

Amol C Shetty

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

3,476
citations

201385

27
h-index

205818

48
g-index

54
all docs

54
docs citations

54
times ranked

7915
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Translatome changes in acute myeloid leukemia cells post-exposure to pegcrisantaspace and venetoclax. <i>Experimental Hematology</i> , 2022, , . | 0.2 | 2 |
| 2 | Multiple genetic paths including massive gene amplification allow <i>Mycobacterium tuberculosis</i> to overcome loss of ESX-3 secretion system substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 3.3 | 9 |
| 3 | Therapeutic implications of <i>C. albicans</i> - <i>S. aureus</i> mixed biofilm in a murine subcutaneous catheter model of polymicrobial infection. <i>Virulence</i> , 2021, 12, 835-851. | 1.8 | 37 |
| 4 | FADU: a Quantification Tool for Prokaryotic Transcriptomic Analyses. <i>MSystems</i> , 2021, 6, . | 1.7 | 8 |
| 5 | Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. <i>Nature</i> , 2021, 590, 290-299. | 13.7 | 1,069 |
| 6 | Determining <i>Aspergillus fumigatus</i> transcription factor expression and function during invasion of the mammalian lung. <i>PLoS Pathogens</i> , 2021, 17, e1009235. | 2.1 | 28 |
| 7 | Best practices on the differential expression analysis of multi-species RNA-seq. <i>Genome Biology</i> , 2021, 22, 121. | 3.8 | 51 |
| 8 | Tissue Damage in Radiation-Induced Oral Mucositis Is Mitigated by IL-17 Receptor Signaling. <i>Frontiers in Immunology</i> , 2021, 12, 687627. | 2.2 | 11 |
| 9 | Comprehensive molecular profiling of UV-induced metastatic melanoma in Nme1/Nme2-deficient mice reveals novel markers of survival in human patients. <i>Oncogene</i> , 2021, 40, 6329-6342. | 2.6 | 8 |
| 10 | Venetoclax and pegcrisantaspace for complex karyotype acute myeloid leukemia. <i>Leukemia</i> , 2020, 35, 1907-1924. | 3.3 | 19 |
| 11 | Repeated sampling facilitates within- and between-subject modeling of the human sperm transcriptome to identify dynamic and stress-responsive sncRNAs. <i>Scientific Reports</i> , 2020, 10, 17498. | 1.6 | 16 |
| 12 | Tobacco Hornworm (<i>Manduca sexta</i>) caterpillars as a novel host model for the study of fungal virulence and drug efficacy. <i>Virulence</i> , 2020, 11, 1075-1089. | 1.8 | 12 |
| 13 | Integrated analysis of miRNAs and DNA methylation identifies miR-32 as a tumor suppressor in lung adenocarcinoma. <i>Thoracic Cancer</i> , 2020, 11, 2112-2124. | 0.8 | 6 |
| 14 | Oral epithelial IL-22/STAT3 signaling licenses IL-17-mediated immunity to oral mucosal candidiasis. <i>Science Immunology</i> , 2020, 5, . | 5.6 | 66 |
| 15 | Reproductive tract extracellular vesicles are sufficient to transmit intergenerational stress and program neurodevelopment. <i>Nature Communications</i> , 2020, 11, 1499. | 5.8 | 125 |
| 16 | Detecting geospatial patterns of <i>Plasmodium falciparum</i> parasite migration in Cambodia using optimized estimated effective migration surfaces. <i>International Journal of Health Geographics</i> , 2020, 19, 13. | 1.2 | 2 |
| 17 | Evolutionary history of modern Samoans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9458-9465. | 3.3 | 14 |
| 18 | Monocyte Subsets With High Osteoclastogenic Potential and Their Epigenetic Regulation Orchestrated by IRF8. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 199-214. | 3.1 | 13 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Cost effective, experimentally robust differential-expression analysis for human/mammalian, pathogen and dual-species transcriptomics. <i>Microbial Genomics</i> , 2020, 6, . | 1.0 | 0 |
