Laurent Kremer

List of Publications by Year
in descending order

247 papers	14,137 citations	16451 64 h-index	30087 103 g-index
258 all docs	258 docs citations	258 times ranked	10652 citing authors

#	Article	IF	Citations
1	Growth of <i>Mycobacterium tuberculosis</i> biofilms containing free mycolic acids and harbouring drugâ€tolerant bacteria. Molecular Microbiology, 2008, 69, 164-174.	2.5	454
2	Non-tuberculous mycobacteria and the rise of Mycobacterium abscessus. Nature Reviews Microbiology, 2020, 18, 392-407.	28.6	407
3	Mycobacterial lipoarabinomannan and related lipoglycans: from biogenesis to modulation of the immune response. Molecular Microbiology, 2004, 53, 391-403.	2.5	385
4	GroEL1: A Dedicated Chaperone Involved in Mycolic Acid Biosynthesis during Biofilm Formation in Mycobacteria. Cell, 2005, 123, 861-873.	28.9	379
5	<i>Mycobacterium abscessus</i> cording prevents phagocytosis and promotes abscess formation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E943-52.	7.1	314
6	Transfer of a point mutation in Mycobacterium tuberculosisÂinhA resolves the target of isoniazid. Nature Medicine, 2006, 12, 1027-1029.	30.7	281
7	The Fatty Acid Biosynthesis Enzyme FabI Plays a Key Role in the Development of Liver-Stage Malarial Parasites. Cell Host and Microbe, 2008, 4, 567-578.	11.0	273
8	Altered NADH/NAD + Ratio Mediates Coresistance to Isoniazid and Ethionamide in Mycobacteria. Antimicrobial Agents and Chemotherapy, 2005, 49, 708-720.	3.2	263
9	The Methyl-Branched Fortifications of Mycobacterium tuberculosis. Chemistry and Biology, 2002, 9, 545-553.	6.0	242
10	Thiolactomycin and Related Analogues as Novel Anti-mycobacterial Agents Targeting KasA and KasB Condensing Enzymes inMycobacterium tuberculosis. Journal of Biological Chemistry, 2000, 275, 16857-16864.	3.4	231
11	Toll-Like Receptor 2 (TLR2)-Dependent-Positive and TLR2-Independent-Negative Regulation of Proinflammatory Cytokines by Mycobacterial Lipomannans. Journal of Immunology, 2004, 172, 4425-4434.	0.8	231
12	Deletion of kasB in Mycobacterium tuberculosis causes loss of acid-fastness and subclinical latent tuberculosis in immunocompetent mice. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5157-5162.	7.1	194
13	TheMycobacterium tuberculosisFAS-II condensing enzymes: their role in mycolic acid biosynthesis, acid-fastness, pathogenesis and in future drug development. Molecular Microbiology, 2007, 64, 1442-1454.	2.5	188
14	Division and cell envelope regulation by Ser/Thr phosphorylation: <i>Mycobacterium</i> shows the way. Molecular Microbiology, 2010, 75, 1064-1077.	2.5	186
15	Overexpression ofinhA, but notkasA, confers resistance to isoniazid and ethionamide inMycobacterium smegmatis,M. bovisBCG andM. tuberculosis. Molecular Microbiology, 2002, 46, 453-466.	2.5	176
16	Identification and Substrate Specificity of Î2-Ketoacyl (Acyl Carrier Protein) Synthase III (mtFabH) from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2000, 275, 28201-28207.	3.4	165
17	Green fluorescent protein as a new expression marker in mycobacteria. Molecular Microbiology, 1995, 17, 913-922.	2.5	154
18	Galactan Biosynthesis in Mycobacterium tuberculosis. Journal of Biological Chemistry, 2001, 276, 26430-26440.	3.4	147

