

Yogendra Singh

List of Publications by Year in descending order

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68
papers

1,961
citations

236925

25
h-index

276875

41
g-index

74
all docs

74
docs citations

74
times ranked

2519
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing taxonomically diverse and metabolically versatile genus <i>Paracoccus</i> for bioplastic synthesis and xenobiotic biodegradation. <i>Journal of Applied Microbiology</i> , 2022, 132, 4208-4224.	3.1	10
2	Evaluating the efficacy of stool sample on Xpert MTB/RIF Ultra and its comparison with other sample types by meta-analysis for TB diagnostics. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2022, 41, 893-906.	2.9	2
3	<i>Mycobacterium tuberculosis</i> Peptidyl Prolyl Isomerase A Interacts With Host Integrin Receptor to Exacerbate Disease Progression. <i>Journal of Infectious Diseases</i> , 2021, 224, 1383-1393.	4.0	9
4	Comparative Genomics and Integrated Network Approach Unveiled Undirected Phylogeny Patterns, Co-mutational Hot Spots, Functional Cross Talk, and Regulatory Interactions in SARS-CoV-2. <i>MSystems</i> , 2021, 6, .	3.8	23
5	Comparative Genomic Analysis of <i>Mycobacteriaceae</i> Reveals Horizontal Gene Transfer-Mediated Evolution of the CRISPR-Cas System in the <i>Mycobacterium tuberculosis</i> Complex. <i>MSystems</i> , 2021, 6, .	3.8	11
6	Phylogenomic Framework for Taxonomic Delineation of <i>Paracoccus</i> spp. and Exploration of Core-Pan Genome. <i>Indian Journal of Microbiology</i> , 2021, 61, 180-194.	2.7	3
7	Comparative proteomics unravelled the hexachlorocyclohexane (HCH) isomers specific responses in an archetypical HCH degrading bacterium <i>Sphingobium indicum</i> B90A. <i>Environmental Science and Pollution Research</i> , 2021, 28, 41380-41395.	5.3	6
8	ClpC-Mediated Sporulation Regulation at Engulfment Stage in <i>Bacillus anthracis</i> . <i>Indian Journal of Microbiology</i> , 2021, 61, 170-179.	2.7	3
9	Compromised base excision repair pathway in <i>Mycobacterium tuberculosis</i> imparts superior adaptability in the host. <i>PLoS Pathogens</i> , 2021, 17, e1009452.	4.7	16
10	Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences. <i>Indian Journal of Microbiology</i> , 2021, 61, 111-115.	2.7	0
11	PrkC, a Transmembrane Serine/Threonine Protein Kinase, Regulates Bacterial Chain Length in <i>Bacillus anthracis</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	2.2	5
12	Differential mass spectrometry-based proteome analyses unveil major regulatory hubs in rifamycin B production in <i>Amycolatopsis mediterranei</i> . <i>Journal of Proteomics</i> , 2021, 239, 104168.	2.4	6
13	Deletion of serine/threonine-protein kinase <i>pknL</i> from <i>Mycobacterium tuberculosis</i> reduces the efficacy of isoniazid and ethambutol. <i>Tuberculosis</i> , 2021, 128, 102066.	1.9	1
14	Adhesins in the virulence of opportunistic fungal pathogens of human. <i>Mycology</i> , 2021, 12, 296-324.	4.4	11
15	Recent developments in systems biology and genetic engineering toward design of vaccines for TB. <i>Critical Reviews in Biotechnology</i> , 2021, , 1-16.	9.0	3
16	Computational tools for modern vaccine development. <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 723-735.	3.3	61
17	Interplay of Human Gut Microbiome in Health and Wellness. <i>Indian Journal of Microbiology</i> , 2020, 60, 26-36.	2.7	40
18	Comparative genomics of <i>Sphingopyxis</i> spp. unravelled functional attributes. <i>Genomics</i> , 2020, 112, 1956-1969.	2.9	17

