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List of Publications by Year in descending order

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54
papers

2,459
citations

226546

25
h-index

214353

47
g-index

56
all docs

56
docs citations

56
times ranked

3856
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution and expansion of the Mycobacterium tuberculosis PE and PPE multigene families and their association with the duplication of the ESAT-6 (esx) gene cluster regions. BMC Evolutionary Biology, 2006, 6, 95.	3.1	395
2	Mycobacterial PE/PPE Proteins at the Host-Pathogen Interface. Clinical and Developmental Immunology, 2011, 2011, 1-11.	3.2	225
3	Protection Elicited by a Double Leucine and Pantothenate Auxotroph of Mycobacterium tuberculosis in Guinea Pigs. Infection and Immunity, 2004, 72, 3031-3037.	2.4	149
4	Efflux pump inhibitors: targeting mycobacterial efflux systems to enhance TB therapy. Journal of Antimicrobial Chemotherapy, 2016, 71, 17-26.	3.2	129
5	A Global Perspective on Pyrazinamide Resistance: Systematic Review and Meta-Analysis. PLoS ONE, 2015, 10, e0133869.	2.5	111
6	Transmission of a Multidrug-Resistant Mycobacterium tuberculosis Strain Resembling "Strain W" among Noninstitutionalized, Human Immunodeficiency Virus-Seronegative Patients. Journal of Infectious Diseases, 1999, 180, 1608-1615.	3.9	94
7	Drying a tuberculosis vaccine without freezing. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2591-2595.	7.6	90
8	Cell Electrospinning: An In Vitro and In Vivo Study. Small, 2014, 10, 78-82.	11.2	83
9	Mechanisms of Drug-Induced Tolerance in Mycobacterium tuberculosis. Clinical Microbiology Reviews, 2020, 34, .	14.4	75
10	Evolution of rifampicin treatment for tuberculosis. Infection, Genetics and Evolution, 2019, 74, 103937.	2.3	74
11	Recombination in pe/ppe genes contributes to genetic variation in Mycobacterium tuberculosis lineages. BMC Genomics, 2016, 17, 151.	2.9	67
12	Phosphoproteomics analysis of a clinical Mycobacterium tuberculosis Beijing isolate: expanding the mycobacterial phosphoproteome catalog. Frontiers in Microbiology, 2015, 6, 6.	3.6	65
13	Elucidating population-wide mycobacterial replication dynamics at the single-cell level. Microbiology (United Kingdom), 2016, 162, 966-978.	1.8	61
14	Rapid in vivo assessment of drug efficacy against Mycobacterium tuberculosis using an improved firefly luciferase. Journal of Antimicrobial Chemotherapy, 2013, 68, 2118-2127.	3.2	60
15	Geospatial distribution of Mycobacterium tuberculosis genotypes in Africa. PLoS ONE, 2018, 13, e0200632.	2.5	57
16	Iron acquisition strategies in mycobacteria. Tuberculosis, 2015, 95, 123-130.	2.0	55
17	Whole genome sequence analysis of Mycobacterium suricattae. Tuberculosis, 2015, 95, 682-688.	2.0	54
18	Conserved Immune Recognition Hierarchy of Mycobacterial PE/PPE Proteins during Infection in Natural Hosts. PLoS ONE, 2012, 7, e40890.	2.5	53

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19	Extended safety and efficacy studies of a live attenuated double leucine and pantothenate auxotroph of <i>Mycobacterium tuberculosis</i> as a vaccine candidate. <i>Vaccine</i> , 2011, 29, 4839-4847.	4.0	46
20	DNA fingerprinting and molecular epidemiology of tuberculosis: Use and interpretation in an epidemic setting. <i>Electrophoresis</i> , 1999, 20, 1807-1812.	2.9	37
21	Comprehensive Characterization of the Attenuated Double Auxotroph <i>Mycobacterium tuberculosis</i> "leuDI"panCD as an Alternative to H37Rv. <i>Frontiers in Microbiology</i> , 2019, 10, 1922.	3.6	37
22	<i>Mycobacterium tuberculosis</i> <i>pncA</i> Polymorphisms That Do Not Confer Pyrazinamide Resistance at a Breakpoint Concentration of 100 Micrograms per Milliliter in MGIT. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3633-3635.	4.4	35
23	The Transcriptional Regulator Rv0485 Modulates the Expression of a <i>pe</i> and <i>ppe</i> Gene Pair and Is Required for <i>Mycobacterium tuberculosis</i> Virulence. <i>Infection and Immunity</i> , 2009, 77, 4654-4667.	2.4	33
24	IS6110 Insertions in <i>Mycobacterium tuberculosis</i> : Predominantly into Coding Regions. <i>Journal of Clinical Microbiology</i> , 2001, 39, 3423-3424.	4.4	28
25	Proteogenomic Investigation of Strain Variation in Clinical <i>Mycobacterium tuberculosis</i> Isolates. <i>Journal of Proteome Research</i> , 2017, 16, 3841-3851.	3.8	27
26	<i>Mycobacterial</i> nucleoid associated proteins: An added dimension in gene regulation. <i>Tuberculosis</i> , 2018, 108, 169-177.	2.0	27
27	ProVision: a web-based platform for rapid analysis of proteomics data processed by MaxQuant. <i>Bioinformatics</i> , 2020, 36, 4965-4967.	4.2	26
28	Versatility of 7-Substituted Coumarin Molecules as Antimycobacterial Agents, Neuronal Enzyme Inhibitors and Neuroprotective Agents. <i>Molecules</i> , 2017, 22, 1644.	3.9	23
29	<i>Mycobacterium Tuberculosis</i> and Interactions with the Host Immune System: Opportunities for Nanoparticle Based Immunotherapeutics and Vaccines. <i>Pharmaceutical Research</i> , 2019, 36, 8.	3.6	21
30	Molecular epidemiology of drug resistant <i>Mycobacterium tuberculosis</i> in Africa: a systematic review. <i>BMC Infectious Diseases</i> , 2020, 20, 344.	3.0	21
31	Prevalence of pyrazinamide resistance across the spectrum of drug resistant phenotypes of <i>Mycobacterium tuberculosis</i> . <i>Tuberculosis</i> , 2016, 99, 128-130.	2.0	17
32	Spatial distribution of <i>Mycobacterium Tuberculosis</i> in metropolitan Harare, Zimbabwe. <i>PLoS ONE</i> , 2020, 15, e0231637.	2.5	17
33	Small Molecule Efflux Pump Inhibitors in <i>Mycobacterium tuberculosis</i> : A Rational Drug Design Perspective. <i>Mini-Reviews in Medicinal Chemistry</i> , 2017, 18, 72-86.	2.6	16
34	Whole genome sequencing provides additional insights into recurrent tuberculosis classified as endogenous reactivation by IS6110 DNA fingerprinting. <i>Infection, Genetics and Evolution</i> , 2019, 75, 103948.	2.3	16
35	Recent Developments in the Application of Flow Cytometry to Advance our Understanding of <i>Mycobacterium tuberculosis</i> . <i>Physiology and Pathogenesis. Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 683-693.	2.0	15
36	Identifying nucleic acid-associated proteins in <i>Mycobacterium smegmatis</i> by mass spectrometry-based proteomics. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 19.	2.1	8