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19	Immunoregulatory functions of interleukin 18 and its role in defense against bacterial pathogens. Journal of Molecular Medicine, 2002, 80, 147-162.	3.9	146
20	EthA, a Common Activator of Thiocarbamide-Containing Drugs Acting on Different Mycobacterial Targets. Antimicrobial Agents and Chemotherapy, 2007, 51, 1055-1063.	3.2	143
21	Mycobacterium tuberculosis Lipomannan Induces Apoptosis and Interleukin-12 Production in Macrophages. Infection and Immunity, 2004, 72, 2067-2074.	2.2	140
22	An FHA Phosphoprotein Recognition Domain Mediates Protein EmbR Phosphorylation by PknH, a Ser/Thr Protein Kinase from <i>Mycobacterium tuberculosis</i>. Biochemistry, 2003, 42, 15300-15309.	2.5	136
23	The distinct fate of smooth and rough<i>Mycobacterium abscessus</i>variants inside macrophages. Open Biology, 2016, 6, 160185.	3.6	132
24	Conditional Depletion of KasA, a Key Enzyme of Mycolic Acid Biosynthesis, Leads to Mycobacterial Cell Lysis. Journal of Bacteriology, 2005, 187, 7596-7606.	2.2	130
25	Antituberculosis thiophenes define a requirement for Pks13 in mycolic acid biosynthesis. Nature Chemical Biology, 2013, 9, 499-506.	8.0	129
26	Lipomannans, But Not Lipoarabinomannans, Purified from<i>Mycobacterium chelonae</i>and<i>Mycobacterium kansasii</i>Induce TNF-Î± and IL-8 Secretion by a CD14-Toll-Like Receptor 2-Dependent Mechanism. Journal of Immunology, 2003, 171, 2014-2023.	0.8	128
27	Functional Role of the PE Domain and Immunogenicity of the <i>Mycobacterium tuberculosis</i> Triacylglycerol Hydrolase LipY. Infection and Immunity, 2008, 76, 127-140.	2.2	127
28	Î²-Lactamase inhibition by avibactam in <i>Mycobacterium abscessus</i>. Journal of Antimicrobial Chemotherapy, 2015, 70, 1051-1058.	3.0	126
29	Biochemical Characterization of Acyl Carrier Protein (AcpM) and Malonyl-CoA:AcpM Transacylase (mtFabD), Two Major Components ofMycobacterium tuberculosis Fatty Acid Synthase II. Journal of Biological Chemistry, 2001, 276, 27967-27974.	3.4	113
30	Enzymatic Hydrolysis of Trehalose Dimycolate Releases Free Mycolic Acids during Mycobacterial Growth in Biofilms. Journal of Biological Chemistry, 2010, 285, 17380-17389.	3.4	113
31	Mycolic acid biosynthesis and enzymic characterization of the Î²-ketoacyl-ACP synthase A-condensing enzyme from Mycobacterium tuberculosis. Biochemical Journal, 2002, 364, 423-430.	3.7	112
32	Mycobacterial Lipomannan Induces Granuloma Macrophage Fusion via a TLR2-Dependent, ADAM9- and Î²1 Integrin-Mediated Pathway. Journal of Immunology, 2007, 178, 3161-3169.	0.8	112
33	Thiacetazone, an Antitubercular Drug that Inhibits Cyclopropanation of Cell Wall Mycolic Acids in Mycobacteria. PLoS ONE, 2007, 2, e1343.	2.5	112
34	The diverse family of <scp>M</scp>mp<scp>L</scp> transporters in mycobacteria: from regulation to antimicrobial developments. Molecular Microbiology, 2017, 104, 889-904.	2.5	109
35	Structural Study of Lipomannan and Lipoarabinomannan fromMycobacterium chelonae. Journal of Biological Chemistry, 2002, 277, 30635-30648.	3.4	107
36	Ppm1, a novel polyprenol monophosphomannose synthase from Mycobacterium tuberculosis. Biochemical Journal, 2002, 365, 441-450.	3.7	107

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37	Recent advances and therapeutic journey of coumarins: current status and perspectives. Medicinal Chemistry Research, 2015, 24, 2771-2798.	2.4	107
