Jana KordulÃ¡kovÃ¡

List of Publications by Year
in descending order

50 papers	3,170 citations	249298 26 h-index	232693 48 g-index
52 all docs	52 docs citations	52 times ranked	3746 citing authors

#	Article	IF	Citations
1	The Veterinary Anti-Parasitic Selamectin Is a Novel Inhibitor of the Mycobacterium tuberculosis DprE1 Enzyme. International Journal of Molecular Sciences, 2022, 23, 771.	1.8	10
2	Bioinformatic Mining and Structure-Activity Profiling of Baeyer-Villiger Monooxygenases from Mycobacterium tuberculosis. MSphere, 2022, , e0048221.	1.3	2
3	A Coumarin-Based Analogue of Thiacetazone as Dual Covalent Inhibitor and Potential Fluorescent Label of HadA in <i>Mycobacterium tuberculosis</i>. ACS Infectious Diseases, 2021, 7, 552-565.	1.8	13
4	Mycobacterial Epoxide Hydrolase EphD Is Inhibited by Urea and Thiourea Derivatives. International Journal of Molecular Sciences, 2021, 22, 2884.	1.8	2
5	An ABC transporter Wzmâ€"Wzt catalyzes translocation of lipid-linked galactan across the plasma membrane in mycobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	4
6	Design and synthesis of 2-(2-isonicotinoylhydrazineylidene)propanamides as InhA inhibitors with high antitubercular activity. European Journal of Medicinal Chemistry, 2021, 223, 113668.	2.6	12
7	Design and Synthesis of Pyrano[3,2-b]indolones Showing Antimycobacterial Activity. ACS Infectious Diseases, 2021, 7, 88-100.	1.8	7
8	Design and Synthesis of Highly Active Antimycobacterial Mutual Esters of 2-(2-Isonicotinoylhydrazineylidene)propanoic Acid. Pharmaceuticals, 2021, 14, 1302.	1.7	2
9	New Insights into the Mechanism of Action of the Thienopyrimidine Antitubercular Prodrug TP053. ACS Infectious Diseases, 2020, 6, 313-323.	1.8	11
10	The Two-Component Locus MSMEG_0244/0246 Together With MSMEG_0243 Affects Biofilm Assembly in M. smegmatis Correlating With Changes in Phosphatidylinositol Mannosides Acylation. Frontiers in Microbiology, 2020, 11, 570606.	1.5	4
11	Fragment-Based Design of <i>Mycobacterium tuberculosis</i> InhA Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 4749-4761.	2.9	27
12	Development of 3,5-Dinitrophenyl-Containing 1,2,4-Triazoles and Their Trifluoromethyl Analogues as Highly Efficient Antitubercular Agents Inhibiting Decaprenylphosphoryl-Î²-<scp>d</scp>-ribofuranose 2â€²-Oxidase. Journal of Medicinal Chemistry, 2019, 62, 8115-8139.	2.9	37
13	Trehalose Conjugation Enhances Toxicity of Photosensitizers against Mycobacteria. ACS Central Science, 2019, 5, 644-650.	5.3	21
14	Drugging the Folate Pathway in Mycobacterium tuberculosis: The Role of Multi-targeting Agents. Cell Chemical Biology, 2019, 26, 781-791.e6.	2.5	57
15	Impact of the epoxide hydrolase EphD on the metabolism of mycolic acids in mycobacteria. Journal of Biological Chemistry, 2018, 293, 5172-5184.	1.6	22
16	New lipophilic isoniazid derivatives and their 1,3,4-oxadiazole analogues: Synthesis, antimycobacterial activity and investigation of their mechanism of action. European Journal of Medicinal Chemistry, 2018, 151, 824-835.	2.6	31
17	Essentiality of mmpL3 and impact of its silencing on Mycobacterium tuberculosis gene expression. Scientific Reports, 2017, 7, 43495.	1.6	87
18	Identification of aminopyrimidineâ€sulfonamides as potent modulators of Wag31â€mediated cell elongation in mycobacteria. Molecular Microbiology, 2017, 103, 13-25.	1.2	22