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19	Systems Biology Approaches for Therapeutics Development Against COVID-19. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 560240.	3.9	13
20	Comparative Genomic Analysis of Rapidly Evolving SARS-CoV-2 Reveals Mosaic Pattern of Phylogeographical Distribution. <i>MSystems</i> , 2020, 5, .	3.8	60
21	Gut microbiome of endangered <i>Tor putitora</i> (Ham.) as a reservoir of antibiotic resistance genes and pathogens associated with fish health. <i>BMC Microbiology</i> , 2020, 20, 249.	3.3	10
22	Diagnostic performance of non-invasive, stool-based molecular assays in patients with paucibacillary tuberculosis. <i>Scientific Reports</i> , 2020, 10, 7102.	3.3	17
23	Computational approaches in epitope design using DNA binding proteins as vaccine candidate in <i>Mycobacterium tuberculosis</i> . <i>Infection, Genetics and Evolution</i> , 2020, 83, 104357.	2.3	14
24	Complete genome sequence of <i>Paracoccus</i> sp. strain AK26: Insights into multipartite genome architecture and methylotrophy. <i>Genomics</i> , 2020, 112, 2572-2582.	2.9	9
25	Prediction of Transcription Factors and Their Involvement in Regulating Rifamycin Production in <i>Amycolatopsis mediterranei</i> S699. <i>Indian Journal of Microbiology</i> , 2020, 60, 310-317.	2.7	6
26	Methylation of two-component response regulator MtrA in mycobacteria negatively modulates its DNA binding and transcriptional activation. <i>Biochemical Journal</i> , 2020, 477, 4473-4489.	3.7	7
27	<i>Mycobacterium tuberculosis</i> exploits host ATM kinase for survival advantage through SecA2 secretome. <i>ELife</i> , 2020, 9, .	6.0	10
28	Regulation of Interferon- β receptor (IFN- β R) expression in macrophages during <i>Mycobacterium tuberculosis</i> infection. <i>Biomolecular Concepts</i> , 2020, 11, 76-85.	2.2	5
29	Draft Genome Sequence of <i>Deinococcus</i> sp. Strain S9, Isolated from Microbial Mat Deposits of Hot Springs Located atop the Himalayan Ranges at Manikaran, India. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	3
30	Comparison of DNA Extraction Methods for Optimal Recovery of Metagenomic DNA from Human and Environmental Samples. <i>Indian Journal of Microbiology</i> , 2019, 59, 482-489.	2.7	5
31	Human Milk Microbiota: Transferring the Antibiotic Resistome to Infants. <i>Indian Journal of Microbiology</i> , 2019, 59, 410-416.	2.7	6
32	Comparative metagenomic analyses of a high-altitude Himalayan geothermal spring revealed temperature-constrained habitat-specific microbial community and metabolic dynamics. <i>Archives of Microbiology</i> , 2019, 201, 377-388.	2.2	12
33	The Ser/Thr protein kinase PrkC imprints phenotypic memory in <i>Bacillus anthracis</i> spores by phosphorylating the glycolytic enzyme enolase. <i>Journal of Biological Chemistry</i> , 2019, 294, 8930-8941.	3.4	30
34	Gut microbiome contributes to impairment of immunity in pulmonary tuberculosis patients by alteration of butyrate and propionate producers. <i>Environmental Microbiology</i> , 2018, 20, 402-419.	3.8	120
35	Bacterial and Archaeal Viruses of Himalayan Hot Springs at Manikaran Modulate Host Genomes. <i>Frontiers in Microbiology</i> , 2018, 9, 3095.	3.5	27
36	Effect of Homocysteine on Biofilm Formation by <i>Mycobacteria</i> . <i>Indian Journal of Microbiology</i> , 2018, 58, 287-293.	2.7	5