38	The use of microarray analysis to determine the gene expression profiles of Mycobacterium tuberculosis in response to anti-bacterial compounds. Tuberculosis, 2004, 84, 263-274.	1.9	106
39	Keto-Mycolic Acid-Dependent Pellicle Formation Confers Tolerance to Drug-Sensitive Mycobacterium tuberculosis. MBio, 2013, 4, e00222-13.	4.1	103
40	The Condensing Activities of the Mycobacterium tuberculosis Type II Fatty Acid Synthase Are Differentially Regulated by Phosphorylation. Journal of Biological Chemistry, 2006, 281, 30094-30103.	3.4	101
41	A new piperidinol derivative targeting mycolic acid transport in <i>Mycobacterium abscessus</i>. Molecular Microbiology, 2016, 101, 515-529.	2.5	100
42	Identification of genes required for <i>Mycobacterium abscessus</i> growth in vivo with a prominent role of the ESX-4 locus. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1002-E1011.	7.1	98
43	The M. tuberculosis antigen 85 complex and mycolyltransferase activity. Letters in Applied Microbiology, 2002, 34, 233-237.	2.2	88
44	Lipomannan and Lipoarabinomannan from a Clinical Isolate of Mycobacterium kansasii. Journal of Biological Chemistry, 2003, 278, 36637-36651.	3.4	86
45	From the Characterization of the Four Serine/Threonine Protein Kinases (PknA/B/G/L) of Corynebacterium glutamicum toward the Role of PknA and PknB in Cell Division. Journal of Biological Chemistry, 2008, 283, 18099-18112.	3.4	86
46	TLR2-dependent eosinophil interactions with mycobacteria: role of Î±-defensins. Blood, 2009, 113, 3235-3244.	1.4	86
47	Characterization of a putative Î±-mannosyltransferase involved in phosphatidylinositol trimannoside biosynthesis in Mycobacterium tuberculosis. Biochemical Journal, 2002, 363, 437-447.	3.7	84
48	A <i>Mycobacterium marinum</i> TesA mutant defective for major cell wallâ€associated lipids is highly attenuated in <i>Dictyostelium discoideum</i> and zebrafish embryos. Molecular Microbiology, 2011, 80, 919-934.	2.5	82
49	Insights into the smoothâ€toâ€rough transitioning in <i>Mycobacterium bolletii</i> unravels a functional Tyr residue conserved in all mycobacterial MmpL family members. Molecular Microbiology, 2016, 99, 866-883.	2.5	82
50	1<i>H</i>-1,2,3-Triazole-Tethered Isatinâ€“Ferrocene and Isatinâ€“Ferrocenylchalcone Conjugates: Synthesis and in Vitro Antitubercular Evaluation. Organometallics, 2013, 32, 5713-5719.	2.3	81
51	<i>In Vivo</i> Assessment of Drug Efficacy against Mycobacterium abscessus Using the Embryonic Zebrafish Test System. Antimicrobial Agents and Chemotherapy, 2014, 58, 4054-4063.	3.2	81
52	Glycopeptidolipids, a Double-Edged Sword of the Mycobacterium abscessus Complex. Frontiers in Microbiology, 2018, 9, 1145.	3.5	80
53	Analysis of the Mycobacterium tuberculosis 85A antigen promoter region. Journal of Bacteriology, 1995, 177, 642-653.	2.2	79
54	Synthesis and in vitro antitubercular activity of ferrocene-based hydrazones. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2866-2868.	2.2	79

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55	Bedaquiline Inhibits the ATP Synthase in Mycobacterium abscessus and Is Effective in Infected Zebrafish. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	79
56	Mycobacterium bovis Bacillus Calmette GuÃ©rin infection prevents apoptosis of resting human monocytes. European Journal of Immunology, 1997, 27, 2450-2456.	2.9	78
