

Neeraj Dhar

List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

3,679

citations

31

h-index

60

g-index

87

ext. papers

4,422

ext. citations

7.8

avg, IF

5.15

L-index

#	Paper	IF	Citations
63	Mycobacterium tuberculosis EspK Has Active but Distinct Roles in the Secretion of EsxA and EspB.. <i>Journal of Bacteriology</i> , 2022 , e0006022	3.5	0
62	Rapid endotheliitis and vascular damage characterize SARS-CoV-2 infection in a human lung-on-chip model. <i>EMBO Reports</i> , 2021 , 22, e52744	6.5	24
61	Revealing Antibiotic Tolerance of the Xanthine/Uracil Permease Mutant Using Microfluidics and Single-Cell Analysis. <i>Antibiotics</i> , 2021 , 10,	4.9	1
60	Single-Cell Analysis of Mycobacteria Using Microfluidics and Time-Lapse Microscopy. <i>Methods in Molecular Biology</i> , 2021 , 2314, 205-229	1.4	0
59	Dynamic persistence of UPEC intracellular bacterial communities in a human bladder-chip model of urinary tract infection. <i>ELife</i> , 2021 , 10,	8.9	8
58	Early invasion of the bladder wall by solitary bacteria protects UPEC from antibiotics and neutrophil swarms in an organoid model. <i>Cell Reports</i> , 2021 , 36, 109351	10.6	1
57	Computational Analysis of the Mutual Constraints between Single-Cell Growth and Division Control Models. <i>Advanced Biology</i> , 2020 , 4, e1900103	3.5	4
56	A lung-on-chip model of early infection reveals an essential role for alveolar epithelial cells in controlling bacterial growth. <i>ELife</i> , 2020 , 9,	8.9	33
55	Preexisting variation in DNA damage response predicts the fate of single mycobacteria under stress. <i>EMBO Journal</i> , 2019 , 38, e101876	13	14
54	Elucidating the role of (p)ppGpp in mycobacterial persistence against antibiotics. <i>IUBMB Life</i> , 2018 , 70, 836-844	4.7	19
53	Fluorescent Benzothiazinone Analogues Efficiently and Selectively Label Dpre1 in Mycobacteria and Actinobacteria. <i>ACS Chemical Biology</i> , 2018 , 13, 3184-3192	4.9	7
52	Dielectrophoresis as a single cell characterization method for bacteria. <i>Biomedical Physics and Engineering Express</i> , 2017 , 3, 015005	1.5	15
51	An Amidase_3 domain-containing N-acetylmuramyl-L-alanine amidase is required for mycobacterial cell division. <i>Scientific Reports</i> , 2017 , 7, 1140	4.9	21
50	Division site selection linked to inherited cell surface wave troughs in mycobacteria. <i>Nature Microbiology</i> , 2017 , 2, 17094	26.6	40
49	The Inosine Monophosphate Dehydrogenase, GuaB2, Is a Vulnerable New Bactericidal Drug Target for Tuberculosis. <i>ACS Infectious Diseases</i> , 2017 , 3, 5-17	5.5	62
48	Identification of aminopyrimidine-sulfonamides as potent modulators of Wag31-mediated cell elongation in mycobacteria. <i>Molecular Microbiology</i> , 2017 , 103, 13-25	4.1	17
47	Phenotypic Heterogeneity in Mycobacterium tuberculosis 2017 , 671-697		1