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37	GroEL Mediates Folding of <i>Bacillus anthracis</i> Serine/Threonine Protein Kinase, PrkC. <i>Indian Journal of Microbiology</i> , 2018, 58, 520-524.	2.7	4
38	Quorum Sensing Inhibition: A Target for Treating Chronic Wounds. , 2018, , 111-126.		3
39	Highlight on Engineering <i>Mycobacterium smegmatis</i> for testosterone production. <i>Microbial Biotechnology</i> , 2017, 10, 73-75.	4.2	8
40	Comparative Genomic Analysis Reveals Habitat-Specific Genes and Regulatory Hubs within the Genus <i>Novosphingobium</i> . <i>MSystems</i> , 2017, 2, .	3.8	75
41	Ser/Thr protein kinase PrkC-mediated regulation of GroEL is critical for biofilm formation in <i>Bacillus anthracis</i> . <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 7.	6.4	40
42	Microbial taxonomy in the era of OMICS: application of DNA sequences, computational tools and techniques. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1357-1371.	1.7	54
43	Genome Organization of <i>Sphingobium indicum</i> B90A: An Archetypal Hexachlorocyclohexane (HCH) Degrading Genotype. <i>Genome Biology and Evolution</i> , 2017, 9, 2191-2197.	2.5	17
44	Suppression of Toll-like receptor mediated proinflammatory responses by <i>Mycobacterium tuberculosis</i> protein Rv3529c. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1249-1259.	3.3	17
45	Bacterial Virulence Factors: Secreted for Survival. <i>Indian Journal of Microbiology</i> , 2017, 57, 1-10.	2.7	126
46	Suppression of Protective Responses upon Activation of L-Type Voltage Gated Calcium Channel in Macrophages during <i>Mycobacterium bovis</i> BCG Infection. <i>PLoS ONE</i> , 2016, 11, e0163845.	2.5	15
47	Serine/Threonine Protein Phosphatase PstP of <i>Mycobacterium tuberculosis</i> Is Necessary for Accurate Cell Division and Survival of Pathogen. <i>Journal of Biological Chemistry</i> , 2016, 291, 24215-24230.	3.4	40
48	Comparative genomic analysis of novel <i>Acinetobacter</i> symbionts: A combined systems biology and genomics approach. <i>Scientific Reports</i> , 2016, 6, 29043.	3.3	33
49	Phylogenetic and Structural Analysis of Polyketide Synthases in <i>Aspergilli</i> . <i>Evolutionary Bioinformatics</i> , 2016, 12, EBO.S32694.	1.2	9
50	Draft genome sequence of <i>Lampropedia cohaerens</i> strain CT6T isolated from arsenic rich microbial mats of a Himalayan hot water spring. <i>Standards in Genomic Sciences</i> , 2016, 11, 64.	1.5	8
51	<i>Fictibacillus halophilus</i> sp. nov., from a microbial mat of a hot spring atop the Himalayan Range. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2409-2416.	1.7	24
52	<i>Corynebacterium pollutisoli</i> sp. nov., isolated from hexachlorocyclohexane-contaminated soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3531-3537.	1.7	15
53	Systematic Analysis of <i>Mycobacterial</i> Acylation Reveals First Example of Acylation-mediated Regulation of Enzyme Activity of a Bacterial Phosphatase. <i>Journal of Biological Chemistry</i> , 2015, 290, 26218-26234.	3.4	53
54	Protein Phosphatases of Pathogenic Bacteria: Role in Physiology and Virulence. <i>Annual Review of Microbiology</i> , 2015, 69, 527-547.	7.3	74

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55	<i>clpC</i> operon regulates cell architecture and sporulation in <i>Bacillus anthracis</i> . <i>Environmental Microbiology</i> , 2015, 17, 855-865.	3.8	22
56	Recent Developments in Anti-dotes Against Anthrax. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2015, 9, 83-96.	0.8	5
57	Identification of Ser/Thr kinase and Forkhead Associated Domains in <i>Mycobacterium ulcerans</i> : Characterization of Novel Association between Protein Kinase Q and MupFHA. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3315.	3.0	20
58	HupB, a Nucleoid-Associated Protein of <i>Mycobacterium tuberculosis</i> , Is Modified by Serine/Threonine Protein Kinases <i>In Vivo</i> . <i>Journal of Bacteriology</i> , 2014, 196, 2646-2657.	2.2	63
59	Modification of Rifamycin Polyketide Backbone Leads to Improved Drug Activity against Rifampicin-resistant <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 21142-21152.	3.4	40
60	Zinc regulates the activity of kinase-phosphatase pair (BasPrkC/BasPrpC) in <i>Bacillus anthracis</i> . <i>BioMetals</i> , 2013, 26, 715-730.	4.1	34
61	Regulation of homocysteine metabolism by <i>Mycobacterium tuberculosis</i> S-adenosylhomocysteine hydrolase. <i>Scientific Reports</i> , 2013, 3, 2264.	3.3	42
62	Unveiling the Novel Dual Specificity Protein Kinases in <i>Bacillus anthracis</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 26749-26763.	3.4	35
63	Interaction of <i>Mycobacterium tuberculosis</i> Elongation Factor Tu with GTP Is Regulated by Phosphorylation. <i>Journal of Bacteriology</i> , 2011, 193, 5347-5358.	2.2	86
64	Understanding the Role of PknJ in <i>Mycobacterium tuberculosis</i> : Biochemical Characterization and Identification of Novel Substrate Pyruvate Kinase A. <i>PLoS ONE</i> , 2010, 5, e10772.	2.5	45
65	Forkhead-associated Domain-containing Protein Rv0019c and Polyketide-associated Protein PapA5, from Substrates of Serine/Threonine Protein Kinase PknB to Interacting Proteins of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 34723-34734.	3.4	55
66	Identification and characterization of a laminin-binding protein of <i>Aspergillus fumigatus</i> : extracellular thaumatin domain protein (AfCalAp). <i>Journal of Medical Microbiology</i> , 2009, 58, 714-722.	1.8	51
67	Serine threonine protein kinases of mycobacterial genus: phylogeny to function. <i>Physiological Genomics</i> , 2007, 29, 66-75.	2.3	76
68	Role of <i>Mycobacterium tuberculosis</i> Ser/Thr Kinase PknF: Implications in Glucose Transport and Cell Division. <i>Journal of Bacteriology</i> , 2005, 187, 3415-3420.	2.2	87