57	Mycobacterium abscessus-Induced Granuloma Formation Is Strictly Dependent on TNF Signaling and Neutrophil Trafficking. PLoS Pathogens, 2016, 12, e1005986.	4.7	78
58	Molecular structure of EmbR, a response element of Ser/Thr kinase signaling in Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2558-2563.	7.1	76
59	Inhibition of the Î²-Lactamase Bla _{Mab} by Avibactam Improves the <i>In Vitro</i> and <i>In Vivo</i> Efficacy of Imipenem against Mycobacterium abscessus. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	73
60	Dynamic and Structural Characterization of a Bacterial FHA Protein Reveals a New Autoinhibition Mechanism. Structure, 2009, 17, 568-578.	3.3	72
61	Identification of KasA as the cellular target of an anti-tubercular scaffold. Nature Communications, 2016, 7, 12581.	12.8	72
62	Phosphorylation of the Mycobacterium tuberculosis Î²-Ketoacyl-Acyl Carrier Protein Reductase MabA Regulates Mycolic Acid Biosynthesis. Journal of Biological Chemistry, 2010, 285, 12714-12725.	3.4	71
63	The Mycobacterium tuberculosis Î²-Ketoacyl-Acyl Carrier Protein Synthase III Activity Is Inhibited by Phosphorylation on a Single Threonine Residue. Journal of Biological Chemistry, 2009, 284, 6414-6424.	3.4	69
64	Experimental Models of Foamy Macrophages and Approaches for Dissecting the Mechanisms of Lipid Accumulation and Consumption during Dormancy and Reactivation of Tuberculosis. Frontiers in Cellular and Infection Microbiology, 2016, 6, 122.	3.9	68
65	Deletion of a dehydratase important for intracellular growth and cording renders rough <i>Mycobacterium abscessus</i> avirulent. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4228-37.	7.1	67
66	Inhibition of InhA Activity, but Not KasA Activity, Induces Formation of a KasA-containing Complex in Mycobacteria. Journal of Biological Chemistry, 2003, 278, 20547-20554.	3.4	66
67	Characterization of a putative Î±-mannosyltransferase involved in phosphatidylinositol trimannoside biosynthesis in Mycobacterium tuberculosis. Biochemical Journal, 2002, 363, 437.	3.7	65
68	The Diverse Cellular and Animal Models to Decipher the Physiopathological Traits of Mycobacterium abscessus Infection. Frontiers in Cellular and Infection Microbiology, 2017, 7, 100.	3.9	65
69	Phosphorylation of KasB Regulates Virulence and Acid-Fastness in Mycobacterium tuberculosis. PLoS Pathogens, 2014, 10, e1004115.	4.7	63
70	Current status and future development of antitubercular chemotherapy. Expert Opinion on Investigational Drugs, 2002, 11, 1033-1049.	4.1	62
71	LosA, a Key Glycosyltransferase Involved in the Biosynthesis of a Novel Family of Glycosylated Acyltrehalose Lipooligosaccharides from Mycobacterium marinum. Journal of Biological Chemistry, 2005, 280, 42124-42133.	3.4	62
72	Targeting Mycolic Acid Transport by Indole-2-carboxamides for the Treatment of <i>Mycobacterium abscessus</i> Infections. Journal of Medicinal Chemistry, 2017, 60, 5876-5888.	6.4	61

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73	Phosphorylation of InhA inhibits mycolic acid biosynthesis and growth of <i>Mycobacterium tuberculosis</i>. Molecular Microbiology, 2010, 78, 1591-1605.	2.5	60
74	Synthesis, Antitubercular Activity and Mechanism of Resistance of Highly Effective Thiacetazone Analogues. PLoS ONE, 2013, 8, e53162.	2.5	60