46	Phenotypic Heterogeneity in Mycobacterium tuberculosis. <i>Microbiology Spectrum</i> , 2016 , 4,	8.9	34
45	Antitubercular drugs for an old target: GSK693 as a promising InhA direct inhibitor. <i>EBioMedicine</i> , 2016 , 8, 291-301	8.8	41
44	Rapid cytolysis of Mycobacterium tuberculosis by faropenem, an orally bioavailable β -lactam antibiotic. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 1308-19	5.9	75
43	Bioluminescence for assessing drug potency against nonreplicating Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 4012-9	5.9	27
42	Combinations of β -Lactam Antibiotics Currently in Clinical Trials Are Efficacious in a DHP-I-Deficient Mouse Model of Tuberculosis Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 4997-9	5.9	31
41	Whole Cell Target Engagement Identifies Novel Inhibitors of Mycobacterium tuberculosis Decaprenylphosphoryl- β -D-ribose Oxidase. <i>ACS Infectious Diseases</i> , 2015 , 1, 615-26	5.5	36
40	2-Carboxyquinoxalines kill mycobacterium tuberculosis through noncovalent inhibition of DprE1. <i>ACS Chemical Biology</i> , 2015 , 10, 705-14	4.9	95
39	Stress and host immunity amplify Mycobacterium tuberculosis phenotypic heterogeneity and induce nongrowing metabolically active forms. <i>Cell Host and Microbe</i> , 2015 , 17, 32-46	23.4	186
38	Stressed mycobacteria use the chaperone ClpB to sequester irreversibly oxidized proteins asymmetrically within and between cells. <i>Cell Host and Microbe</i> , 2015 , 17, 178-90	23.4	66
37	Single-cell analysis of mycobacteria using microfluidics and time-lapse microscopy. <i>Methods in Molecular Biology</i> , 2015 , 1285, 241-56	1.4	14
36	Delayed bactericidal response of Mycobacterium tuberculosis to bedaquiline involves remodelling of bacterial metabolism. <i>Nature Communications</i> , 2014 , 5, 3369	17.4	158
35	In vitro and in vivo activities of three oxazolidinones against nonreplicating Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 3217-23	5.9	41
34	Espl regulates the ESX-1 secretion system in response to ATP levels in Mycobacterium tuberculosis. <i>Molecular Microbiology</i> , 2014 , 93, 1057-1065	4.1	19
33	Assessing the essentiality of the decaprenyl-phospho-d-arabinofuranose pathway in Mycobacterium tuberculosis using conditional mutants. <i>Molecular Microbiology</i> , 2014 , 92, 194-211	4.1	61
32	The phosphatidyl-myo-inositol mannosyltransferase PimA is essential for Mycobacterium tuberculosis growth in vitro and in vivo. <i>Journal of Bacteriology</i> , 2014 , 196, 3441-51	3.5	30
31	4-aminoquinolone piperidine amides: noncovalent inhibitors of DprE1 with long residence time and potent antimycobacterial activity. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 5419-34	8.3	78
30	Dielectrophoresis-based purification of antibiotic-treated bacterial subpopulations. <i>Lab on A Chip</i> , 2014 , 14, 1850-7	7.2	50
29	Simple and rapid method to determine antimycobacterial potency of compounds by using autoluminescent Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 5801-8	5.9	22

