

Paras Jain

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,114
citations

471509

17
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

1541
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid, sensitive, and low-cost detection of <i>Escherichia coli</i> bacteria in contaminated water samples using a phage-based assay. <i>Scientific Reports</i> , 2022, 12, 7741.	3.3	11
2	A Type IA DNA/RNA Topoisomerase with RNA Hydrolysis Activity Participates in Ribosomal RNA Processing. <i>Journal of Molecular Biology</i> , 2020, 432, 5614-5631.	4.2	7
3	Nanoluciferase Reporter Mycobacteriophage for Sensitive and Rapid Detection of <i>Mycobacterium tuberculosis</i> Drug Susceptibility. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	8
4	Early Detection of Emergent Extensively Drug-Resistant Tuberculosis by Flow Cytometry-Based Phenotyping and Whole-Genome Sequencing. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	15
5	Rational Design of Biosafety Level 2-Approved, Multidrug-Resistant Strains of <i>Mycobacterium tuberculosis</i> through Nutrient Auxotrophy. <i>MBio</i> , 2018, 9, .	4.1	50
6	Enhanced respiration prevents drug tolerance and drug resistance in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4495-4500.	7.1	157
7	Evaluation of a High-Intensity Green Fluorescent Protein Fluorophage Method for Drug-Resistance Diagnosis in Tuberculosis for Isoniazid, Rifampin, and Streptomycin. <i>Frontiers in Microbiology</i> , 2016, 7, 922.	3.5	4
8	Fluorescent Reporter DS6A Mycobacteriophages Reveal Unique Variations in Infectibility and Phage Production in <i>Mycobacteria</i> . <i>Journal of Bacteriology</i> , 2016, 198, 3220-3232.	2.2	31
9	Dual-Reporter Mycobacteriophages (Î ² DRMs) Reveal Preexisting <i>Mycobacterium tuberculosis</i> Persistent Cells in Human Sputum. <i>MBio</i> , 2016, 7, .	4.1	67
10	A Novel Reporter Phage To Detect Tuberculosis and Rifampin Resistance in a High-HIV-Burden Population. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2188-2194.	3.9	24
11	Specialized Transduction Designed for Precise High-Throughput Unmarked Deletions in <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2014, 5, e01245-14.	4.1	135
12	Enhanced Specialized Transduction Using Recombineering in <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2014, 5, e01179-14.	4.1	25
13	Noncanonical SMC protein in <i>Mycobacterium smegmatis</i> restricts maintenance of <i>Mycobacterium fortuitum</i> plasmids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13264-13271.	7.1	58
14	Comparative Proteomics Identifies the Cell-Associated Lethality of <i>M. tuberculosis</i> RelBE-like Toxin-Antitoxin Complexes. <i>Structure</i> , 2013, 21, 627-637.	3.3	27
15	Î ² GFP10, a High-Intensity Fluorophage, Enables Detection and Rapid Drug Susceptibility Testing of <i>Mycobacterium tuberculosis</i> Directly from Sputum Samples. <i>Journal of Clinical Microbiology</i> , 2012, 50, 1362-1369.	3.9	69
16	Characterization of DNA topoisomerase I from <i>Mycobacterium tuberculosis</i> : DNA cleavage and religation properties and inhibition of its activity. <i>Archives of Biochemistry and Biophysics</i> , 2012, 528, 197-203.	3.0	26
17	A recombinant <i>Mycobacterium smegmatis</i> induces potent bactericidal immunity against <i>Mycobacterium tuberculosis</i> . <i>Nature Medicine</i> , 2011, 17, 1261-1268.	30.7	192
18	Reporter Phage and Breath Tests: Emerging Phenotypic Assays for Diagnosing Active Tuberculosis, Antibiotic Resistance, and Treatment Efficacy. <i>Journal of Infectious Diseases</i> , 2011, 204, S1142-S1150.	4.0	28

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19	Cluster K Mycobacteriophages: Insights into the Evolutionary Origins of Mycobacteriophage TM4. PLoS ONE, 2011, 6, e26750.	2.5	60
20	<i>Mycobacterium tuberculosis</i> Dihydrofolate Reductase Is Not a Target Relevant to the Antitubercular Activity of Isoniazid. Antimicrobial Agents and Chemotherapy, 2010, 54, 3776-3782.	3.2	67
21	Indispensable, Functionally Complementing N and C-terminal Domains Constitute Site-specific Topoisomerase I. Journal of Molecular Biology, 2006, 357, 1409-1421.	4.2	29
22	An atypical type II topoisomerase from <i>Mycobacterium smegmatis</i> with positive supercoiling activity. Molecular Microbiology, 2005, 58, 1392-1405.	2.5	21