Pablo Bifani

List of Publications by Year in descending order

65 papers	6,431 citations	117453 34 h-index	118652 62 g-index
66 all docs	66 docs citations	66 times ranked	6330 citing authors

#	Article	IF	Citations
1	Proposal for Standardization of Optimized Mycobacterial Interspersed Repetitive Unit-Variable-Number Tandem Repeat Typing of Mycobacterium tuberculosis. Journal of Clinical Microbiology, 2006, 44, 4498-4510.	1.8	1,181
2	Worldwide Occurrence of Beijing/W Strains ofMycobacterium tuberculosis: A Systematic Review. Emerging Infectious Diseases, 2002, 8, 843-849.	2.0	529
3	Discovery of Q203, a potent clinical candidate for the treatment of tuberculosis. Nature Medicine, 2013, 19, 1157-1160.	15.2	509
4	Global dissemination of the Mycobacterium tuberculosis W-Beijing family strains. Trends in Microbiology, 2002, 10, 45-52.	3.5	452
5	Molecular Epidemiology of Tuberculosis: Current Insights. Clinical Microbiology Reviews, 2006, 19, 658-685.	5.7	325
6	A chemical genetic screen in Mycobacterium tuberculosis identifies carbon-source-dependent growth inhibitors devoid of in vivo efficacy. Nature Communications, 2010, 1, 57.	5.8	250
7	Mutations in Putative Mutator Genes ofMycobacterium tuberculosisStrains of the W-Beijing Family. Emerging Infectious Diseases, 2003, 9, 838-845.	2.0	240
8	Synthetic EthR inhibitors boost antituberculous activity of ethionamide. Nature Medicine, 2009, 15, 537-544.	15.2	162
9	para-Aminosalicylic Acid Is a Prodrug Targeting Dihydrofolate Reductase in Mycobacterium tuberculosis. Journal of Biological Chemistry, 2013, 288, 23447-23456.	1.6	158
10	Identification of a W Variant Outbreak of <EMPH TYPE="ITAL">Mycobacterium tuberculosis</EMPH> via Population-Based Molecular Epidemiology. JAMA - Journal of the American Medical Association, 1999, 282, 2321.	3.8	142
11	A novel and more sensitive loop-mediated isothermal amplification assay targeting IS6110 for detection of Mycobacterium tuberculosis complex. Microbiological Research, 2010, 165, 211-220.	2.5	135
12	Indolcarboxamide Is a Preclinical Candidate for Treating Multidrug-Resistant Tuberculosis. Science Translational Medicine, 2013, 5, 214ra168.	5.8	134
13	Functional Role of the PE Domain and Immunogenicity of the Mycobacterium tuberculosis Triacylglycerol Hydrolase LipY. Infection and Immunity, 2008, 76, 127-140.	1.0	127
14	A High-Throughput Screen To Identify Inhibitors of ATP Homeostasis in Non-replicating Mycobacterium tuberculosis. ACS Chemical Biology, 2012, 7, 1190-1197.	1.6	123
15	Mycobacterial heparin-binding hemagglutinin and laminin-binding protein share antigenic methyllysines that confer resistance to proteolysis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10759-10764.	3.3	110
16	Mutations in Genes for the F ₄₂₀ Biosynthetic Pathway and a Nitroreductase Enzyme Are the Primary Resistance Determinants in Spontaneous In Vitro -Selected PA-824-Resistant Mutants of Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2015, 59, 5316-5323.	1.4	109
17	Molecular Genetics of para -Aminosalicylic Acid Resistance in Clinical Isolates and Spontaneous Mutants of Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2009, 53, 2100-2109.	1.4	103
18	UDP-galactose and acetyl-CoA transporters as Plasmodium multidrug resistance genes. Nature Microbiology, 2016, 1, 16166.	5.9	102

