobacterial cell wall. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33890-7	5.4	102
390	Ppm1, a novel polyprenol monophosphomannose synthase from <i>Mycobacterium tuberculosis</i> . <i>Biochemical Journal</i> , 2002 , 365, 441-50	3.8	101
389	Recognition of linked self glycolipids mediated by natural killer T cell antigen receptors. <i>Nature Immunology</i> , 2011 , 12, 827-33	19.1	99
388	Identification of a novel arabinofuranosyltransferase AftB involved in a terminal step of cell wall arabinan biosynthesis in <i>Corynebacterianeae</i> , such as <i>Corynebacterium glutamicum</i> and <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2007 , 282, 14729-40	5.4	99

387	Structural study of lipomannan and lipoarabinomannan from <i>Mycobacterium chelonae</i> . Presence of unusual components with alpha 1,3-mannopyranose side chains. <i>Journal of Biological Chemistry</i> , 2002 , 277, 30635-48	5.4	99
386	A molecular basis for the exquisite CD1d-restricted antigen specificity and functional responses of natural killer T cells. <i>Immunity</i> , 2011 , 34, 327-39	32.3	97
385	Antimycobacterial activities of isoxyl and new derivatives through the inhibition of mycolic acid synthesis. <i>Antimicrobial Agents and Chemotherapy</i> , 1999 , 43, 1042-51	5.9	97
384	Thiacetazone, an antitubercular drug that inhibits cyclopropanation of cell wall mycolic acids in mycobacteria. <i>PLoS ONE</i> , 2007 , 2, e1343	3.7	96
383	A structural basis for selection and cross-species reactivity of the semi-invariant NKT cell receptor in CD1d/glycolipid recognition. <i>Journal of Experimental Medicine</i> , 2006 , 203, 661-73	16.6	96
382	Zebrafish embryo screen for mycobacterial genes involved in the initiation of granuloma formation reveals a newly identified ESX-1 component. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 526-36	4.1	95
381	The condensing activities of the <i>Mycobacterium tuberculosis</i> type II fatty acid synthase are differentially regulated by phosphorylation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 30094-103	5.4	95
380	The <i>pimB</i> gene of <i>Mycobacterium tuberculosis</i> encodes a mannosyltransferase involved in lipoarabinomannan biosynthesis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31625-31	5.4	95
379	Innate recognition of cell wall β -glucans drives invariant natural killer T cell responses against fungi. <i>Cell Host and Microbe</i> , 2011 , 10, 437-50	23.4	93
378	Crystal structure of the TetR/CamR family repressor <i>Mycobacterium tuberculosis</i> EthR implicated in ethionamide resistance. <i>Journal of Molecular Biology</i> , 2004 , 340, 1095-105	6.5	93
377	Interplay of cytokines and microbial signals in regulation of CD1d expression and NKT cell activation. <i>Journal of Immunology</i> , 2005 , 175, 3584-93	5.3	93
376	Biochemical characterization of acyl carrier protein (AcpM) and malonyl-CoA:AcpM transacylase (mtFabD), two major components of <i>Mycobacterium tuberculosis</i> fatty acid synthase II. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27967-74	5.4	93
375	A <i>Mycobacterium tuberculosis</i> mutant lacking the <i>groEL</i> homologue <i>cpn60.1</i> is viable but fails to induce an inflammatory response in animal models of infection. <i>Infection and Immunity</i> , 2008 , 76, 1535-46	3.7	92
374	Cord factor and peptidoglycan recapitulate the Th17-promoting adjuvant activity of mycobacteria through mincle/CARD9 signaling and the inflammasome. <i>Journal of Immunology</i> , 2013 , 190, 5722-30	5.3	91
373	3-Ketosteroid 9 α -hydroxylase is an essential factor in the pathogenesis of <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2010 , 75, 107-21	4.1	91
372	<i>Mycobacterial</i> cell wall biosynthesis: a multifaceted antibiotic target. <i>Parasitology</i> , 2018 , 145, 116-133	2.7	90
371	Truncated structural variants of lipoarabinomannan in ethambutol drug-resistant strains of <i>Mycobacterium smegmatis</i> . Inhibition of arabinan biosynthesis by ethambutol. <i>Journal of Biological Chemistry</i> , 1996 , 271, 28682-90	5.4	90
370	Saposin B is the dominant saposin that facilitates lipid binding to human CD1d molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 5551-6	11.5	88

- 369 Comparative cell wall core biosynthesis in the mycolated pathogens, *Mycobacterium tuberculosis* and *Corynebacterium diphtheriae*. *FEMS Microbiology Reviews*, **2004**, 28, 225-50 15.1 88
- 368 Structural elucidation of a novel family of acyltrehaloses from *Mycobacterium tuberculosis*. *Biochemistry*, **1992**, 31, 9832-7 3.2 88
- 367 A semi-invariant V α 10+ T cell antigen receptor defines a population of natural killer T cells with distinct glycolipid antigen-recognition properties. *Nature Immunology*, **2011**, 12, 616-23 19.1 87
- 366 Identification of the apparent carrier in mycolic acid synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 12735-9 11.5 86
- 365 Conserved and heterogeneous lipid antigen specificities of CD1d-restricted NKT cell receptors. *Journal of Immunology*, **2006**, 176, 3625-34 5.3 84
- 364 The T cell antigen receptor expressed by Valpha14i NKT cells has a unique mode of glycosphingolipid antigen recognition. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12254-9 11.5 84
- 363 Arylamine N-acetyltransferase is required for synthesis of mycolic acids and complex lipids in *Mycobacterium bovis* BCG and represents a novel drug target. *Journal of Experimental Medicine*, **2004**, 199, 1191-9 16.6 83
- 362 The use of microarray analysis to determine the gene expression profiles of *Mycobacterium tuberculosis* in response to anti-bacterial compounds. *Tuberculosis*, **2004**, 84, 263-74 2.6 83
- 361 Metagenomic analysis of tuberculosis in a mummy. *New England Journal of Medicine*, **2013**, 369, 289-90 59.2 82
- 360 *Mycobacterium* arabinan biosynthesis: the use of synthetic arabinoside acceptors in the development of an arabinosyl transfer assay. *Glycobiology*, **1997**, 7, 1121-8 5.8 81
- 359 The two carboxylases of *Corynebacterium glutamicum* essential for fatty acid and mycolic acid synthesis. *Journal of Bacteriology*, **2007**, 189, 5257-64 3.5 81
- 358 Characterization of a putative β -mannosyltransferase involved in phosphatidylinositol trimannoside biosynthesis in *Mycobacterium tuberculosis*. *Biochemical Journal*, **2002**, 363, 437-447 3.8 80
- 357 A single subset of dendritic cells controls the cytokine bias of natural killer T cell responses to diverse glycolipid antigens. *Immunity*, **2014**, 40, 105-16 32.3 79
- 356 Mycolic acid modification by the *mmaA4* gene of *M. tuberculosis* modulates IL-12 production. *PLoS Pathogens*, **2008**, 4, e1000081 7.6 79
- 355 Essential role for autophagy during invariant NKT cell development. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E5678-87 11.5 77
- 354 Keto-mycolic acid-dependent pellicle formation confers tolerance to drug-sensitive *Mycobacterium tuberculosis*. *MBio*, **2013**, 4, e00222-13 7.8 77
- 353 Improved outcomes in NOD mice treated with a novel Th2 cytokine-biasing NKT cell activator. *Journal of Immunology*, **2007**, 178, 1415-25 5.3 77
- 352 Lysosomal localization of murine CD1d mediated by AP-3 is necessary for NK T cell development. *Journal of Immunology*, **2003**, 171, 4149-55 5.3 77