75	Mycobacterial lipolytic enzymes: A gold mine for tuberculosis research. Biochimie, 2013, 95, 66-73.	2.6	59
76	CFTR Protects against Mycobacterium abscessus Infection by Fine-Tuning Host Oxidative Defenses. Cell Reports, 2019, 26, 1828-1840.e4.	6.4	58
77	Phosphorylation of Mycobacterial PcaA Inhibits Mycolic Acid Cyclopropanation. Journal of Biological Chemistry, 2012, 287, 26187-26199.	3.4	56
78	Identification and structural characterization of an unusual mycobacterial monomeromycolyl-diacylglycerol. Molecular Microbiology, 2005, 57, 1113-1126.	2.5	55
79	Antitubercular Activity of Disulfiram, an Antialcoholism Drug, against Multidrug- and Extensively Drug-Resistant Mycobacterium tuberculosis Isolates. Antimicrobial Agents and Chemotherapy, 2012, 56, 4140-4145.	3.2	55
80	Synthesis and in vitro anti-tubercular evaluation of 1,2,3-triazole tethered Î2-lactamâ€“ferrocene and Î2-lactamâ€“ferrocenylchalcone chimeric scaffolds. Dalton Transactions, 2012, 41, 5778.	3.3	55
81	Mutations in the MAB_2299c TetR Regulator Confer Cross-Resistance to Clofazimine and Bedaquiline in <i>Mycobacterium abscessus</i>. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	55
82	Probing the Mechanism of the Mycobacterium tuberculosis Î2-Ketoacyl-Acyl Carrier Protein Synthase III mtFabH. Journal of Biological Chemistry, 2005, 280, 32539-32547.	3.4	54
83	The <i>Mycobacterium tuberculosis</i> serine/threonine kinase PknL phosphorylates Rv2175c: Mass spectrometric profiling of the activation loop phosphorylation sites and their role in the recruitment of Rv2175c. Proteomics, 2008, 8, 521-533.	2.2	54
84	Temperature-induced changes in the cell-wall components of Mycobacterium thermoresistibile. Microbiology (United Kingdom), 2002, 148, 3145-3154.	1.8	54
85	Acid-Fast Positive and Acid-Fast Negative <i>Mycobacterium tuberculosis</i> : The Koch Paradox. Microbiology Spectrum, 2017, 5, .	3.0	53
86	In vitro evaluation of a new drug combination against clinical isolates belonging to the Mycobacterium abscessus complex. Clinical Microbiology and Infection, 2014, 20, O1124-O1127.	6.0	52
87	Resistance to Thiacetazone Derivatives Active against Mycobacterium abscessus Involves Mutations in the MmpL5 Transcriptional Repressor MAB_4384. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	51
88	Mycobacterium tuberculosis Lipolytic Enzymes as Potential Biomarkers for the Diagnosis of Active Tuberculosis. PLoS ONE, 2011, 6, e25078.	2.5	51
89	Mycobacterial Lipomannan Induces Matrix Metalloproteinase-9 Expression in Human Macrophagic Cells through a Toll-Like Receptor 1 (TLR1)/TLR2- and CD14-Dependent Mechanism. Infection and Immunity, 2005, 73, 7064-7068.	2.2	50
90	Dual Inhibition of Mycobacterial Fatty Acid Biosynthesis and Degradation by 2-Alkynoic Acids. Chemistry and Biology, 2006, 13, 297-307.	6.0	50

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91	7â€Chloroquinolineâ€“isatin Conjugates: Antimalarial, Antitubercular, and Cytotoxic Evaluation. Chemical Biology and Drug Design, 2014, 83, 622-629.	3.2	50
92	MmPPOX Inhibits Mycobacterium tuberculosis Lipolytic Enzymes Belonging to the Hormone-Sensitive Lipase Family and Alters Mycobacterial Growth. PLoS ONE, 2012, 7, e46493.	2.5	50
