Mirko Zimic

List of Publications by Year in descending order

56 papers	1,029 citations	471509 17 h-index	454955 30 g-index
64 all docs	64 docs citations	64 times ranked	1455 citing authors

#	Article	IF	Citations
1	Low-cost 3D-printed inverted microscope to detect Mycobacterium tuberculosis in a MODS culture. Tuberculosis, 2022, 132, 102158.	1.9	3
2	Biorecognition and detection of antigens from Mycobacterium tuberculosis using a sandwich ELISA associated with magnetic nanoparticles. Journal of Pharmaceutical and Biomedical Analysis, 2022, 215, 114749.	2.8	5
3	Identifying RO9021 as a Potential Inhibitor of PknG fromMycobacterium tuberculosis: Combinative Computational and In Vitro Studies. ACS Omega, 2022, 7, 20204-20218.	3.5	2
4	Viral intra-host evolution in immunocompetent children contributes to human norovirus diversification at the global scale. Emerging Microbes and Infections, 2021, 10, 1717-1730.	6.5	8
5	Autism Detection in Children by Combined Use of Gaze Preference and the M-CHAT-R in a Resource-Scarce Setting. Journal of Autism and Developmental Disorders, 2021, 51, 994-1006.	2.7	6
6	Comprehensive virtual screening of 4.8Âk flavonoids reveals novel insights into allosteric inhibition of SARS-CoV-2 MPRO. Scientific Reports, 2021, 11, 15452.	3.3	36
7	Genome-wide analyses of human noroviruses provide insights on evolutionary dynamics and evidence of coexisting viral populations evolving under recombination constraints. PLoS Pathogens, 2021, 17, e1009744.	4.7	29
8	Phenylisoxazole-3/5-Carbaldehyde Isonicotinylhydrazone Derivatives: Synthesis, Characterization, and Antitubercular Activity. Journal of Chemistry, 2021, 2021, 1-14.	1.9	4
9	Recombinant Nontypeable Genotype II Human Noroviruses in the Americas. Emerging Infectious Diseases, 2020, 26, 157-159.	4.3	4
10	Prediction of Mycobacterium tuberculosis pyrazinamidase function based on structural stability, physicochemical and geometrical descriptors. PLoS ONE, 2020, 15, e0235643.	2.5	0
11	Direct Determination of Pyrazinamide (PZA) Susceptibility by Sputum Microscopic Observation Drug Susceptibility (MODS) Culture at Neutral pH: the MODS-PZA Assay. Journal of Clinical Microbiology, 2020, 58, .	3.9	6
12	Mycobacterium tuberculosis ribosomal protein S1 (RpsA) and variants with truncated C-terminal end show absence of interaction with pyrazinoic acid. Scientific Reports, 2020, 10, 8356.	3.3	10
13	Metallochaperones Are Needed for Mycobacterium tuberculosis and Escherichia coli Nicotinamidase-Pyrazinamidase Activity. Journal of Bacteriology, 2020, 202, .	2.2	1
14	Synthesis, characterization and bio-functionalization of magnetic nanoparticles to improve the diagnosis of tuberculosis. Nanotechnology, 2020, 31, 175101.	2.6	8
15	An electrochemical biosensor for the detection of Mycobacterium tuberculosis DNA from sputum and urine samples. PLoS ONE, 2020, 15, e0241067.	2.5	8
16	Title is missing!. , 2020, 15, e0241067.		0
17	Title is missing!. , 2020, 15, e0241067.		0
18	Title is missing!. , 2020, 15, e0241067.		0

#	Article	IF	Citations
19	Title is missing!. , 2020, 15, e0241067.		0
20	Molecular Specific and Sensitive Detection of Pyrazinamide and Its Metabolite Pyrazinoic Acid by Means of Surface Enhanced Raman Spectroscopy Employing In Situ Prepared Colloids. Applied Sciences (Switzerland), 2019, 9, 2511.	2.5	2
21	Characterization of a novel cathepsin L-like protease from Taenia solium metacestodes for the immunodiagnosis of porcine cysticercosis. Veterinary Parasitology, 2019, 267, 9-16.	1.8	6
22	Automatic diagnostics of tuberculosis using convolutional neural networks analysis of MODS digital images. PLoS ONE, 2019, 14, e0212094.	2.5	35
23	MODS-Wayne, a Colorimetric Adaptation of the Microscopic-Observation Drug Susceptibility (MODS) Assay for Detection of Mycobacterium tuberculosis Pyrazinamide Resistance from Sputum Samples. Journal of Clinical Microbiology, 2019, 57, .	3.9	13
24	An Algorithm to Obtain the QRS Score Based on ECG Parameters Detection and Neural Networks for Confounder Classification. Smart Innovation, Systems and Technologies, 2019, , 201-211.	0.6	0
25	Complete Genome Sequence of a Nontypeable GII Norovirus Detected in Peru. Genome Announcements, 2018, 6, .	0.8	9
26	Method for the Automatic Segmentation of the Palpebral Conjunctiva using Image Processing. , 2018, , .		5
27	Automatic classification of pediatric pneumonia based on lung ultrasound pattern recognition. PLoS ONE, 2018, 13, e0206410.	2.5	68
28	IFN-Î³ Response Is Associated to Time Exposure Among Asymptomatic Immune Responders That Visited American Tegumentary Leishmaniasis Endemic Areas in Peru. Frontiers in Cellular and Infection Microbiology, 2018, 8, 289.	3.9	9
29	A novel enolase from Taenia solium metacestodes and its evaluation as an immunodiagnostic antigen for porcine cysticercosis. Experimental Parasitology, 2018, 191, 44-54.	1.2	4
30	Interdisciplinary Postdoctoral Training in Global Health Through a Novel Joint Project for Trainees from Diverse Disciplines: Benefits, Risks, and Observations. American Journal of Tropical Medicine and Hygiene, 2017, 96, 525-529.	1.4	3
31	A multiple genome analysis of Mycobacterium tuberculosis reveals specific novel genes and mutations associated with pyrazinamide resistance. BMC Genomics, 2017, 18, 769.	2.8	26
32	Mathematical algorithm for the automatic recognition of intestinal parasites. PLoS ONE, 2017, 12, e0175646.	2.5	22
33	Genetic variability of Taenia solium cysticerci recovered from experimentally infected pigs and from naturally infected pigs using microsatellite markers. PLoS Neglected Tropical Diseases, 2017, 11, e0006087.	3.0	6
34	Developing an eye-tracking algorithm as a potential tool for early diagnosis of autism spectrum disorder in children. PLoS ONE, 2017, 12, e0188826.	2.5	43
35	A quantitative adaptation of the Wayne test for pyrazinamide resistance. Tuberculosis, 2016, 99, 41-46.	1.9	11
36	Hypothetical granulin-like molecule from Fasciola hepatica identified by bioinformatics analysis. SpringerPlus, 2016, 5, 773.	1.2	5