351	CD1d-restricted T cell activation by nonlipidic small molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13578-83	11.5	77
350	A mycolic acid-specific CD1-restricted T cell population contributes to acute and memory immune responses in human tuberculosis infection. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2493-503	15.9	76
349	Activation of iNKT cells by a distinct constituent of the endogenous glucosylceramide fraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13433-8	11.5	75
348	Mycobacterium tuberculosis antigen 85A and 85C structures confirm binding orientation and conserved substrate specificity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 36771-7	5.4	74
347	Biosynthesis of mycobacterial arabinogalactan: identification of a novel alpha(1-->3) arabinofuranosyltransferase. <i>Molecular Microbiology</i> , 2008 , 69, 1191-206	4.1	73
346	Cutting edge: nonglycosidic CD1d lipid ligands activate human and murine invariant NKT cells. <i>Journal of Immunology</i> , 2008 , 180, 6452-6	5.3	73
345	Identification of the lipooligosaccharide biosynthetic gene cluster from Mycobacterium marinum. <i>Molecular Microbiology</i> , 2007 , 63, 1345-59	4.1	73
344	The M. tuberculosis antigen 85 complex and mycolyltransferase activity. <i>Letters in Applied Microbiology</i> , 2002 , 34, 233-7	2.9	73
343	Preparation of cell-wall fractions from mycobacteria. <i>Methods in Molecular Biology</i> , 1998 , 101, 91-107	1.4	69
342	Incorporation of NKT cell-activating glycolipids enhances immunogenicity and vaccine efficacy of Mycobacterium bovis bacillus Calmette-Guerin. <i>Journal of Immunology</i> , 2009 , 183, 1644-56	5.3	68
341	Lipid composition and transcriptional response of Mycobacterium tuberculosis grown under iron-limitation in continuous culture: identification of a novel wax ester. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 1435-1444	2.9	68
340	MAIT cell clonal expansion and TCR repertoire shaping in human volunteers challenged with Salmonella Paratyphi A. <i>Nature Communications</i> , 2018 , 9, 253	17.4	66
339	The Mycobacterium tuberculosis beta-ketoacyl-acyl carrier protein synthase III activity is inhibited by phosphorylation on a single threonine residue. <i>Journal of Biological Chemistry</i> , 2009 , 284, 6414-24	5.4	66
338	Identification of an alpha(1-->6) mannopyranosyltransferase (MptA), involved in Corynebacterium glutamicum lipomanann biosynthesis, and identification of its orthologue in Mycobacterium tuberculosis. <i>Molecular Microbiology</i> , 2007 , 65, 1503-17	4.1	66
337	Studies on (beta,1-->5) and (beta,1-->6) linked octyl Gal(f) disaccharides as substrates for mycobacterial galactosyltransferase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 3129-43	3.4	66
336	Primary deficiency of microsomal triglyceride transfer protein in human abetalipoproteinemia is associated with loss of CD1 function. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2889-99	15.9	64
335	Mannan chain length controls lipoglycans signaling via and binding to TLR2. <i>Journal of Immunology</i> , 2008 , 180, 6696-702	5.3	64
334	Structure, function and biosynthesis of the Mycobacterium tuberculosis cell wall: arabinogalactan and lipoarabinomannan assembly with a view to discovering new drug targets. <i>Biochemical Society Transactions</i> , 2007 , 35, 1325-8	5.1	64

333	Molecular structure of EmbR, a response element of Ser/Thr kinase signaling in Mycobacterium tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 2558-63	11.5	64
332	Role of phosphatidylinositol mannosides in the interaction between mycobacteria and DC-SIGN. <i>Infection and Immunity</i> , 2009 , 77, 4538-47	3.7	63
331	Two functional FAS-I type fatty acid synthases in Corynebacterium glutamicum. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 2421-2427	2.9	63
330	Serum lipids regulate dendritic cell CD1 expression and function. <i>Immunology</i> , 2008 , 125, 289-301	7.8	61
329	Inactivation of Corynebacterium glutamicum NCgl0452 and the role of MgtA in the biosynthesis of a novel mannosylated glycolipid involved in lipomannan biosynthesis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4561-4572	5.4	61
328	Expansion and hyperactivity of CD1d-restricted NKT cells during the progression of systemic lupus erythematosus in (New Zealand Black x New Zealand White)F1 mice. <i>Journal of Immunology</i> , 2005 , 175, 763-70	5.3	61
327	Galectin-3 Plays an Important Pro-inflammatory Role in the Induction Phase of Acute Colitis by Promoting Activation of NLRP3 Inflammasome and Production of IL-1 β in Macrophages. <i>Journal of Crohn's and Colitis</i> , 2016 , 10, 593-606	1.5	60
326	Lipids and Carbohydrates of Mycobacterium tuberculosis 2014 , 285-306		59
325	LosA, a key glycosyltransferase involved in the biosynthesis of a novel family of glycosylated acyltrehalose lipooligosaccharides from Mycobacterium marinum. <i>Journal of Biological Chemistry</i> , 2005 , 280, 42124-33	5.4	59
324	Human autoreactive T cells recognize CD1b and phospholipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 380-5	11.5	58
323	Synthetic arabinofuranosyl oligosaccharides as mycobacterial arabinosyltransferase substrates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998 , 8, 437-42	2.9	58
322	The bovine CD1 family contains group 1 CD1 proteins, but no functional CD1d. <i>Journal of Immunology</i> , 2006 , 176, 4888-93	5.3	58
321	Characterization of a putative alpha-mannosyltransferase involved in phosphatidylinositol trimannoside biosynthesis in Mycobacterium tuberculosis. <i>Biochemical Journal</i> , 2002 , 363, 437-47	3.8	58
320	Activation of Human Mucosal-Associated Invariant T Cells Induces CD40L-Dependent Maturation of Monocyte-Derived and Primary Dendritic Cells. <i>Journal of Immunology</i> , 2017 , 199, 2631-2638	5.3	57
319	Cannabinoid receptor 2 positions and retains marginal zone B cells within the splenic marginal zone. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1941-8	16.6	57
318	Production and characterization of monoclonal antibodies against complexes of the NKT cell ligand alpha-galactosylceramide bound to mouse CD1d. <i>Journal of Immunological Methods</i> , 2007 , 323, 11-23	2.5	57
317	Combined natural killer T-cell based immunotherapy eradicates established tumors in mice. <i>Cancer Research</i> , 2007 , 67, 7495-504	10.1	57
316	Peripheral NK1.1 NKT cells are mature and functionally distinct from their thymic counterparts. <i>Journal of Immunology</i> , 2007 , 179, 6630-7	5.3	56

315	Tuberculosis in Dr Granville's mummy: a molecular re-examination of the earliest known Egyptian mummy to be scientifically examined and given a medical diagnosis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 51-6	4.4	55
314	Identification of a novel alpha(1-->6) mannopyranosyltransferase MptB from <i>Corynebacterium glutamicum</i> by deletion of a conserved gene, NCgl1505, affords a lipomannan- and lipoarabinomannan-deficient mutant. <i>Molecular Microbiology</i> , 2008 , 68, 1595-613	4.1	55
313	The 5-deoxy-5-methylthio-xylofuranose residue in mycobacterial lipoarabinomannan. absolute stereochemistry, linkage position, conformation, and immunomodulatory activity. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5059-72	16.4	55
312	Inhibition of InhA activity, but not KasA activity, induces formation of a KasA-containing complex in mycobacteria. <i>Journal of Biological Chemistry</i> , 2003 , 278, 20547-54	5.4	55
311	Synthesis and biological evaluation of new inhibitors of UDP-Galf transferase--a key enzyme in M. tuberculosis cell wall biosynthesis. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 2418-20	3.9	54
310	Sustained activation and tumor targeting of NKT cells using a CD1d-anti-HER2-scFv fusion protein induce antitumor effects in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 994-1005	15.9	53
309	Distinct endosomal trafficking requirements for presentation of autoantigens and exogenous lipids by human CD1d molecules. <i>Journal of Immunology</i> , 2007 , 178, 6181-90	5.3	52
308	Identification of KasA as the cellular target of an anti-tubercular scaffold. <i>Nature Communications</i> , 2016 , 7, 12581	17.4	51
307	Flavonoid inhibitors as novel antimycobacterial agents targeting Rv0636, a putative dehydratase enzyme involved in Mycobacterium tuberculosis fatty acid synthase II. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 3314-3322	2.9	51
306	Current status and future development of antitubercular chemotherapy. <i>Expert Opinion on Investigational Drugs</i> , 2002 , 11, 1033-49	5.9	51
305	Transposon mutagenesis of Mb0100 at the ppe1-nrp locus in Mycobacterium bovis disrupts phthiocerol dimycocerosate (PDIM) and glycosylphenol-PDIM biosynthesis, producing an avirulent strain with vaccine properties at least equal to those of M. bovis BCG. <i>Journal of Bacteriology</i> , 2005 , 187, 2267-77	3.5	50
304	Fine specificity of TCR complementarity-determining region residues and lipid antigen hydrophilic moieties in the recognition of a CD1-lipid complex. <i>Journal of Immunology</i> , 2002 , 168, 3933-40	5.3	50
303	Analogues of thiolactomycin: potential drugs with enhanced anti-mycobacterial activity. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 3101-3109	2.9	50
302	Temperature-induced changes in the cell-wall components of Mycobacterium thermoresistibile. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 3145-3154	2.9	50
301	Identification of the dehydratase component of the mycobacterial mycolic acid-synthesizing fatty acid synthase-II complex. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 4166-4173	2.9	49
300	Inhibition of Escherichia coli glycosyltransferase MurG and Mycobacterium tuberculosis Gal transferase by uridine-linked transition state mimics. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 2651-63	3.4	48
299	NKT cells direct monocytes into a DC differentiation pathway. <i>Journal of Leukocyte Biology</i> , 2007 , 81, 1224-35	6.5	48
298	Probing the mechanism of the Mycobacterium tuberculosis beta-ketoacyl-acyl carrier protein synthase III MtFabH: factors influencing catalysis and substrate specificity. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32539-47	5.4	48