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19	Mechanochemical Synthesis and Biological Evaluation of Novel Isoniazid Derivatives with Potent Antitubercular Activity. Molecules, 2017, 22, 1457.	1.7	71
20	Pyrrolidinone and pyrrolidine derivatives: Evaluation as inhibitors of InhA and Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2016, 123, 462-475.	2.6	33
21	Structural basis for selective recognition of acyl chains by the membrane-associated acyltransferase PatA. Nature Communications, 2016, 7, 10906.	5.8	23
22	Alkylamino derivatives of N-benzylpyrazine-2-carboxamide: synthesis and antimycobacterial evaluation. MedChemComm, 2015, 6, 1311-1317.	3.5	11
23	Lead selection and characterization of antitubercular compounds using the Nested Chemical Library. Tuberculosis, 2015, 95, S200-S206.	0.8	26
24	Covalent Modification of the <i>Mycobacterium tuberculosis</i> FAS-II Dehydratase by Isoxyl and Thiacetazone. ACS Infectious Diseases, 2015, 1, 91-97.	1.8	58
25	Design, synthesis and evaluation of new GEQ derivatives as inhibitors of InhA enzyme and Mycobacterium tuberculosis growth. European Journal of Medicinal Chemistry, 2015, 101, 218-235.	2.6	43
26	DprE1 Is a Vulnerable Tuberculosis Drug Target Due to Its Cell Wall Localization. ACS Chemical Biology, 2015, 10, 1631-1636.	1.6	123
27	Erratum for Ang et al., AnethA-ethR-Deficient Mycobacterium bovis BCG Mutant Displays Increased Adherence to Mammalian Cells and Greater PersistenceIn Vivo, Which Correlate with Altered Mycolic Acid Composition. Infection and Immunity, 2015, 83, 846-846.	1.0	0
28	Erratum for Boldrin et al., The Phosphatidyl- <i>myo</i> -Inositol Mannosyltransferase PimA Is Essential for Mycobacterium tuberculosis Growth <i>In Vitro</i> and <i>In Vivo</i>. Journal of Bacteriology, 2014, 196, 4197-4197.	1.0	1
29	An <i>ethA-ethR</i> -Deficient Mycobacterium bovis BCG Mutant Displays Increased Adherence to Mammalian Cells and Greater Persistence <i>In Vivo</i> , Which Correlate with Altered Mycolic Acid Composition. Infection and Immunity, 2014, 82, 1850-1859.	1.0	16
30	The Phosphatidyl- <i>myo</i> -Inositol Mannosyltransferase PimA Is Essential for Mycobacterium tuberculosis Growth <i>In Vitro</i> and <i>In Vivo</i>. Journal of Bacteriology, 2014, 196, 3441-3451.	1.0	37
31	Purification and characterization of the acyltransferase involved in biosynthesis of the major mycobacterial cell envelope glycolipid â€“ Monoacylated phosphatidylinositol dimannoside. Protein Expression and Purification, 2014, 100, 33-39.	0.6	9
32	A Common Mechanism of Inhibition of the Mycobacterium tuberculosis Mycolic Acid Biosynthetic Pathway by Isoxyl and Thiacetazone. Journal of Biological Chemistry, 2012, 287, 38434-38441.	1.6	87
33	Inhibition of mycolic acid transport across the Mycobacterium tuberculosis plasma membrane. Nature Chemical Biology, 2012, 8, 334-341.	3.9	384
34	A Small Multidrug Resistance-like Transporter Involved in the Arabinosylation of Arabinogalactan and Lipoarabinomannan in Mycobacteria. Journal of Biological Chemistry, 2012, 287, 39933-39941.	1.6	27
35	nvestigation of ABC transporter from mycobacterial arabinogalactan biosynthetic cluster. General Physiology and Biophysics, 2011, 30, 239-250.	0.4	19
36	The structureâ€“activity relationship of urea derivatives as anti-tuberculosis agents. Bioorganic and Medicinal Chemistry, 2011, 19, 5585-5595.	1.4	100

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37	Synthesis, biological activity, and evaluation of the mode of action of novel antitubercular benzofurobenzopyrans substituted on A ring. European Journal of Medicinal Chemistry, 2010, 45, 5833-5847.	2.6	33
38	Molecular Basis of Phosphatidyl-myo-inositol Mannoside Biosynthesis and Regulation in Mycobacteria. Journal of Biological Chemistry, 2010, 285, 33577-33583.	1.6	105
39	AftD, a novel essential arabinofuranosyltransferase from mycobacteria. Glycobiology, 2009, 19, 1235-1247.	1.3	61
40	Substrate-induced Conformational Changes in the Essential Peripheral Membrane-associated Mannosyltransferase PimA from Mycobacteria. Journal of Biological Chemistry, 2009, 284, 21613-21625.	1.6	35
41	Benzothiazinones Kill <i>Mycobacterium tuberculosis</i> by Blocking Arabinan Synthesis. Science, 2009, 324, 801-804.	6.0	660
42	Isoxyl Activation Is Required for Bacteriostatic Activity against Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2007, 51, 3824-3829.	1.4	34
43	Impact of Mycobacterium ulcerans Biofilm on Transmissibility to Ecological Niches and Buruli Ulcer Pathogenesis. PLoS Pathogens, 2007, 3, e62.	2.1	205
44	Genetic Basis for the Biosynthesis of Methylglucose Lipopolysaccharides in Mycobacterium tuberculosis. Journal of Biological Chemistry, 2007, 282, 27270-27276.	1.6	54
45	Molecular Recognition and Interfacial Catalysis by the Essential Phosphatidylinositol Mannosyltransferase PimA from Mycobacteria. Journal of Biological Chemistry, 2007, 282, 20705-20714.	1.6	121
46	Identification of a Novel Galactosyl Transferase Involved in Biosynthesis of the Mycobacterial Cell Wall. Journal of Bacteriology, 2006, 188, 6592-6598.	1.0	65
47	Crystallization and preliminary crystallographic analysis of PimA, an essential mannosyltransferase fromMycobacterium smegmatis. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 518-520.	0.7	12
48	p-Hydroxybenzoic Acid Synthesis in Mycobacterium tuberculosis. Journal of Biological Chemistry, 2005, 280, 40699-40706.	1.6	69
49	Identification of the Required Acyltransferase Step in the Biosynthesis of the Phosphatidylinositol Mannosides of Mycobacterium Species. Journal of Biological Chemistry, 2003, 278, 36285-36295.	1.6	100
50	Definition of the First Mannosylation Step in Phosphatidylinositol Mannoside Synthesis. Journal of Biological Chemistry, 2002, 277, 31335-31344.	1.6	177