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37	Evaluation of a lens-free imager to facilitate tuberculosis diagnostics in MODS. Tuberculosis, 2016, 97, 26-32.	1.9	3
38	Identification and Characterization of Microsatellite Markers Derived from the Whole Genome Analysis of Taenia solium. PLoS Neglected Tropical Diseases, 2015, 9, e0004316.	3.0	17
39	Multiple Norovirus Infections in a Birth Cohort in a Peruvian Periurban Community. Clinical Infectious Diseases, 2014, 58, 483-491.	5.8	158
40	Potentiometric method for resistance's measurement of pyrazinamide in mycobacterium tuberculosis. , 2014, , .		0
41	Nicotinamidase/pyrazinamidase of Mycobacterium tuberculosis forms homo-dimers stabilized by disulfide bonds. Tuberculosis, 2014, 94, 644-648.	1.9	2
42	Efficacy of combined antiparasitic therapy with praziquantel and albendazole for neurocysticercosis: a double-blind, randomised controlled trial. Lancet Infectious Diseases, The, 2014, 14, 687-695.	9.1	149
43	ImplementaciÃ³n de un sistema de telediagnÃ³stico de tuberculosis y determinaciÃ³n de multidrogorresistencia basada en el mÃ©todo MODS en Trujillo, PerÃº. Revista Peruana De Medicina De Experimental Y Salud Publica, 2014, 31, .	0.4	4
44	pncA gene expression and prediction factors on pyrazinamide resistance in Mycobacterium tuberculosis. Tuberculosis, 2013, 93, 515-522.	1.9	28
45	Morphological Characterization of Mycobacterium tuberculosis in a MODS Culture for an Automatic Diagnostics through Pattern Recognition. PLoS ONE, 2013, 8, e82809.	2.5	14
46	A New Approach for Pyrazinamide Susceptibility Testing inMycobacterium tuberculosis. Microbial Drug Resistance, 2012, 18, 372-375.	2.0	20
47	Role of Metal Ions on the Activity of Mycobacterium tuberculosis Pyrazinamidase. American Journal of Tropical Medicine and Hygiene, 2012, 87, 153-161.	1.4	20
48	Pyrazinoic acid efflux rate in Mycobacterium tuberculosis is a better proxy of pyrazinamide resistance. Tuberculosis, 2012, 92, 84-91.	1.9	38
49	TsAg5, a Taenia solium cysticercus protein with a marginal trypsin-like activity in the diagnosis of human neurocysticercosis. Molecular and Biochemical Parasitology, 2011, 180, 115-119.	1.1	10
50	A dot-ELISA using a partially purified cathepsin-L-like protein fraction fromTaenia soliumcysticerci, for the diagnosis of human neurocysticercosis. Annals of Tropical Medicine and Parasitology, 2011, 105, 311-318.	1.6	18
51	Structure-Activity relationship in mutated pyrazinamidases from Mycobacterium tuberculosis. Bioinformation, 2011, 6, 335-339.	0.5	12
52	Peruvian and globally reported amino acid substitutions on the Mycobacterium tuberculosis pyrazinamidase suggest a conserved pattern of mutations associated to pyrazinamide resistance. Infection, Genetics and Evolution, 2010, 10, 346-349.	2.3	18
53	Development of Low-Cost Inverted Microscope to Detect Early Growth of Mycobacterium tuberculosis in MODS Culture. PLoS ONE, 2010, 5, e9577.	2.5	21
54	Can the power of mobile phones be used to improve tuberculosis diagnosis in developing countries?. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2009, 103, 638-640.	1.8	58

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55	Utility of a Protein Fraction with Cathepsin L-Like Activity Purified from Cysticercus Fluid of Taenia solium in the Diagnosis of Human Cysticercosis. American Journal of Tropical Medicine and Hygiene, 2009, 80, 964-970.	1.4	25
56	Utility of a protein fraction with cathepsin L-Like activity purified from cysticercus fluid of Taenia solium in the diagnosis of human cysticercosis. American Journal of Tropical Medicine and Hygiene, 2009, 80, 964-70.	1.4	10