93	Azideâ€“alkynecycloadditionen route towards 1H-1,2,3-triazole-tethered Î²-lactamâ€“ferrocene and Î²-lactamâ€“ferrocenylchalcone conjugates: synthesis and in vitro anti-tubercular evaluation. Dalton Transactions, 2013, 42, 1492-1500.	3.3	49
94	Deciphering and Imaging Pathogenesis and Cording of Mycobacterium abscessus in Zebrafish Embryos. Journal of Visualized Experiments, 2015, , .	0.3	48
95	The Structure of Mycobacterium tuberculosis MPT51 (FbpC1) Defines a New Family of Non-catalytic Î±/Î² Hydrolases. Journal of Molecular Biology, 2004, 335, 519-530.	4.2	47
96	Mycobacterium bovis BCG Producing Interleukin-18 Increases Antigen-Specific Gamma Interferon Production in Mice. Infection and Immunity, 2002, 70, 6549-6557.	2.2	46
97	Protein PknE, a novel transmembrane eukaryotic-like serine/threonine kinase from Mycobacterium tuberculosis. Biochemical and Biophysical Research Communications, 2003, 308, 820-825.	2.1	46
98	Acetic Acid, the Active Component of Vinegar, Is an Effective Tuberculocidal Disinfectant. MBio, 2014, 5, e00013-14.	4.1	45
99	pH-dependent pore-forming activity of OmpATb from Mycobacterium tuberculosis and characterization of the channel by peptidic dissection. Molecular Microbiology, 2006, 61, 826-837.	2.5	44
100	Active Benzimidazole Derivatives Targeting the MmpL3 Transporter in <i>Mycobacterium abscessus</i>. ACS Infectious Diseases, 2020, 6, 324-337.	3.8	44
101	Systemic and Mucosal Immune Responses after Intranasal Administration of Recombinant<i>Mycobacterium bovis</i>Bacillus Calmette-Gueìrin Expressing Glutathione<i>S</i>-Transferase from<i>Schistosoma haematobium</i>. Infection and Immunity, 1998, 66, 5669-5676.	2.2	43
102	Ineffective Cellular Immune Response Associated with T-Cell Apoptosis in Susceptible Mycobacterium bovis BCG-Infected Mice. Infection and Immunity, 2000, 68, 4264-4273.	2.2	43
103	Dissecting <i>erm</i> (41)-Mediated Macrolide-Inducible Resistance in Mycobacterium abscessus. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	43
104	The Molecular Genetics of Mycolic Acid Biosynthesis. Microbiology Spectrum, 2014, 2, MGM2-0003-2013.	3.0	42
105	MmpL8 _{MAB} controls <i>Mycobacterium abscessus</i> virulence and production of a previously unknown glycolipid family. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10147-E10156.	7.1	42
106	Mycolic acid methyltransferase, MmaA4, is necessary for thiacetazone susceptibility in <i>Mycobacterium tuberculosis</i>. Molecular Microbiology, 2009, 71, 1263-1277.	2.5	41
107	Negative regulation by Ser/Thr phosphorylation of HadAB and HadBC dehydratases from Mycobacterium tuberculosis type II fatty acid synthase system. Biochemical and Biophysical Research Communications, 2011, 412, 401-406.	2.1	41
108	Synthesis, characterization and inÂvitro anti-Trypanosoma cruzi and anti-Mycobacterium tuberculosis evaluations of cyrhetrenyl and ferrocenyl thiosemicarbazones. Journal of Organometallic Chemistry, 2014, 755, 1-6.	1.8	41

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109	The<i>Mycobacterium tuberculosis</i>GroEL1 Chaperone Is a Substrate of Ser/Thr Protein Kinases. Journal of Bacteriology, 2009, 191, 2876-2883.	2.2	40
110	Cyclipostins and Cyclophostin analogs as promising compounds in the fight against tuberculosis. Scientific Reports, 2017, 7, 11751.	3.3	40
111	Efficient homologous recombination in fast-growing and slow-growing mycobacteria. Journal of Bacteriology, 1996, 178, 3091-3098.	2.2	39