297	Role of lipid trimming and CD1 groove size in cellular antigen presentation. <i>EMBO Journal</i> , 2006 , 25, 2989-99	13	47
296	Identification and structural characterization of an unusual mycobacterial monomeromycolyl-diacylglycerol. <i>Molecular Microbiology</i> , 2005 , 57, 1113-26	4.1	47
295	The C-terminal domain of the Arabinosyltransferase Mycobacterium tuberculosis EmbC is a lectin-like carbohydrate binding module. <i>PLoS Pathogens</i> , 2011 , 7, e1001299	7.6	46
294	CD1a and CD1c activate intrathyroidal T cells during Graves' disease and Hashimoto's thyroiditis. <i>Journal of Immunology</i> , 2005 , 174, 3773-80	5.3	46
293	THPP target assignment reveals EchA6 as an essential fatty acid shuttle in mycobacteria. <i>Nature Microbiology</i> , 2016 , 1, 15006	26.6	45
292	Non-replicating Mycobacterium tuberculosis elicits a reduced infectivity profile with corresponding modifications to the cell wall and extracellular matrix. <i>PLoS ONE</i> , 2014 , 9, e87329	3.7	45
291	Alpha-galactosylceramide as a therapeutic agent for pulmonary Mycobacterium tuberculosis infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 841-7	10.2	45
290	Modular approach to triazole-linked 1,6-HD-oligomannosides to the discovery of inhibitors of Mycobacterium tuberculosis cell wall synthetase. <i>Journal of Organic Chemistry</i> , 2010 , 75, 6326-36	4.2	45
289	Biphenyl-based analogues of thiolactomycin, active against Mycobacterium tuberculosis mtFabH fatty acid condensing enzyme. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 3685-8	2.9	45
288	Mycolic acids: deciphering and targeting the Achilles' heel of the tubercle bacillus. <i>Molecular Microbiology</i> , 2015 , 98, 7-16	4.1	44
287	Mycobacterium tuberculosis complex lipid virulence factors preserved in the 17,000-year-old skeleton of an extinct bison, Bison antiquus. <i>PLoS ONE</i> , 2012 , 7, e41923	3.7	44
286	A truncated lipoglycan from mycobacteria with altered immunological properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2634-9	11.5	43
285	A simple mycobacterial monomycolated glycerol lipid has potent immunostimulatory activity. <i>Journal of Immunology</i> , 2009 , 182, 424-32	5.3	43
284	NKT cell subsets mediate differential proatherogenic effects in ApoE ^{-/-} mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 671-7	9.4	43
283	Two polyketide-synthase-associated acyltransferases are required for sulfolipid biosynthesis in Mycobacterium tuberculosis. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 513-520	2.9	43
282	Disruption of Cg-Ppm1, a polyprenyl monophosphomannose synthase, and the generation of lipoglycan-less mutants in Corynebacterium glutamicum. <i>Journal of Biological Chemistry</i> , 2003 , 278, 40842-50	5.4	43
281	Presentation of alpha-galactosylceramide by murine CD1d to natural killer T cells is facilitated by plasma membrane glycolipid rafts. <i>Immunology</i> , 2004 , 112, 386-96	7.8	43
280	Stimulation of mycolic acid biosynthesis by incorporation of cis-tetracos-5-enoic acid in a cell-wall preparation from Mycobacterium smegmatis. <i>Lipids and Lipid Metabolism</i> , 1993 , 1167, 182-8		43

279	Prioritizing multiple therapeutic targets in parallel using automated DNA-encoded library screening. <i>Nature Communications</i> , 2017 , 8, 16081	17.4	42
278	Arabinogalactan and lipoarabinomannan biosynthesis: structure, biogenesis and their potential as drug targets. <i>Future Microbiology</i> , 2012 , 7, 129-47	2.9	42
277	Activation state and intracellular trafficking contribute to the repertoire of endogenous glycosphingolipids presented by CD1d [corrected]. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3052-7	11.5	42
276	Purification and biochemical characterization of Mycobacterium tuberculosis SuhB, an inositol monophosphatase involved in inositol biosynthesis. <i>Biochemistry</i> , 2002 , 41, 4392-8	3.2	42
275	Discrimination between bacterial phenotypes using glyco-nanoparticles and the impact of polymer coating on detection readouts. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1490-1498	7.3	41
274	The molecular bases of $\gamma\delta$ T cell-mediated antigen recognition. <i>Journal of Experimental Medicine</i> , 2014 , 211, 2599-615	16.6	41
273	Identification of 2-aminothiazole-4-carboxylate derivatives active against Mycobacterium tuberculosis H37Rv and the beta-ketoacyl-ACP synthase mtFabH. <i>PLoS ONE</i> , 2009 , 4, e5617	3.7	41
272	Glycosylation of the phosphate binding protein, PstS, in Streptomyces coelicolor by a pathway that resembles protein O-mannosylation in eukaryotes. <i>Molecular Microbiology</i> , 2009 , 71, 421-33	4.1	41
271	Characterization of the putative operon containing arylamine N-acetyltransferase (nat) in Mycobacterium bovis BCG. <i>Molecular Microbiology</i> , 2006 , 59, 181-92	4.1	41
270	Acetylene-based analogues of thiolactomycin, active against Mycobacterium tuberculosis mtFabH fatty acid condensing enzyme. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 373-6	2.9	41
269	The structure of Mycobacterium tuberculosis MPT51 (FbpC1) defines a new family of non-catalytic alpha/beta hydrolases. <i>Journal of Molecular Biology</i> , 2004 , 335, 519-30	6.5	41
268	Alteration of the relative levels of iNKT cell subsets is associated with chronic mycobacterial infections. <i>Clinical Immunology</i> , 2008 , 127, 214-24	9	40
267	Modulation of invariant natural killer T cell cytokine responses by indoleamine 2,3-dioxygenase. <i>Immunology Letters</i> , 2008 , 117, 81-90	4.1	40
266	Synthesis of the naringinase inhibitors l-swainsonine and related 6-C-methyl-l-swainsonine analogues: (6R)-C-methyl-l-swainsonine is a more potent inhibitor of l-rhamnosidase by an order of magnitude than l-swainsonine. <i>Tetrahedron Letters</i> , 2008 , 49, 179-184	2	40
265	Studies on n-octyl-5-(alpha-D-arabinofuranosyl)-beta-D-galactofuranosides for mycobacterial glycosyltransferase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 923-8	3.4	40
264	Osteological and biomolecular evidence of a 7000-year-old case of hypertrophic pulmonary osteopathy secondary to tuberculosis from neolithic hungary. <i>PLoS ONE</i> , 2013 , 8, e78252	3.7	40
263	The mechanism of splenic invariant NKT cell activation dictates localization in vivo. <i>Journal of Immunology</i> , 2013 , 191, 572-82	5.3	39
262	Unexpected link between lipooligosaccharide biosynthesis and surface protein release in Mycobacterium marinum. <i>Journal of Biological Chemistry</i> , 2012 , 287, 20417-29	5.4	39

261	Platensimycin activity against mycobacterial beta-ketoacyl-ACP synthases. <i>PLoS ONE</i> , 2009 , 4, e6306	3.7	39
260	The role of hydrophobicity in tuberculosis evolution and pathogenicity. <i>Scientific Reports</i> , 2017 , 7, 1315	4.9	38
259	Human tuberculosis predates domestication in ancient Syria. <i>Tuberculosis</i> , 2015 , 95 Suppl 1, S4-S12	2.6	38
258	Inactivation of Mycobacterium tuberculosis mannosyltransferase pimB reduces the cell wall lipoarabinomannan and lipomannan content and increases the rate of bacterial-induced human macrophage cell death. <i>Glycobiology</i> , 2009 , 19, 743-55	5.8	38
257	Saposins utilize two strategies for lipid transfer and CD1 antigen presentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4357-64	11.5	38
256	In vivo interaction between the polyprenol phosphate mannose synthase Ppm1 and the integral membrane protein Ppm2 from Mycobacterium smegmatis revealed by a bacterial two-hybrid system. <i>Journal of Biological Chemistry</i> , 2003 , 278, 2242-8	5.4	38
255	Inactivation of polyketide synthase and related genes results in the loss of complex lipids in Mycobacterium tuberculosis H37Rv. <i>Letters in Applied Microbiology</i> , 2005 , 40, 201-6	2.9	38
254	Studies on alpha(1->5) linked octyl arabinofuranosyl disaccharides for mycobacterial arabinosyl transferase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 3145-51	3.4	38
253	Phosphatidylinositol synthesis in mycobacteria. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999 , 1436, 437-50	5	38
252	The thick waxy coat of mycobacteria, a protective layer against antibiotics and the host's immune system. <i>Biochemical Journal</i> , 2020 , 477, 1983-2006	3.8	38
251	Mouse and human iNKT cell agonist α -mannosylceramide reveals a distinct mechanism of tumor immunity. <i>Journal of Clinical Investigation</i> , 2011 , 121, 683-94	15.9	37
250	Identification of arylamine N-acetyltransferase inhibitors as an approach towards novel anti-tuberculars. <i>Protein and Cell</i> , 2010 , 1, 82-95	7.2	37
249	Design, synthesis, biochemical evaluation and antimycobacterial action of phosphonate inhibitors of antigen 85C, a crucial enzyme involved in biosynthesis of the mycobacterial cell wall. <i>European Journal of Medicinal Chemistry</i> , 2007 , 42, 54-63	6.8	37
248	Loss of a mycobacterial gene encoding a reductase leads to an altered cell wall containing beta-oxo-mycolic acid analogs and accumulation of ketones. <i>Chemistry and Biology</i> , 2008 , 15, 930-9		37
247	Whole Cell Target Engagement Identifies Novel Inhibitors of Mycobacterium tuberculosis Decaprenylphosphoryl- β -D-ribose Oxidase. <i>ACS Infectious Diseases</i> , 2015 , 1, 615-26	5.5	36
246	Mycobacterium leprae genotype amplified from an archaeological case of lepromatous leprosy in Central Asia. <i>Journal of Archaeological Science</i> , 2009 , 36, 2408-2414	2.9	36
245	Topology and mutational analysis of the single Emb arabinofuranosyltransferase of Corynebacterium glutamicum as a model of Emb proteins of Mycobacterium tuberculosis. <i>Glycobiology</i> , 2007 , 17, 210-9	5.8	36
244	Polyprenyl phosphate biosynthesis in Mycobacterium tuberculosis and Mycobacterium smegmatis. <i>Journal of Bacteriology</i> , 2000 , 182, 5771-8	3.5	36