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19	Systematic Analysis of Pyrazinamide-Resistant Spontaneous Mutants and Clinical Isolates of Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2012, 56, 5186-5193.	1.4	85
20	Design, Synthesis, and Biological Evaluation of Indole-2-carboxamides: A Promising Class of Antituberculosis Agents. Journal of Medicinal Chemistry, 2013, 56, 8849-8859.	2.9	85
21	Characterization of a putative Î±-mannosyltransferase involved in phosphatidylinositol trimannoside biosynthesis in Mycobacterium tuberculosis. Biochemical Journal, 2002, 363, 437-447.	1.7	84
22	Enhanced bacterial virulence through exploitation of host glycosaminoglycans. Molecular Microbiology, 2002, 43, 1379-1386.	1.2	75
23	The nature and consequence of genetic variability within Mycobacterium tuberculosis. Journal of Clinical Investigation, 2001, 107, 533-537.	3.9	73
24	Phylogeny of Mycobacterium tuberculosis Beijing Strains Constructed from Polymorphisms in Genes Involved in DNA Replication, Recombination and Repair. PLoS ONE, 2011, 6, e16020.	1.1	69
25	Genomic analysis and growth characteristic of dengue viruses from Makassar, Indonesia. Infection, Genetics and Evolution, 2015, 32, 165-177.	1.0	67
26	Characterization of a putative Î±-mannosyltransferase involved in phosphatidylinositol trimannoside biosynthesis in Mycobacterium tuberculosis. Biochemical Journal, 2002, 363, 437.	1.7	65
27	MTSA-10, the Product of the Rv3874 Gene of Mycobacterium tuberculosis , Elicits Tuberculosis-Specific, Delayed-Type Hypersensitivity in Guinea Pigs. Infection and Immunity, 2000, 68, 990-993.	1.0	62
28	Persistence of a Highly Resistant Strain of Tuberculosis in New York City during 1990â€“1999. Journal of Infectious Diseases, 2003, 188, 356-363.	1.9	61
29	Identification and structural characterization of an unusual mycobacterial monomeromycolyl-diacylglycerol. Molecular Microbiology, 2005, 57, 1113-1126.	1.2	55
30	CC8 MRSA Strains Harboring SCCmec Type IVc are Predominant in Colombian Hospitals. PLoS ONE, 2012, 7, e38576.	1.1	55
31	Molecular and Epidemiological Evidence for Spread of Multiresistant Methicillin-Susceptible Staphylococcus aureus Strains in Hospitals. Antimicrobial Agents and Chemotherapy, 2007, 51, 4342-4350.	1.4	51
32	Increased Vancomycin Susceptibility in Mycobacteria: a New Approach To Identify Synergistic Activity against Multidrug-Resistant Mycobacteria. Antimicrobial Agents and Chemotherapy, 2015, 59, 5057-5060.	1.4	49
33	Mutations in the Plasmodium falciparum Cyclic Amine Resistance Locus (PfCARL) Confer Multidrug Resistance. MBio, 2016, 7, .	1.8	49
34	Hepatic spheroids used as an in vitro model to study malaria relapse. Biomaterials, 2019, 216, 119221.	5.7	48
35	Experimental Tuberculosis in the Wistar Rat: A Model for Protective Immunity and Control of Infection. PLoS ONE, 2011, 6, e18632.	1.1	39
36	Robust continuous in vitro culture of the Plasmodium cynomolgi erythrocytic stages. Nature Communications, 2019, 10, 3635.	5.8	39

