

Roby P Bhattacharyya

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

5,451
citations

304743

22
h-index

265206

42
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54
all docs

54
docs citations

54
times ranked

9011
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Survival and its impact on chronic kidney disease. <i>Translational Research</i> , 2022, 241, 70-82.	5.0	22
2	Detection of the Omicron Variant Virus With the Abbott BinaxNow SARS-CoV-2 Rapid Antigen Assay. <i>Open Forum Infectious Diseases</i> , 2022, 9, ofac022.	0.9	20
3	Challenges in Inferring Intrinsic Severity of the SARS-CoV-2 Omicron Variant. <i>New England Journal of Medicine</i> , 2022, 386, e14.	27.0	124
4	Inter-species geographic signatures for tracing horizontal gene transfer and long-term persistence of carbapenem resistance. <i>Genome Medicine</i> , 2022, 14, 37.	8.2	15
5	Multiplexed detection of bacterial nucleic acids using Cas13 in droplet microarrays. , 2022, 1, pgac021.		15
6	Remdesivir in Patients With Estimated GFR$\leq 30\text{ ml/min per }1.73\text{ m}^2\text{ or on Renal Replacement Therapy}$. <i>Kidney International Reports</i> , 2021, 6, 835-838.	0.8	20
7	Genetic determinants facilitating the evolution of resistance to carbapenem antibiotics. <i>ELife</i> , 2021, 10, .	6.0	15
8	Core Antibiotic-Induced Transcriptional Signatures Reflect Susceptibility to All Members of an Antibiotic Class. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	1
9	Longitudinal proteomic analysis of severe COVID-19 reveals survival-associated signatures, tissue-specific cell death, and cell-cell interactions. <i>Cell Reports Medicine</i> , 2021, 2, 100287.	6.5	183
10	Preventing Infectious Complications of Immunomodulation in COVID-19 in Foreign-Born Patients. <i>Journal of Immigrant and Minority Health</i> , 2021, 23, 1343-1347.	1.6	2
11	Plasma from patients with bacterial sepsis or severe COVID-19 induces suppressive myeloid cell production from hematopoietic progenitors in vitro. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	64
12	Cross-sectional assessment of SARS-CoV-2 viral load by symptom status in Massachusetts congregate living facilities. <i>Journal of Infectious Diseases</i> , 2021, , .	4.0	3
13	Harnessing the Potential of Multiomics Studies for Precision Medicine in Infectious Disease. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab483.	0.9	13
14	Wisdom of the crowds: A suggested polygenic plan for small-RNA-mediated regulation in bacteria. <i>IScience</i> , 2021, 24, 103096.	4.1	7
15	Phase-3 Randomized Controlled Trials on Exclusion of Participants With Kidney Disease in COVID-19. <i>Kidney International Reports</i> , 2021, 6, 196-199.	0.8	5
16	Remdesivir in Patients with Acute or Chronic Kidney Disease and COVID-19. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 1384-1386.	6.1	142
17	Myocyte Specific Upregulation of ACE2 in Cardiovascular Disease: Implications for SARS-CoV-2 Mediated Myocarditis. <i>Circulation</i> , 2020, 142, 708-710.	1.6	73
18	An immune-cell signature of bacterial sepsis. <i>Nature Medicine</i> , 2020, 26, 333-340.	30.7	261