243	Maintenance of the marginal-zone B cell compartment specifically requires the RNA-binding protein ZFP36L1. <i>Nature Immunology</i> , 2017 , 18, 683-693	19.1	35
242	A migration-driven model for the historical spread of leprosy in medieval Eastern and Central Europe. <i>Infection, Genetics and Evolution</i> , 2015 , 31, 250-6	4.5	35
241	Lcp1 Is a Phosphotransferase Responsible for Ligating Arabinogalactan to Peptidoglycan in <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2016 , 7,	7.8	35
240	Detection and strain typing of ancient <i>Mycobacterium leprae</i> from a medieval leprosy hospital. <i>PLoS ONE</i> , 2013 , 8, e62406	3.7	35
239	Sequence and analysis of a plasmid-encoded mercury resistance operon from <i>Mycobacterium marinum</i> identifies MerH, a new mercuric ion transporter. <i>Journal of Bacteriology</i> , 2009 , 191, 439-44	3.5	35
238	Symmetrical and unsymmetrical analogues of isoxyl; active agents against <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 4743-7	2.9	35
237	Arabinan-deficient mutants of <i>Corynebacterium glutamicum</i> and the consequent flux in decaprenylmonophosphoryl-D-arabinose metabolism. <i>Glycobiology</i> , 2006 , 16, 1073-81	5.8	35
236	Inhibiting mycobacterial tryptophan synthase by targeting the inter-subunit interface. <i>Scientific Reports</i> , 2017 , 7, 9430	4.9	34
235	Biochemical characterization of the <i>Mycobacterium tuberculosis</i> phosphoribosyl-1-pyrophosphate synthetase. <i>Glycobiology</i> , 2011 , 21, 410-25	5.8	34
234	Natural killer T-cell autoreactivity leads to a specialized activation state. <i>Blood</i> , 2008 , 112, 4128-38	2.2	34
233	Direct measurement of antigen binding properties of CD1 proteins using fluorescent lipid probes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 299-310	5.4	34
232	Uptake and processing of glycosylated mycolates for presentation to CD1b-restricted T cells. <i>Immunology Letters</i> , 1999 , 65, 85-91	4.1	34
231	Structures of cell wall arabinosyltransferases with the anti-tuberculosis drug ethambutol. <i>Science</i> , 2020 , 368, 1211-1219	33.3	34
230	Novel generation mycobacterial adjuvant based on liposome-encapsulated monomycoloyl glycerol from <i>Mycobacterium bovis</i> bacillus Calmette-Guérin. <i>Journal of Immunology</i> , 2009 , 183, 2294-302	5.3	33
229	Synthesis of beta-D-arabinofuranosyl-1-monophosphoryl polyprenols: examination of their function as mycobacterial arabinosyl transferase donors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998 , 8, 951-4	2.9	33
228	Expression, purification and characterisation of soluble GlfT and the identification of a novel galactofuranosyltransferase Rv3782 involved in priming GlfT-mediated galactan polymerisation in <i>Mycobacterium tuberculosis</i> . <i>Protein Expression and Purification</i> , 2008 , 58, 332-41	2	33
227	Expression of CD1d molecules by human schwann cells and potential interactions with immunoregulatory invariant NK T cells. <i>Journal of Immunology</i> , 2006 , 177, 5226-35	5.3	33
226	Tuberculosis chemotherapy: recent developments and future perspectives. <i>Progress in Medicinal Chemistry</i> , 2007 , 45, 169-203	7.3	33

225	Identification of a Potent Microbial Lipid Antigen for Diverse NKT Cells. <i>Journal of Immunology</i> , 2015 , 195, 2540-51	5.3	32
224	Mycobacterial dihydrofolate reductase inhibitors identified using chemogenomic methods and in vitro validation. <i>PLoS ONE</i> , 2015 , 10, e0121492	3.7	32
223	A chemical proteomics approach to profiling the ATP-binding proteome of Mycobacterium tuberculosis. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 1644-60	7.6	32
222	Identification of novel diphenyl urea inhibitors of Mt-GuaB2 active against Mycobacterium tuberculosis. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 290-299	2.9	32
221	Synthesis of a versatile building block for the preparation of 6-N-derivatized β -galactosyl ceramides: rapid access to biologically active glycolipids. <i>Journal of Organic Chemistry</i> , 2011 , 76, 320-3	4.2	32
220	α natural killer T cell antigen receptor-mediated recognition of CD1d-glycolipid antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 19007-12	11.5	32
219	IL-2 triggers specific signaling pathways in human NKT cells leading to the production of pro- and anti-inflammatory cytokines. <i>Journal of Leukocyte Biology</i> , 2008 , 84, 224-33	6.5	32
218	Phosphonate inhibitors of antigen 85C, a crucial enzyme involved in the biosynthesis of the Mycobacterium tuberculosis cell wall. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 3559-62	2.9	32
217	Synthetic mannosides act as acceptors for mycobacterial α 1-6 mannosyltransferase. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 815-24	3.4	32
216	Mimics of L-rhamnose: Anomeric spirohydantoin and diketopiperazines-approaches to novel N-linked glycopeptides of rhamnofuranose. <i>Tetrahedron: Asymmetry</i> , 1996 , 7, 387-390		32
215	Inhibition of naringinase (L-rhamnosidase) by piperidine analogues of L-rhamnose: Scaffolds for libraries incorporating trihydroxypiperic acids. <i>Tetrahedron Letters</i> , 1996 , 37, 8569-8572	2	32
214	Lipoarabinomannan biosynthesis in Corynebacterineae: the interplay of two α 1- \rightarrow 2-mannopyranosyltransferases MptC and MptD in mannan branching. <i>Molecular Microbiology</i> , 2011 , 80, 1241-59	4.1	31
213	Human and mouse type I natural killer T cell antigen receptors exhibit different fine specificities for CD1d-antigen complex. <i>Journal of Biological Chemistry</i> , 2012 , 287, 39139-48	5.4	31
212	Natural killer T-cell characterization through gene expression profiling: an account of versatility bridging T helper type 1 (Th1), Th2 and Th17 immune responses. <i>Immunology</i> , 2008 , 123, 45-56	7.8	31
211	Trehalose-containing lipooligosaccharides of Mycobacterium gordonae: presence of a mono-O-methyltetra-O-acyltrehalose "core" and branching in the oligosaccharide backbone. <i>Biochemistry</i> , 1993 , 32, 12705-14	3.2	31
210	Saposins modulate human invariant Natural Killer T cells self-reactivity and facilitate lipid exchange with CD1d molecules during antigen presentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E4753-61	11.5	30
209	SAP expression in invariant NKT cells is required for cognate help to support B-cell responses. <i>Blood</i> , 2012 , 120, 122-9	2.2	30
208	A rapid fluorescence-based assay for classification of iNKT cell activating glycolipids. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5198-201	16.4	30

207	Tsukamurella paurometabola lipoglycan, a new lipoarabinomannan variant with pro-inflammatory activity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 22973-82	5.4	30
206	Structural and functional features of Rhodococcus ruber lipoarabinomannan. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 1437-1445	2.9	30
205	Studies on beta-D-Gal(f)-(1-->4)-alpha-L-Rha(p) octyl analogues as substrates for mycobacterial galactosyl transferase activity. <i>Bioorganic and Medicinal Chemistry</i> , 1999 , 7, 2407-13	3.4	30
204	CD1d-mediated activation of group 3 innate lymphoid cells drives IL-22 production. <i>EMBO Reports</i> , 2017 , 18, 39-47	6.5	29
203	Structural determination of lipid antigens captured at the CD1d-T-cell receptor interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8348-8353	11.5	29
202	Ligation of arabinogalactan to peptidoglycan in the cell wall of Mycobacterium smegmatis requires concomitant synthesis of the two wall polymers. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 3059-3067	2.9	29
201	Role for lysosomal phospholipase A2 in iNKT cell-mediated CD1d recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 5097-102	11.5	28
200	Characterization of the in vitro synthesized arabinan of mycobacterial cell walls. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997 , 1335, 231-4	4	28
199	Modified mannose disaccharides as substrates and inhibitors of a polyprenol monophosphomannose-dependent alpha-(1-->6)-mannosyltransferase involved in mycobacterial lipoarabinomannan biosynthesis. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 1083-94	3.4	28
198	Chemistry of the lyxose-containing mycobacteriophage receptors of Mycobacterium phlei/Mycobacterium smegmatis. <i>Biochemistry</i> , 1996 , 35, 11812-9	3.2	28
197	Mimics of l-rhamnose: Analogues of rhamnopyranose containing a constituent amino acid at the anomeric position. A rhamnopyranose analogue of hydantocidin. <i>Tetrahedron: Asymmetry</i> , 1996 , 7, 391-394		28
196	Osteological, biomolecular and geochemical examination of an early anglo-saxon case of lepromatous leprosy. <i>PLoS ONE</i> , 2015 , 10, e0124282	3.7	28
195	Biomolecular archaeology of ancient tuberculosis: response to Deficiencies and challenges in the study of ancient tuberculosis DNA by Wilbur et al. (2009). <i>Journal of Archaeological Science</i> , 2009 , 36, 2797-2804	2.9	27
194	Structural characterization and functional properties of a novel lipomannan variant isolated from a Corynebacterium glutamicum pimB' mutant. <i>Antonie Van Leeuwenhoek</i> , 2008 , 94, 277-87	2.1	27
193	Synthetic disaccharide analogs as potential substrates and inhibitors of a mycobacterial polyprenol monophosphomannose-dependent alpha-(1->6)-mannosyltransferase. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 553-567		27
192	The actin cytoskeleton modulates the activation of iNKT cells by segregating CD1d nanoclusters on antigen-presenting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E772-81	11.5	26
191	Atypical natural killer T-cell receptor recognition of CD1d-lipid antigens. <i>Nature Communications</i> , 2016 , 7, 10570	17.4	26
190	Synthesis and biological activity of alpha-galactosyl ceramide KRN7000 and galactosyl (alpha1-->2) galactosyl ceramide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 4288-91	2.9	26