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37	Molecular Epidemiology of Multidrug-Resistant Tuberculosis, New York City, 1995â€“1997. Emerging Infectious Diseases, 2002, 8, 1230-1238.	2.0	35
38	Biochemical and immunological characterization of a cpn60.1 knockout mutant of Mycobacterium bovis BCG. Microbiology (United Kingdom), 2011, 157, 1205-1219.	0.7	32
39	Molecular Identification of Streptomycin MonoresistantMycobacterium tuberculosisRelated to Multidrug-Resistant W Strain. Emerging Infectious Diseases, 2001, 7, 842-848.	2.0	31
40	Strict tropism for CD71+/CD234+ human reticulocytes limits the zoonotic potential of Plasmodium cynomolgi. Blood, 2017, 130, 1357-1363.	0.6	27
41	The Evolution of Drug Resistance inMycobacterium tuberculosis:From a Monoâ€“Rifampinâ€Resistant Cluster into Increasingly Multidrugâ€Resistant Variants in an HIVâ€Seropositive Population. Journal of Infectious Diseases, 2008, 198, 90-94.	1.9	25
42	Standardised PCR-based molecular epidemiology of tuberculosis. European Respiratory Journal, 2008, 31, 1077-1084.	3.1	21
43	Epidemiologic Consequences of Microvariation in Mycobacterium tuberculosis. Journal of Infectious Diseases, 2012, 205, 964-974.	1.9	21
44	Variable-number tandem repeat 3690 polymorphism in Indian clinical isolates of Mycobacterium tuberculosis and its influence on transcription. Journal of Medical Microbiology, 2009, 58, 798-805.	0.7	20
45	Detecting the molecular scars of evolution in the Mycobacterium tuberculosis complex by analyzing interrupted coding sequences. BMC Evolutionary Biology, 2008, 8, 78.	3.2	19
46	Mycobacterium tuberculosis infection induces hypoxic lung lesions in the rat. Tuberculosis, 2011, 91, 339-341.	0.8	19
47	Use of Spoligotype Analysis to Detect Laboratory Cross-Contamination. Infection Control and Hospital Epidemiology, 2000, 21, 525-527.	1.0	17
48	Probing the distinct chemosensitivity of Plasmodium vivax liver stage parasites and demonstration of 8-aminoquinoline radical cure activity in vitro. Scientific Reports, 2021, 11, 19905.	1.6	17
49	Targeted Hybridization of IS 6110 Fingerprints Identifies the W-Beijing Mycobacterium tuberculosis Strains among Clinical Isolates. Journal of Clinical Microbiology, 2005, 43, 2148-2154.	1.8	16
50	IS1096-mediated DNA rearrangements play a key role in genome evolution of Mycobacterium smegmatis. Tuberculosis, 2008, 88, 399-409.	0.8	16
51	BCG Induces Protection against Mycobacterium tuberculosis Infection in the Wistar Rat Model. PLoS ONE, 2011, 6, e28082.	1.1	14
52	Exploring the Mode of Action of Bioactive Compounds by Microfluidic Transcriptional Profiling in Mycobacteria. PLoS ONE, 2013, 8, e69191.	1.1	14
53	Characterization of the Secreted MPT53 Antigen ofMycobacterium tuberculosis. Infection and Immunity, 2001, 69, 5936-5939.	1.0	12
54	Imidazolopiperazines Kill both Rings and Dormant Rings in Wild-Type and K13 Artemisinin-Resistant Plasmodium falciparum In Vitro. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	12

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55	The addition of avibactam renders piperacillin an effective treatment for Mycobacterium abscessus infection in an in vivo model. Antimicrobial Resistance and Infection Control, 2018, 7, 151.	1.5	11
56	Nosocomial Transmission of a Drug-Sensitive W-Variant Mycobacterium tuberculosis Strain among Patients with Acquired Immunodeficiency Syndrome in Tennessee. Infection Control and Hospital Epidemiology, 1998, 19, 635-639.	1.0	9
57	T Cell Monitoring of Chemotherapy in Experimental Rat Tuberculosis. Antimicrobial Agents and Chemotherapy, 2011, 55, 3677-3683.	1.4	8
58	Genotyping of Mycobacterium tuberculosis Clinical Isolates Using IS6110-Based Restriction Fragment Length Polymorphism Analysis. Methods in Molecular Biology, 2009, 551, 173-188.	0.4	7
59	Molecular evidence suggestive of intrauterine transmission of Neisseria meningitidis serogroup A from mother to infant. Journal of Pediatric Infectious Diseases, 2015, 02, 045-050.	0.1	7
60	Structural basis of mapping the spontaneous mutations with 5-flurouracil in uracil phosphoribosyltransferase from Mycobacterium tuberculosis. Biochemical and Biophysical Research Communications, 2015, 467, 577-582.	1.0	7
61	Improving in vitro continuous cultivation of Plasmodium cynomolgi, a model for P. vivax. Parasitology International, 2022, 89, 102589.	0.6	7
62	Structure and mapping of spontaneous mutational sites of PyrR from Mycobacterium tuberculosis. Biochemical and Biophysical Research Communications, 2016, 471, 409-415.	1.0	5
63	La PCR en temps rÃ©el : principe et application en infectiologie. Antibiotiques, 2007, 9, 205-211.	0.1	0
64	Genomic Epidemiology of Lineage 4 Mycobacterium tuberculosis Subpopulations in New York City and New Jersey, 1999â€“2009. Open Forum Infectious Diseases, 2016, 3, .	0.4	0
65	inPhocus: Current State and Challenges of Phage Research in Singapore. Phage, 2022, 3, 6-11.	0.8	0