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19	654. Core Antibiotic-Induced Transcriptional Signatures Reflect Susceptibility to All Members of an Antibiotic Class. <i>Open Forum Infectious Diseases</i> , 2020, 7, S384-S384.	0.9	0
20	738. A Novel Molecular Diagnostic Assay for Identification of Fungal Pathogens. <i>Open Forum Infectious Diseases</i> , 2020, 7, S418-S419.	0.9	1
21	1830. Single-cell Transcriptional Profiling Reveals an Immune Cell State Signature of Bacterial Sepsis. <i>Open Forum Infectious Diseases</i> , 2019, 6, S42-S42.	0.9	1
22	Impact of Species Diversity on the Design of RNA-Based Diagnostics for Antibiotic Resistance in <i>Neisseria gonorrhoeae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	22
23	Rapid identification and phylogenetic classification of diverse bacterial pathogens in a multiplexed hybridization assay targeting ribosomal RNA. <i>Scientific Reports</i> , 2019, 9, 4516.	3.3	11
24	Hybridization-based capture of pathogen mRNA enables paired host-pathogen transcriptional analysis. <i>Scientific Reports</i> , 2019, 9, 19244.	3.3	27
25	Simultaneous detection of genotype and phenotype enables rapid and accurate antibiotic susceptibility determination. <i>Nature Medicine</i> , 2019, 25, 1858-1864.	30.7	85
26	Harnessing CRISPR Effectors for Infectious Disease Diagnostics. <i>ACS Infectious Diseases</i> , 2018, 4, 1278-1282.	3.8	58
27	High-throughput automated microfluidic sample preparation for accurate microbial genomics. <i>Nature Communications</i> , 2017, 8, 13919.	12.8	81
28	Nucleic acid detection with CRISPR-Cas13a/C2c2. <i>Science</i> , 2017, 356, 438-442.	12.6	2,275
29	Case 30-2017. <i>New England Journal of Medicine</i> , 2017, 377, 1274-1282.	27.0	2
30	An Educational and Administrative Intervention to Promote Rational Laboratory Test Ordering on an Academic General Medicine Service. <i>American Journal of Medicine</i> , 2017, 130, 47-53.	1.5	27
31	Rapid Phenotypic Antibiotic Susceptibility Testing Through RNA Detection. <i>Open Forum Infectious Diseases</i> , 2017, 4, S33-S33.	0.9	6
32	Case 4-2016. <i>New England Journal of Medicine</i> , 2016, 374, 573-581.	27.0	3
33	Direct detection and drug-resistance profiling of bacteremias using inertial microfluidics. <i>Lab on A Chip</i> , 2015, 15, 2297-2307.	6.0	119
34	Simultaneous generation of many RNA-seq libraries in a single reaction. <i>Nature Methods</i> , 2015, 12, 323-325.	19.0	256
35	Mechanisms of β -lactam killing and resistance in the context of <i>Mycobacterium tuberculosis</i> . <i>Journal of Antibiotics</i> , 2014, 67, 645-654.	2.0	61
36	A 52-year-old Cuban Immigrant with Weight Loss, Dyspnea, and Fever. <i>Clinical Infectious Diseases</i> , 2011, 52, 368-368.	5.8	3

#	ARTICLE	IF	CITATIONS
37	Domains, Motifs, and Scaffolds: The Role of Modular Interactions in the Evolution and Wiring of Cell Signaling Circuits. Annual Review of Biochemistry, 2006, 75, 655-680.	11.1	411
38	The Ste5 Scaffold Allosterically Modulates Signaling Output of the Yeast Mating Pathway. Science, 2006, 311, 822-826.	12.6	266
39	The Role of Docking Interactions in Mediating Signaling Input, Output, and Discrimination in the Yeast MAPK Network. Molecular Cell, 2005, 20, 951-962.	9.7	145
40	Rewiring cell signaling: the logic and plasticity of eukaryotic protein circuitry. Current Opinion in Structural Biology, 2004, 14, 690-699.	5.7	127
41	Sho1 and Pbs2 Act as Coscaffolds Linking Components in the Yeast High Osmolarity MAP Kinase Pathway. Molecular Cell, 2004, 14, 825-832.	9.7	94
42	The Structure and Function of Proline Recognition Domains. Science Signaling, 2003, 2003, re8-re8.	3.6	282
43	Viscosity Dependence of the Folding Kinetics of a Dimeric and Monomeric Coiled Coil. Biochemistry, 1999, 38, 2601-2609.	2.5	65