189	Identification of a novel mannose-capped lipoarabinomannan from <i>Amycolatopsis sulphurea</i> . <i>Biochemical Journal</i> , 2003 , 372, 821-9	3.8	26
188	Glycolipid targets of CD1-mediated T-cell responses. <i>Immunology</i> , 2001 , 104, 243-51	7.8	26
187	Obesity Reduces mTORC1 Activity in Mucosal-Associated Invariant T Cells, Driving Defective Metabolic and Functional Responses. <i>Journal of Immunology</i> , 2019 , 202, 3404-3411	5.3	25
186	New CD1d agonists: synthesis and biological activity of 6?-triazole-substituted β -galactosyl ceramides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 4348-52	2.9	25
185	IpsA, a novel LacI-type regulator, is required for inositol-derived lipid formation in <i>Corynebacteria</i> and <i>Mycobacteria</i> . <i>BMC Biology</i> , 2013 , 11, 122	7.3	25
184	Acceptor substrate discrimination in phosphatidyl-myo-inositol mannoside synthesis: structural and mutational analysis of mannosyltransferase <i>Corynebacterium glutamicum</i> PimB'. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37741-52	5.4	25
183	Defects in glycopeptidolipid biosynthesis confer phage I3 resistance in <i>Mycobacterium smegmatis</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 4050-4057	2.9	25
182	Identification of a glycosyltransferase from <i>Mycobacterium marinum</i> involved in addition of a caryophyllose moiety in lipooligosaccharides. <i>Journal of Bacteriology</i> , 2011 , 193, 2336-40	3.5	25
181	Invariant natural killer T cell-natural killer cell interactions dictate transplantation outcome after alpha-galactosylceramide administration. <i>Blood</i> , 2009 , 113, 5999-6010	2.2	25
180	X-ray crystal structure of <i>Mycobacterium tuberculosis</i> beta-ketoacyl acyl carrier protein synthase II (mtKasB). <i>Journal of Molecular Biology</i> , 2007 , 366, 469-80	6.5	25
179	Synthesis of methyl (Z)-tetracos-5-enoate and both enantiomers of ethyl (E)-6-methyltetracos-4-enoate: possible intermediates in the biosynthesis of mycolic acids in mycobacteria. <i>Chemistry and Physics of Lipids</i> , 1993 , 66, 23-34	3.7	25
178	Mannan core branching of lipo(arabino)mannan is required for mycobacterial virulence in the context of innate immunity. <i>Cellular Microbiology</i> , 2013 , 15, 2093-108	3.9	24
177	Determinants of the Inhibition of DprE1 and CYP2C9 by Antitubercular Thiophenes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13011-13015	16.4	24
176	Ancient mycobacterial lipids: Key reference biomarkers in charting the evolution of tuberculosis. <i>Tuberculosis</i> , 2015 , 95 Suppl 1, S133-9	2.6	24
175	Benzothiazinones mediate killing of <i>Corynebacterineae</i> by blocking decaprenyl phosphate recycling involved in cell wall biosynthesis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 6177-87	5.4	24
174	Synthesis of β -glucan in mycobacteria involves a hetero-octameric complex of trehalose synthase TreS and Maltokinase Pep2. <i>ACS Chemical Biology</i> , 2013 , 8, 2245-55	4.9	24
173	Characterization of the <i>Corynebacterium glutamicum</i> Δ pimB' Δ tamgtA double deletion mutant and the role of <i>Mycobacterium tuberculosis</i> orthologues Rv2188c and Rv0557 in glycolipid biosynthesis. <i>Journal of Bacteriology</i> , 2009 , 191, 4465-72	3.5	24
172	Congenetic analysis of the NKT cell control gene Nkt2 implicates the peroxisomal protein Pxmp4. <i>Journal of Immunology</i> , 2008 , 181, 3400-12	5.3	24

171	EmrR2, a structural homologue of EmrR, inhibits the Mycobacterium tuberculosis kinase/substrate pair PknH/EmrR. <i>Biochemical Journal</i> , 2008 , 410, 309-17	3.8	24
170	CD38 is required for the peripheral survival of immunotolerogenic CD4+ invariant NK T cells in nonobese diabetic mice. <i>Journal of Immunology</i> , 2006 , 177, 2939-47	5.3	24
169	A lipomannan variant with strong TLR-2-dependent pro-inflammatory activity in <i>Saccharothrix aerocolonigenes</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 28347-56	5.4	24
168	A Novel Glycolipid Antigen for NKT Cells That Preferentially Induces IFN- γ Production. <i>Journal of Immunology</i> , 2015 , 195, 924-33	5.3	23
167	Cognate interaction with iNKT cells expands IL-10-producing B regulatory cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12474-9	11.5	23
166	Antigen Specificity of Type I NKT Cells Is Governed by TCR β Chain Diversity. <i>Journal of Immunology</i> , 2015 , 195, 4604-14	5.3	23
165	Towards multivalent CD1d ligands: synthesis and biological activity of homodimeric β -galactosyl ceramide analogues. <i>Carbohydrate Research</i> , 2012 , 356, 152-62	2.9	23
164	Further structural definition of a new family of glycopeptidolipids from <i>Mycobacterium xenopi</i> . <i>Biochemistry</i> , 1993 , 32, 347-55	3.2	23
163	Characterisation of phenolic glycolipids from <i>Mycobacterium marinum</i> . <i>Lipids and Lipid Metabolism</i> , 1990 , 1042, 176-81		23
162	The ppm operon is essential for acylation and glycosylation of lipoproteins in <i>Corynebacterium glutamicum</i> . <i>PLoS ONE</i> , 2012 , 7, e46225	3.7	23
161	Biochemical and structural characterization of mycobacterial aspartyl-tRNA synthetase AspS, a promising TB drug target. <i>PLoS ONE</i> , 2014 , 9, e113568	3.7	23
160	Amide analogues of CD1d agonists modulate iNKT-cell-mediated cytokine production. <i>ACS Chemical Biology</i> , 2012 , 7, 847-55	4.9	22
159	An N-linked glycan modulates the interaction between the CD1d heavy chain and beta 2-microglobulin. <i>Journal of Biological Chemistry</i> , 2006 , 281, 40369-78	5.4	22
158	Altered expression profile of mycobacterial surface glycopeptidolipids following treatment with the antifungal azole inhibitors econazole and clotrimazole. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 2087-2095	2.9	22
157	New pyruvylated, glycosylated acyltrehaloses from <i>Mycobacterium smegmatis</i> strains, and their implications for phage resistance in mycobacteria. <i>Carbohydrate Research</i> , 1994 , 251, 99-114	2.9	22
156	Characterization of the specific antigenicity of <i>Mycobacterium fortuitum</i> . <i>Biochemistry</i> , 1992 , 31, 6504-9	3.2	22
155	Ppm1-encoded polyprenyl monophosphomannose synthase activity is essential for lipoglycan synthesis and survival in mycobacteria. <i>PLoS ONE</i> , 2012 , 7, e48211	3.7	22
154	Novel insight into the reaction of nitro, nitroso and hydroxylamino benzothiazinones and of benzoxazinones with <i>Mycobacterium tuberculosis</i> DprE1. <i>Scientific Reports</i> , 2018 , 8, 13473	4.9	22