112	Mycobacterium marinum Lipooligosaccharides Are Unique Caryophyllose-containing Cell Wall Glycolipids That Inhibit Tumor Necrosis Factor-Î± Secretion in Macrophages. Journal of Biological Chemistry, 2009, 284, 20975-20988.	3.4	38
113	New cyrhetrenyl and ferrocenyl sulfonamides: Synthesis, characterization, X-ray crystallography, theoretical study and anti- Mycobacterium tuberculosis activity. Polyhedron, 2017, 134, 166-172.	2.2	38
114	Expression, purification and characterisation of soluble GlfT and the identification of a novel galactofuranosyltransferase Rv3782 involved in priming GlfT-mediated galactan polymerisation in Mycobacterium tuberculosis. Protein Expression and Purification, 2008, 58, 332-341.	1.3	37
115	The Mycobacterium tuberculosis Ser/Thr Kinase Substrate Rv2175c Is a DNA-binding Protein Regulated by Phosphorylation. Journal of Biological Chemistry, 2009, 284, 19290-19300.	3.4	37
116	<i><scp>MAB</scp>_3551c</i> encodes the primary triacylglycerol synthase involved in lipid accumulation in <scp><i>M</i></scp><i>ycobacterium abscessus</i>. Molecular Microbiology, 2016, 102, 611-627.	2.5	37
117	Cyclipostins and cyclophostin analogs inhibit the antigen 85C from Mycobacterium tuberculosis both in vitro and in vivo. Journal of Biological Chemistry, 2018, 293, 2755-2769.	3.4	37
118	Exposure of Mycobacteria to Cell Wall-inhibitory Drugs Decreases Production of Arabinoglycerolipid Related to Mycolyl-arabinogalactan-peptidoglycan Metabolism. Journal of Biological Chemistry, 2012, 287, 11060-11069.	3.4	36
119	MgtC as a Host-Induced Factor and Vaccine Candidate against Mycobacterium abscessus Infection. Infection and Immunity, 2016, 84, 2895-2903.	2.2	36
120	Immunostimulatory effect of IL-18-encoding plasmid in DNA vaccination against murine Schistosoma mansoni infection. Vaccine, 2001, 19, 1373-1380.	3.8	35
121	Interleukin-18 modulates immune responses induced by HIV-1 Nef DNA prime/protein boost vaccine. Vaccine, 2000, 19, 95-102.	3.8	34
122	Fatty Acyl Chains of Mycobacterium marinum Lipooligosaccharides. Journal of Biological Chemistry, 2011, 286, 33678-33688.	3.4	34
123	Mycobacterium tuberculosis Maltosyltransferase GlgE, a Genetically Validated Antituberculosis Target, Is Negatively Regulated by Ser/Thr Phosphorylation. Journal of Biological Chemistry, 2013, 288, 16546-16556.	3.4	33
124	Rifabutin Is Bactericidal against Intracellular and Extracellular Forms of Mycobacterium abscessus. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	33
125	Humoral and Cellular Immune Responses in Mice Immunized with Recombinant<i>Mycobacterium bovis</i>Bacillus Calmette-Guèrin Producing a Pertussis Toxin-Tetanus Toxin Hybrid Protein. Infection and Immunity, 1999, 67, 5100-5105.	2.2	33
126	Oleic Acid Biosynthesis in Plasmodium falciparum: Characterization of the Stearoyl-CoA Desaturase and Investigation as a Potential Therapeutic Target. PLoS ONE, 2009, 4, e6889.	2.5	33

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127	AccD6, a Key Carboxyltransferase Essential for Mycolic Acid Synthesis in Mycobacterium tuberculosis, Is Dispensable in a Nonpathogenic Strain. Journal of Bacteriology, 2011, 193, 6960-6972.	2.2	32