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37	Stability of Polymorphic GC-Rich Repeat Sequence-Containing Regions of <i>Mycobacterium tuberculosis</i> . <i>Journal of Clinical Microbiology</i> , 2004, 42, 1302-1304.	4.4	6
38	Bacterial genomics and vaccine design. <i>Expert Review of Vaccines</i> , 2003, 2, 437-445.	4.5	5
39	Mammalian cell cultures as models for <i>Mycobacterium tuberculosis</i> –human immunodeficiency virus (HIV) interaction studies: A review. <i>Asian Pacific Journal of Tropical Medicine</i> , 2016, 9, 832-838.	0.9	5
40	In silico repurposing of a Novobiocin derivative for activity against latency associated <i>Mycobacterium tuberculosis</i> drug target nicotinate-nucleotide adenyl transferase (Rv2421c). <i>PLoS ONE</i> , 2021, 16, e0259348.	2.5	5
41	Structure based identification of novel inhibitors against ATP synthase of <i>Mycobacterium tuberculosis</i> : A combined in silico and in vitro study. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 582-590.	7.7	4
42	PPE38-Secretion-Dependent Proteins of <i>M. tuberculosis</i> Alter NF- κ B Signalling and Inflammatory Responses in Macrophages. <i>Frontiers in Immunology</i> , 2021, 12, 702359.	4.9	4
43	Strength in Diversity: Hidden Genetic Depths of <i>Mycobacterium tuberculosis</i> . <i>Trends in Microbiology</i> , 2016, 24, 82-84.	7.7	3
44	Two promoters in the <i>esx-3</i> gene cluster of <i>Mycobacterium smegmatis</i> respond inversely to different iron concentrations in vitro. <i>BMC Research Notes</i> , 2017, 10, 426.	1.4	3
45	Identification of gene fusion events in <i>Mycobacterium tuberculosis</i> that encode chimeric proteins. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqaa033.	3.2	3
46	Evidence, Challenges, and Knowledge Gaps Regarding Latent Tuberculosis in Animals. <i>Microorganisms</i> , 2022, 10, 1845.	3.6	3
47	Implications of Chromosomal Mutations for <i>Mycobacterial</i> Drug Resistance. , 2017, , 233-262.		1
48	Antimycobacterial Activity, Synergism, and Mechanism of Action Evaluation of Novel Polycyclic Amines against <i>Mycobacterium tuberculosis</i> . <i>Advances in Pharmacological and Pharmaceutical Sciences</i> , 2021, 2021, 1-8.	1.4	1
49	Drug resistant tuberculosis cases from the Copperbelt province and Northern regions of Zambia: Genetic diversity, demographic and clinical characteristics. <i>Tuberculosis</i> , 2021, 130, 102122.	2.0	1
50	Inhaled particulate matter affects immune responsiveness of human lung phagocytes to mycobacteria. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L566-L575.	3.0	1
51	Post-genomic Antigen Discovery: Bioinformatical Approaches to Reveal Novel T Cell Antigens of <i>Mycobacterium bovis</i> . , 2013, , 73-90.		1
52	Localization of EccA3 at the growing pole in <i>Mycobacterium smegmatis</i> . <i>BMC Microbiology</i> , 2022, 22, 140.	3.4	1
53	Discovery and biological evaluation of an adamantyl-amide derivative with likely MmpL3 inhibitory activity. <i>Tuberculosis</i> , 2023, 141, 102350.	2.0	1
54	<sc>TB</sc> Vaccine Assessment. , 2016, , 91-110.		0