153	Ancient DNA analysis - An established technique in charting the evolution of tuberculosis and leprosy. <i>Tuberculosis</i> , 2015 , 95 Suppl 1, S140-4	2.6	21
152	Lipid biomarkers provide evolutionary signposts for the oldest known cases of tuberculosis. <i>Tuberculosis</i> , 2015 , 95 Suppl 1, S127-32	2.6	21
151	Ligand-dependent downregulation of MR1 cell surface expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10465-10475	11.5	21
150	Selectfluor and NFSI exo-glycal fluorination strategies applied to the enhancement of the binding affinity of galactofuranosyltransferase GlfT2 inhibitors. <i>Chemistry - A European Journal</i> , 2014 , 20, 15208-15215	4.8	21
149	Improving Mycobacterium bovis bacillus Calmette-Guérin as a vaccine delivery vector for viral antigens by incorporation of glycolipid activators of NKT cells. <i>PLoS ONE</i> , 2014 , 9, e108383	3.7	21
148	Mycolic acid biosynthesis: definition and targeting of the Claisen condensation step. <i>Lipids and Lipid Metabolism</i> , 1997 , 1346, 275-84		21
147	Modulation of CD1d-restricted NKT cell responses by CD4. <i>Journal of Leukocyte Biology</i> , 2007 , 82, 1455-65	6.5	21
146	Synthesis of mannopyranose disaccharides as photoaffinity probes for mannosyltransferases in Mycobacterium tuberculosis. <i>Carbohydrate Research</i> , 2004 , 339, 683-91	2.9	21
145	Characterization and regulation of inositol monophosphatase activity in Mycobacterium smegmatis. <i>Biochemical Journal</i> , 2002 , 361, 385-90	3.8	21
144	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. <i>Wellcome Open Research</i> , 2013 , 1, 18	4.8	21
143	Gold nanoparticle-linked analysis of carbohydrate-protein interactions, and polymeric inhibitors, using unlabelled proteins; easy measurements using a 'simple' digital camera. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2665-2672	7.3	20
142	Disruption of the serine/threonine protein kinase H affects phthiocerol dimycocerosates synthesis in Mycobacterium tuberculosis. <i>Microbiology (United Kingdom)</i> , 2013 , 159, 726-736	2.9	20
141	Synthesis and biological activity of alpha-glucosyl C24:0 and C20:2 ceramides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 3475-8	2.9	20
140	Critical role for CD1d-restricted invariant NKT cells in stimulating intrahepatic CD8 T-cell responses to liver antigen. <i>Gastroenterology</i> , 2008 , 134, 2132-43	13.3	20
139	Glycomimetic inhibitors of mycobacterial glycosyltransferases: targeting the TB cell wall. <i>ChemBioChem</i> , 2008 , 9, 2197-9	3.8	20
138	Galactosylceramide analogs with weak agonist activity for human iNKT cells define new candidate anti-inflammatory agents. <i>PLoS ONE</i> , 2010 , 5, e14374	3.7	20
137	Identification of novel Mt-Guab2 inhibitor series active against M. tuberculosis. <i>PLoS ONE</i> , 2012 , 7, e33886	3.7	20
136	Identification of a Desaturase Involved in Mycolic Acid Biosynthesis in Mycobacterium smegmatis. <i>PLoS ONE</i> , 2016 , 11, e0164253	3.7	20

- 135 7000 year-old tuberculosis cases from Hungary - Osteological and biomolecular evidence. *Tuberculosis*, **2015**, 95 Suppl 1, S13-7 2.6 19
- 134 Novel approaches to the inhibition of cytokine responses in asthma. *Journal of Pharmacy and Pharmacology*, **1997**, 49 Suppl 3, 25-31 4.8 19
- 133 Regulation of CD1 antigen-presenting complex stability. *Journal of Biological Chemistry*, **2010**, 285, 11937-47 3.4 19
- 132 Adjuvant properties of a simplified C32 monomycolyl glycerol analogue. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 2029-32 2.9 19
- 131 Antimycobacterial Activity and Mechanism of Action of NAS-91. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 1162-6 5.9 19
- 130 Disaccharide analogs as probes for glycosyltransferases in *Mycobacterium tuberculosis*. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 5629-50 3.4 19
- 129 Exploring the substrate specificity of a mycobacterial polyprenol monophosphomannose-dependent α -(1 \rightarrow 6)-mannosyltransferase. *ChemBioChem*, **2008**, 9, 267-78 3.8 19
- 128 Novel prenyl-linked benzophenone substrate analogues of mycobacterial mannosyltransferases. *Biochemical Journal*, **2004**, 382, 905-12 3.8 19
- 127 Arabinofuranose disaccharide analogs as inhibitors of *Mycobacterium tuberculosis*. *Tetrahedron*, **2003**, 59, 10239-10248 2.4 19
- 126 Oligosaccharides as inhibitors of mycobacterial arabinosyltransferases. Di- and trisaccharides containing C-3 modified arabinofuranosyl residues. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 1369-79 3.4 19
- 125 Cytidine diphosphate-diacylglycerol synthesis in *Mycobacterium smegmatis*. *Biochemical Journal*, **2002**, 367, 157-62 3.8 19
- 124 Deciphering the molecular basis of mycobacteria and lipoglycan recognition by the C-type lectin Dectin-2. *Scientific Reports*, **2018**, 8, 16840 4.9 19
- 123 Modular Synthesis of Diverse Natural Product-Like Macrocycles: Discovery of Hits with Antimycobacterial Activity. *Chemistry - A European Journal*, **2017**, 23, 7207-7211 4.8 18
- 122 Synthesis of deoxygenated α -(1 \rightarrow 5)-linked arabinofuranose disaccharides as substrates and inhibitors of arabinosyltransferases of *Mycobacterium tuberculosis*. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 872-81 3.4 18
- 121 Chemoenzymatic synthesis of feruloyl D-arabinose as a potential anti-mycobacterial agent. *Biotechnology Letters*, **2007**, 29, 1771-4 3 18
- 120 BCR targeting of biotin- α -galactosylceramide leads to enhanced presentation on CD1d and requires transport of BCR to CD1d-containing endocytic compartments. *International Immunology*, **2005**, 17, 899-908 4.9 18
- 119 Mimics of L-rhamnose: Synthesis of C-glycosides of L-rhamnofuranose and an azidoester as divergent intermediates for combinatorial generation of rhamnofuranose libraries. *Tetrahedron: Asymmetry*, **1996**, 7, 383-386 18
- 118 Antimycobacterial drug discovery using *Mycobacteria*-infected amoebae identifies anti-infectives and new molecular targets. *Scientific Reports*, **2018**, 8, 3939 4.9 17

117	Differential effects of Mycobacterium bovis--derived polar and apolar lipid fractions on bovine innate immune cells. <i>Veterinary Research</i> , 2012 , 43, 54	3.8	17
116	Characterization of a beta-hydroxybutyryl-CoA dehydrogenase from Mycobacterium tuberculosis. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 1975-1982	2.9	17
115	Synthesis and evaluation of an acyl-chain unsaturated analog of the Th2 biasing, immunostimulatory glycolipid, OCH. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3386-8	2.9	17
114	The synthesis of both enantiomers of lactobacillic acid and mycolic acid analogues. <i>Tetrahedron Letters</i> , 1999 , 40, 6689-6692	2	17
113	Structural characterization of a partially arabinosylated lipoarabinomannan variant isolated from a Corynebacterium glutamicum ubiA mutant. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 2621-2629	2.9	17
112	Structural and functional analysis of the solute-binding protein UspC from Mycobacterium tuberculosis that is specific for amino sugars. <i>Open Biology</i> , 2016 , 6,	7	17
111	Identification and characterization of a novel anti-inflammatory lipid isolated from Mycobacterium vaccae, a soil-derived bacterium with immunoregulatory and stress resilience properties. <i>Psychopharmacology</i> , 2019 , 236, 1653-1670	4.7	16
110	Differing roles of CD1d2 and CD1d1 proteins in type I natural killer T cell development and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1204-E1213	11.5	16
109	Pathophysiological Implications of Cell Envelope Structure in Mycobacterium tuberculosis and Related Taxa 2015 ,		16
108	Structure and function of Mycobacterium tuberculosis meso-diaminopimelic acid (DAP) biosynthetic enzymes. <i>FEMS Microbiology Letters</i> , 2012 , 330, 10-6	2.9	16
107	Structure of the diaminopimelate epimerase DapF from Mycobacterium tuberculosis. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009 , 65, 383-7		16
106	Synthesis and biological evaluation of a C5-biphenyl thiolactomycin library. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 5643-6	2.9	16
105	Identification of novel benzothiopyranone compounds against Mycobacterium tuberculosis through scaffold morphing from benzothiazinones. <i>European Journal of Medicinal Chemistry</i> , 2018 , 160, 157-170	6.8	16
104	The bovine CD1D gene has an unusual gene structure and is expressed but cannot present β -galactosylceramide with a C26 fatty acid. <i>International Immunology</i> , 2013 , 25, 91-8	4.9	15
103	Crystal structure of bovine CD1b3 with endogenously bound ligands. <i>Journal of Immunology</i> , 2010 , 185, 376-86	5.3	15
102	An alpha-galactosylceramide C20:2 N-acyl variant enhances anti-inflammatory and regulatory T cell-independent responses that prevent type 1 diabetes. <i>Clinical and Experimental Immunology</i> , 2010 , 160, 185-98	6.2	15
101	Synthesis and biological evaluation of NAS-21 and NAS-91 analogues as potential inhibitors of the mycobacterial FAS-II dehydratase enzyme Rv0636. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 1866-1875	2.9	15
100	Phage display-derived recombinant antibodies with TCR-like specificity against alpha-galactosylceramide and its analogues in complex with human CD1d molecules. <i>European Journal of Immunology</i> , 2008 , 38, 829-40	6.1	15