128	A piperidinol-containing molecule is active against Mycobacterium tuberculosis by inhibiting the mycolic acid flippase activity of MmpL3. Journal of Biological Chemistry, 2019, 294, 17512-17523.	3.4	32
129	Identification and characterisation of small-molecule inhibitors of Rv3097c-encoded lipase (LipY) of Mycobacterium tuberculosis that selectively inhibit growth of bacilli in hypoxia. International Journal of Antimicrobial Agents, 2013, 42, 27-35.	2.5	31
130	Natural and Synthetic Flavonoids as Potent <i>Mycobacterium tuberculosis</i> UGM Inhibitors. Chemistry - A European Journal, 2017, 23, 10423-10429.	3.3	31
131	Nitrogen deprivation induces triacylglycerol accumulation, drug tolerance and hypervirulence in mycobacteria. Scientific Reports, 2019, 9, 8667.	3.3	31
132	Efficacy of Bedaquiline, Alone or in Combination with Imipenem, against Mycobacterium abscessus in C3HeB/FeJ Mice. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	31
133	pETPhos: A customized expression vector designed for further characterization of Ser/Thr/Tyr protein kinases and their substrates. Plasmid, 2008, 60, 149-153.	1.4	30
134	Point Mutations within the Fatty Acid Synthase Type II Dehydratase Components HadA or HadC Contribute to Isoxyl Resistance in Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2013, 57, 629-632.	3.2	30
135	4â€Aminoquinolineâ€<i>Î²</i>â€Lactam Conjugates: Synthesis, Antimalarial, and Antitubercular Evaluation. Chemical Biology and Drug Design, 2014, 83, 191-197.	3.2	30
136	1<i>H</i>â€1,2,3â€triazoleâ€tethered uracilâ€ferrocene and uracilâ€ferrocenylchalcone conjugates: Synthesis and antitubercular evaluation. Chemical Biology and Drug Design, 2017, 89, 856-861.	3.2	30
137	Cyclipostins and Cyclophostin Analogues as Multitarget Inhibitors That Impair Growth of <i>Mycobacterium abscessus</i>. ACS Infectious Diseases, 2019, 5, 1597-1608.	3.8	30
138	X-Ray Crystal Structure of Mycobacterium tuberculosis Î²-Ketoacyl Acyl Carrier Protein Synthase II (mtKasB). Journal of Molecular Biology, 2007, 366, 469-480.	4.2	29
139	Increased Phagocytosis of Mycobacterium marinum Mutants Defective in Lipooligosaccharide Production. Journal of Biological Chemistry, 2014, 289, 215-228.	3.4	29
140	A Simple and Rapid Gene Disruption Strategy in Mycobacterium abscessus: On the Design and Application of Glycopeptidolipid Mutants. Frontiers in Cellular and Infection Microbiology, 2018, 8, 69.	3.9	29
141	The TetR Family Transcription Factor MAB_2299c Regulates the Expression of Two Distinct MmpS-MmpL Efflux Pumps Involved in Cross-Resistance to Clofazimine and Bedaquiline in Mycobacterium abscessus. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	29
142	Design, synthesis and docking studies of some novel (R)-2-(4â€²-chlorophenyl)-3-(4â€²-nitrophenyl)-1,2,3,5-tetrahydrobenzo[4,5] imidazo [1,2-c]pyrimidin-4-ol derivatives as antitubercular agents. European Journal of Medicinal Chemistry, 2014, 83, 245-255.	5.5	28
143	Structural Analysis of an Unusual BioactiveN-Acylated Lipo-Oligosaccharide LOS-IV inMycobacterium marinum. Journal of the American Chemical Society, 2010, 132, 16073-16084.	13.7	27
144	Identification of inhibitors targeting Mycobacterium tuberculosis cell wall biosynthesis via dynamic combinatorial chemistry. Chemical Communications, 2017, 53, 10632-10635.	4.1	27

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