28	Erratum for Boldrin et al., The Phosphatidyl- myo -Inositol Mannosyltransferase PimA Is Essential For Mycobacterium tuberculosis Growth In Vitro and In Vivo. <i>Journal of Bacteriology</i> , 2014 , 196, 4197-4197	3.5	0
27	Mycobacterium tuberculosis EspB binds phospholipids and mediates EsxA-independent virulence. <i>Molecular Microbiology</i> , 2013 , 89, 1154-66	4.1	51
26	Single-cell dynamics of the chromosome replication and cell division cycles in mycobacteria. <i>Nature Communications</i> , 2013 , 4, 2470	17.4	109
25	Dynamic persistence of antibiotic-stressed mycobacteria. <i>Science</i> , 2013 , 339, 91-5	33.3	388
24	Phenotypic profiling of Mycobacterium tuberculosis EspA point mutants reveals that blockage of ESAT-6 and CFP-10 secretion in vitro does not always correlate with attenuation of virulence. <i>Journal of Bacteriology</i> , 2013 , 195, 5421-30	3.5	37
23	Structural basis for benzothiazinone-mediated killing of Mycobacterium tuberculosis. <i>Science Translational Medicine</i> , 2012 , 4, 150ra121	17.5	123
22	Streptomycin-starved Mycobacterium tuberculosis 18b, a drug discovery tool for latent tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 5782-9	5.9	71
21	Malachite green interferes with postantibiotic recovery of mycobacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 3610-4	5.9	7
20	EspD is critical for the virulence-mediating ESX-1 secretion system in Mycobacterium tuberculosis. <i>Journal of Bacteriology</i> , 2012 , 194, 884-93	3.5	56
19	Nanoparticle conjugation and pulmonary delivery enhance the protective efficacy of Ag85B and CpG against tuberculosis. <i>Vaccine</i> , 2011 , 29, 6959-66	4.1	90
18	Mycobacterium tuberculosis persistence mutants identified by screening in isoniazid-treated mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12275-80	11.5	87
17	Simple model for testing drugs against nonreplicating Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 4150-8	5.9	104
16	Development of a repressible mycobacterial promoter system based on two transcriptional repressors. <i>Nucleic Acids Research</i> , 2010 , 38, e134	20.1	65
15	Boosting with a DNA vaccine expressing ESAT-6 (DNAE6) obliterates the protection imparted by recombinant BCG (rBCGE6) against aerosol Mycobacterium tuberculosis infection in guinea pigs. <i>Vaccine</i> , 2009 , 28, 63-70	4.1	21
14	Benzothiazinones kill Mycobacterium tuberculosis by blocking arabinan synthesis. <i>Science</i> , 2009 , 324, 801-4	33.3	524
13	Enhanced and enduring protection against tuberculosis by recombinant BCG-Ag85C and its association with modulation of cytokine profile in lung. <i>PLoS ONE</i> , 2008 , 3, e3869	3.7	49
12	Microbial phenotypic heterogeneity and antibiotic tolerance. <i>Current Opinion in Microbiology</i> , 2007 , 10, 30-8	7.9	236
11	Elicitation of efficient, protective immune responses by using DNA vaccines against tuberculosis. <i>Vaccine</i> , 2005 , 23, 5655-65	4.1	35

10	Increased expression of Mycobacterium tuberculosis 19 kDa lipoprotein obliterates the protective efficacy of BCG by polarizing host immune responses to the Th2 subtype. <i>Scandinavian Journal of Immunology</i> , 2005 , 61, 410-7	3.4	21
9	Immunogenicity of recombinant BCG vaccine strains overexpressing components of the antigen 85 complex of Mycobacterium tuberculosis. <i>Medical Microbiology and Immunology</i> , 2004 , 193, 19-25	4	23
8	Skewing of the Th1/Th2 responses in mice due to variation in the level of expression of an antigen in a recombinant BCG system. <i>Immunology Letters</i> , 2003 , 88, 175-84	4.1	30
7	Disruption of mptpB impairs the ability of Mycobacterium tuberculosis to survive in guinea pigs. <i>Molecular Microbiology</i> , 2003 , 50, 751-62	4.1	145
6	Modulation of host immune responses by overexpression of immunodominant antigens of Mycobacterium tuberculosis in bacille Calmette-Guérin. <i>Scandinavian Journal of Immunology</i> , 2003 , 58, 449-61	3.4	30
5	Recent advances in tuberculosis research in India. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2003 , 84, 211-73	1.7	2
4	Recombinant BCG approach for development of vaccines: cloning and expression of immunodominant antigens of M. tuberculosis. <i>FEMS Microbiology Letters</i> , 2000 , 190, 309-16	2.9	27
3	A lung-on-chip model reveals an essential role for alveolar epithelial cells in controlling bacterial growth during early tuberculosis		3
2	Rapid endothelial infection, endothelialitis and vascular damage characterise SARS-CoV-2 infection in a human lung-on-chip model		7
1	Dynamic persistence of intracellular bacterial communities of uropathogenic Escherichia coli in a human bladder-chip model of urinary tract infections		2