99	New lipophilic phthalimido- and 3-phenoxybenzyl sulfonates: inhibition of antigen 85C mycolyltransferase activity and cytotoxicity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006 , 21, 391-7	5.6	15
98	Novel inhibitors of Mycobacterium tuberculosis GuaB2 identified by a target based high-throughput phenotypic screen. <i>Scientific Reports</i> , 2016 , 6, 38986	4.9	15
97	β-mannosylceramide activates type I natural killer t cells to induce tumor immunity without inducing long-term functional energy. <i>Clinical Cancer Research</i> , 2013 , 19, 4404-11	12.9	14
96	Critical role for invariant chain in CD1d-mediated selection and maturation of Vα4-invariant NKT cells. <i>Immunology Letters</i> , 2011 , 139, 33-41	4.1	14
95	Differential arabinan capping of lipoarabinomannan modulates innate immune responses and impacts T helper cell differentiation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 44173-83	5.4	14
94	Identification of distinct human invariant natural killer T-cell response phenotypes to alpha-galactosylceramide. <i>BMC Immunology</i> , 2008 , 9, 71	3.7	14
93	Tuberculosis: a balanced diet of lipids and carbohydrates. <i>Biochemical Society Transactions</i> , 2008 , 36, 555-65	5.1	14
92	Regulation of cell wall synthesis and growth. <i>Current Molecular Medicine</i> , 2007 , 7, 247-76	2.5	14
91	Characterization of mycobacterial protein glycosyltransferase activity using synthetic peptide acceptors in a cell-free assay. <i>Glycobiology</i> , 2002 , 12, 427-34	5.8	14
90	Characterization of the specific antigenicity of representatives of M. senegalense and related bacteria. <i>Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology</i> , 1994 , 281, 415-32		14
89	Characteristic new members of the phthiocerol and phenolphthiocerol families from Mycobacterium ulcerans. <i>FEMS Microbiology Letters</i> , 1990 , 66, 11-13	2.9	14
88	Disruption of Mycobacterial AftB Results in Complete Loss of Terminal (1 → 2) Arabinofuranose Residues of Lipoarabinomannan. <i>ACS Chemical Biology</i> , 2017 , 12, 183-190	4.9	13
87	Human CD4+ invariant NKT cells are involved in antibacterial immunity against Brucella suis through CD1d-dependent but CD4-independent mechanisms. <i>European Journal of Immunology</i> , 2009 , 39, 1025-35	6.1	13
86	Synthesis and biological activity of alpha-L-fucosyl ceramides, analogues of the potent agonist, alpha-D-galactosyl ceramide KRN7000. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 3223-6	2.9	13
85	Rapid identification of immunostimulatory alpha-galactosylceramides using synthetic combinatorial libraries. <i>ACS Combinatorial Science</i> , 2007 , 9, 1084-93		13
84	Synthesis of symmetrical C- and pseudo-symmetrical O-linked disaccharide analogs for arabinosyltransferase inhibitory activity in Mycobacterium tuberculosis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 4527-30	2.9	13
83	Dimerization of inositol monophosphatase Mycobacterium tuberculosis SuhB is not constitutive, but induced by binding of the activator Mg2+. <i>BMC Structural Biology</i> , 2007 , 7, 55	2.7	13
82	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. <i>Wellcome Open Research</i> , 2016 , 1, 18	4.8	13

81	Gram-positive bacterial lipoglycans based on a glycosylated diacylglycerol lipid anchor are microbe-associated molecular patterns recognized by TLR2. <i>PLoS ONE</i> , 2013 , 8, e81593	3.7	13
80	Non-glycosidic compounds can stimulate both human and mouse iNKT cells. <i>European Journal of Immunology</i> , 2016 , 46, 1224-34	6.1	13
79	Fluorescent mannosides serve as acceptor substrates for glycosyltransferase and sugar-1-phosphate transferase activities in <i>Euglena gracilis</i> membranes. <i>Carbohydrate Research</i> , 2017 , 438, 26-38	2.9	12
78	Identification and characterization of aspartyl-tRNA synthetase inhibitors against <i>Mycobacterium tuberculosis</i> by an integrated whole-cell target-based approach. <i>Scientific Reports</i> , 2018 , 8, 12664	4.9	12
77	Genetics of <i>Mycobacterium</i> Arabinogalactan and Lipoarabinomannan Assembly. <i>Microbiology Spectrum</i> , 2014 , 2, MGM2-0013-2013	8.9	12
76	Identification of a terminal rhamnopyranosyltransferase (RptA) involved in <i>Corynebacterium glutamicum</i> cell wall biosynthesis. <i>Journal of Bacteriology</i> , 2009 , 191, 4879-87	3.5	12
75	Structure of <i>Mycobacterium tuberculosis</i> mtFabD, a malonyl-CoA:acyl carrier protein transacylase (MCAT). <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007 , 63, 831-5		12
74	Characterization of <i>Mycobacterium tuberculosis</i> diaminopimelic acid epimerase: paired cysteine residues are crucial for racemization. <i>FEMS Microbiology Letters</i> , 2008 , 280, 57-63	2.9	12
73	Synthesis of an arabinofuranosyl disaccharide photoaffinity probe for arabinosyltransferase activity in <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 2749-52	2.9	12
72	<i>Mycobacterium marinum</i> MMAR_2380, a predicted transmembrane acyltransferase, is essential for the presence of the mannose cap on lipoarabinomannan. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 3492-3502	2.9	12
71	Photoactivable Glycolipid Antigens Generate Stable Conjugates with CD1d for Invariant Natural Killer T Cell Activation. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3161-3173	6.3	11
70	Design, synthesis, and functional activity of labeled CD1d glycolipid agonists. <i>Bioconjugate Chemistry</i> , 2013 , 24, 586-94	6.3	11
69	Positive Diagnosis of Ancient Leprosy and Tuberculosis Using Ancient DNA and Lipid Biomarkers. <i>Diversity</i> , 2017 , 9, 46	2.5	11
68	Invariant natural killer T cells are not affected by lysosomal storage in patients with Niemann-Pick disease type C. <i>European Journal of Immunology</i> , 2012 , 42, 1886-92	6.1	11
67	Preparation, characterisation and entrapment of a non-glycosidic threitol ceramide into liposomes for presentation to invariant natural killer T cells. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 2724-33	3.9	11
66	Synthesis of a novel alpha-galactosyl ceramide haptenated-lipid antigen, a useful tool in demonstrating the involvement of iNKT cells in the production of antilipid antibodies. <i>Bioconjugate Chemistry</i> , 2010 , 21, 741-7	6.3	11
65	Synthesis of threitol ceramide and [¹⁴ C]threitol ceramide, non-glycosidic analogues of the potent CD1d antigen alpha-galactosyl ceramide. <i>Tetrahedron: Asymmetry</i> , 2009 , 20, 747-753		11
64	Deletion of manC in <i>Corynebacterium glutamicum</i> results in a phospho-myo-inositol mannoside- and lipoglycan-deficient mutant. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 1908-1917	2.9	11

63	The hydrolase Lpql primes mycobacterial peptidoglycan recycling. <i>Nature Communications</i> , 2019 , 10, 2647	17.4	10
62	Targeting mitochondrial dysfunction in MAIT cells limits IL-17 production in obesity. <i>Cellular and Molecular Immunology</i> , 2020 , 17, 1193-1195	15.4	10
61	AftD functions as an β -> 5 arabinofuranosyltransferase involved in the biosynthesis of the mycobacterial cell wall core. <i>Cell Surface</i> , 2018 , 1, 2-14	4.8	10
60	Stimulation of a shorter duration in the state of anergy by an invariant natural killer T cell agonist enhances its efficiency of protection from type 1 diabetes. <i>Clinical and Experimental Immunology</i> , 2011 , 164, 26-41	6.2	10
59	Mycobacterium tuberculosis acyl carrier protein synthase adopts two different pH-dependent structural conformations. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2011 , 67, 657-69		10
58	Requirement for invariant chain in macrophages for Mycobacterium tuberculosis replication and CD1d antigen presentation. <i>Infection and Immunity</i> , 2011 , 79, 3053-63	3.7	10
57	Sterile activation of invariant natural killer T cells by ER-stressed antigen-presenting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23671-23681	11.5	9
56	Elucidation of a protein-protein interaction network involved in Corynebacterium glutamicum cell wall biosynthesis as determined by bacterial two-hybrid analysis. <i>Glycoconjugate Journal</i> , 2014 , 31, 475-83	3.3	9
55	Calreticulin controls the rate of assembly of CD1d molecules in the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2010 , 285, 38283-92	5.4	9
54	Structural definition of the glycopeptidolipids and the pyruvylated, glycosylated acyltrehalose from Mycobacterium butyricum. <i>Carbohydrate Research</i> , 1995 , 276, 449-55	2.9	9
53	Evasion of MAIT cell recognition by the African Typhimurium ST313 pathovar that causes invasive disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 20717-20728	11.5	8
52	Novel derivatives of nitro-substituted salicylic acids: Synthesis, antimicrobial activity and cytotoxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 7292-301	3.4	8
51	Mycobacterial drug discovery. <i>RSC Medicinal Chemistry</i> , 2020 , 11, 1354-1365	3.5	8
50	MKAN27435 is required for the biosynthesis of higher subclasses of lipooligosaccharides in Mycobacterium kansasii. <i>PLoS ONE</i> , 2015 , 10, e0122804	3.7	8
49	Synthesis of truncated analogues of the iNKT cell agonist, β -galactosyl ceramide (KRN7000), and their biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 221-8	3.4	8
48	Distinct requirements for CD1d intracellular transport for development of V(alpha)14 iNKT cells. <i>Journal of Immunology</i> , 2009 , 183, 1780-8	5.3	8
47	New drugs and vaccines for drug-resistant Mycobacterium tuberculosis infections. <i>Expert Review of Vaccines</i> , 2008 , 7, 481-97	5.2	8
46	Synthesis and properties of methyl 5-(1'R,2'S)-(2-octadecylcycloprop-1-yl)pentanoate and other omega-19 chiral cyclopropane fatty acids and esters related to mycobacterial mycolic acids. <i>Chemistry and Physics of Lipids</i> , 2004 , 127, 35-46	3.7	8

45	New members of the phthiocerol and phenolphthiocerol families from <i>Mycobacterium marinum</i> . <i>Journal of the Chemical Society Chemical Communications</i> , 1989 , 1451		8
44	Utilisation of the Prestwick Chemical Library to identify drugs that inhibit the growth of mycobacteria. <i>PLoS ONE</i> , 2019 , 14, e0213713	3.7	7
43	Essentials in the use of mycolic acid biomarkers for tuberculosis detection: response to High-throughput mass spectrometric analysis of 1400-year-old mycolic acids as biomarkers for ancient tuberculosis infection by. <i>Journal of Archaeological Science</i> , 2010 , 37, 2407-2412	2.9	7
42	The synthesis of methyl 4-(2-octadecylcyclopropen-1-yl)butanoate: a possible inhibitor in mycolic acid biosynthesis. <i>Chemistry and Physics of Lipids</i> , 1993 , 66, 35-40	3.7	7
41	Expression of CD1c enhances human invariant NKT cell activation by α GalCer. <i>Cancer Immunity</i> , 2013 , 13, 9		7
40	Antibiotics and resistance: the two-sided coin of the mycobacterial cell wall. <i>Cell Surface</i> , 2020 , 6, 100044	4.8	7
39	Synthesis and recycling of the mycobacterial cell envelope. <i>Current Opinion in Microbiology</i> , 2021 , 60, 58-65	7.9	7
38	Mrp1 is involved in lipid presentation and iNKT cell activation by <i>Streptococcus pneumoniae</i> . <i>Nature Communications</i> , 2018 , 9, 4279	17.4	7
37	Development of a whole-cell high-throughput phenotypic screen to identify inhibitors of mycobacterial amino acid biosynthesis. <i>FASEB BioAdvances</i> , 2019 , 1, 246-254	2.8	6
36	Morphological and biomolecular evidence for tuberculosis in 8th century AD skeletons from BMEgyer-CsHó domb, Hungary. <i>Tuberculosis</i> , 2015 , 95 Suppl 1, S35-41	2.6	6
35	A Subset of CD8 α Invariant NKT Cells in a Humanized Mouse Model. <i>Journal of Immunology</i> , 2015 , 195, 1459-69	5.3	6
34	Endoplasmic reticulum glycoprotein quality control regulates CD1d assembly and CD1d-mediated antigen presentation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 16391-16402	5.4	6
33	Monoclonal antibodies to <i>Mycobacterium tuberculosis</i> CDC 1551 reveal subcellular localization of MPT51. <i>Tuberculosis</i> , 2007 , 87, 489-97	2.6	6
32	Use of a codon alteration strategy in a novel approach to cloning the <i>Mycobacterium tuberculosis</i> diaminopimelic acid epimerase. <i>FEMS Microbiology Letters</i> , 2006 , 262, 39-47	2.9	6
31	The Cell-Wall Core of <i>Mycobacterium</i> : Structure, Biogenesis and Genetics		240-259 6
30	Tissue-specific shaping of the TCR repertoire and antigen specificity of iNKT cells. <i>ELife</i> , 2019 , 8,	8.9	6
29	Promotion or Suppression of Murine Intestinal Polyp Development by iNKT Cell Directed Immunotherapy. <i>Frontiers in Immunology</i> , 2019 , 10, 352	8.4	5
28	Cryo-EM snapshots of mycobacterial arabinosyltransferase complex EmbB-AcpM. <i>Protein and Cell</i> , 2020 , 11, 505-517	7.2	5

27	A hybrid of the transhydrogenases from <i>Rhodospirillum rubrum</i> and <i>Mycobacterium tuberculosis</i> catalyses rapid hydride transfer but not the complete, proton-translocating reaction. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 215-23	4.6	5
26	Endocytic pH regulates cell surface localization of glycolipid antigen loaded CD1d complexes. <i>Chemistry and Physics of Lipids</i> , 2015 , 191, 75-83	3.7	4
25	In contrast to other species, β -Galactosylceramide (β GalCer) is not an immunostimulatory NKT cell agonist in horses. <i>Developmental and Comparative Immunology</i> , 2015 , 49, 49-58	3.2	4
24	"Endocytic pH regulates cell surface localization of glycolipid antigen loaded CD1d complexes". <i>Chemistry and Physics of Lipids</i> , 2016 , 194, 49-57	3.7	4
23	Crystallization and preliminary X-ray diffraction data of <i>Mycobacterium tuberculosis</i> FbpC1 (Rv3803c). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 2303-5		4
22	Characteristic new members of the phthiocerol and phenolphthiocerol families from <i>Mycobacterium ulcerans</i> . <i>FEMS Microbiology Letters</i> , 1990 , 54, 11-4	2.9	4
21	Oldest evidence of tuberculosis in Argentina: A multidisciplinary investigation in an adult male skeleton from Saujil, Tinogasta, Catamarca (905-1030 CE). <i>Tuberculosis</i> , 2020 , 125, 101995	2.6	4
20	The singular Emb arabinofuranosyltransferase polymerises the β 1 \rightarrow 5) arabinan backbone in the early stages of cell wall arabinan biosynthesis. <i>Cell Surface</i> , 2018 , 2, 38-53	4.8	4
19	Antibiotics and New Inhibitors of the Cell Wall		3
18	Colworth prize lecture 2016: exploiting new biological targets from a whole-cell phenotypic screening campaign for TB drug discovery. <i>Microbiology (United Kingdom)</i> , 2017 , 163, 1385-1388	2.9	3
17	Discovery of Novel Thiophene-arylamide Derivatives as DprE1 Inhibitors with Potent Antimycobacterial Activities. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 6241-6261	8.3	3
16	Two-Way Regulation of MmpL3 Expression Identifies and Validates Inhibitors of MmpL3 Function in. <i>ACS Infectious Diseases</i> , 2021 , 7, 141-152	5.5	3
15	Crystal structure of the TreS:Pep2 complex, initiating β -glucan synthesis in the GlgE pathway of mycobacteria. <i>Journal of Biological Chemistry</i> , 2019 , 294, 7348-7359	5.4	2
14	A multi-targeting pre-clinical candidate against drug-resistant tuberculosis. <i>Tuberculosis</i> , 2021 , 129, 102104	10.4	2
13	Development of a novel secondary phenotypic screen to identify hits within the mycobacterial protein synthesis pipeline. <i>FASEB BioAdvances</i> , 2020 , 2, 600-612	2.8	1
12	Anti-tubercular derivatives of rhein require activation by the monoglyceride lipase Rv0183. <i>Cell Surface</i> , 2020 , 6, 100040	4.8	1
11	Identification of thiophene-benzenesulfonamide derivatives for the treatment of multidrug-resistant tuberculosis.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 231, 114145	6.8	1
10	Tuberculosis diagnostics: overcoming ancient challenges with modern solutions. <i>Emerging Topics in Life Sciences</i> , 2020 , 4, 423-436	3.5	1

9	PPAR α controls CD1d expression by turning on retinoic acid synthesis in developing human dendritic cells. <i>Journal of Cell Biology</i> , 2006 , 175, i1-i1	7.3	1
8	CD1a selectively captures endogenous cellular lipids that broadly block T cell response. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	1
7	Determinants of the Inhibition of DprE1 and CYP2C9 by Antitubercular Thiophenes. <i>Angewandte Chemie</i> , 2017 , 129, 13191-13195	3.6	0
6	The P5-type ATPase ATP13A1 modulates major histocompatibility complex I-related protein 1 (MR1)-mediated antigen presentation.. <i>Journal of Biological Chemistry</i> , 2021 , 101542	5.4	0
5	The multi-target aspect of an MmpL3 inhibitor: The BM212 series of compounds bind EthR2, a transcriptional regulator of ethionamide activation. <i>Cell Surface</i> , 2021 , 7, 100068	4.8	0
4	Chemical insights into the search for MAIT cells activators. <i>Molecular Immunology</i> , 2021 , 129, 114-120	4.3	0
3	Genetics of Mycobacterial Arabinogalactan and Lipoarabinomannan Assembly	535-557	
2	Recognising the broad array of approaches available for the diagnosis of ancient tuberculosis: Comment on Infectious diseases and Neolithic transformations [Fuchs et al. 2019 The Holocene 29: 1545-1557]. <i>Holocene</i> , 2020 , 30, 781-783	2.6	
1	Biochemical and phenotypic characterisation of the transporter UspABC. <i>Cell Surface</i> , 2021 , 7, 100052	4.8	