| 20 | Dual RNA-Seq of Chlamydia and Host Cells. <i>Methods in Molecular Biology</i> , 2019, 2042, 123-135. | 0.4 | 7 |
| 21 | <i>Candida albicans</i> quorum-sensing molecule farnesol modulates staphyloxanthin production and activates the thiol-based oxidative-stress response in <i>Staphylococcus aureus</i> . <i>Virulence</i> , 2019, 10, 625-642. | 1.8 | 35 |
| 22 | Genomic structure and diversity of <i>Plasmodium falciparum</i> in Southeast Asia reveal recent parasite migration patterns. <i>Nature Communications</i> , 2019, 10, 2665. | 5.8 | 46 |
| 23 | Whole blood transcriptomic profiles can differentiate vulnerability to chronic low back pain. <i>PLoS ONE</i> , 2019, 14, e0216539. | 1.1 | 39 |
| 24 | Cross-species transcriptional analysis reveals conserved and host-specific neoplastic processes in mammalian glioma. <i>Scientific Reports</i> , 2018, 8, 1180. | 1.6 | 22 |
| 25 | Identification of a gene expression signature associated with the metastasis suppressor function of NME1: prognostic value in human melanoma. <i>Laboratory Investigation</i> , 2018, 98, 327-338. | 1.7 | 13 |
| 26 | A comparative analysis of library prep approaches for sequencing low input transcriptome samples. <i>BMC Genomics</i> , 2018, 19, 696. | 1.2 | 66 |
| 27 | A Genome-Wide Association Study of Idiopathic Dilated Cardiomyopathy in African Americans. <i>Journal of Personalized Medicine</i> , 2018, 8, 11. | 1.1 | 38 |
| 28 | Targeted enrichment outperforms other enrichment techniques and enables more multi-species RNA-Seq analyses. <i>Scientific Reports</i> , 2018, 8, 13377. | 1.6 | 17 |
| 29 | Evolutionary genomic dynamics of Peruvians before, during, and after the Inca Empire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6526-E6535. | 3.3 | 115 |
| 30 | Inhibition of EGFR Signaling Protects from Mucormycosis. <i>MBio</i> , 2018, 9, . | 1.8 | 45 |
| 31 | Iron restriction inside macrophages regulates pulmonary host defense against <i>Rhizopus</i> species. <i>Nature Communications</i> , 2018, 9, 3333. | 5.8 | 85 |
| 32 | Association of a Novel Mutation in the <i>Plasmodium falciparum</i> Chloroquine Resistance Transporter With Decreased Piperaquine Sensitivity. <i>Journal of Infectious Diseases</i> , 2017, 216, 468-476. | 1.9 | 102 |
| 33 | Comparative genomics and transcriptomics of <i>Escherichia coli</i> isolates carrying virulence factors of both enteropathogenic and enterotoxigenic <i>E. coli</i> . <i>Scientific Reports</i> , 2017, 7, 3513. | 1.6 | 45 |
| 34 | Transcriptional Variation of Diverse Enteropathogenic <i>Escherichia coli</i> Isolates under Virulence-Inducing Conditions. <i>MSystems</i> , 2017, 2, . | 1.7 | 12 |
| 35 | Aligner optimization increases accuracy and decreases compute times in multi-species sequence data. <i>Microbial Genomics</i> , 2017, 3, e000122. | 1.0 | 13 |
| 36 | <i>Streptococcus pneumoniae</i> in the heart subvert the host response through biofilm-mediated resident macrophage killing. <i>PLoS Pathogens</i> , 2017, 13, e1006582. | 2.1 | 62 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | An integrated genomic and transcriptomic survey of mucormycosis-causing fungi. Nature Communications, 2016, 7, 12218. | 5.8 | 103 |
| 38 | Challenges and disparities in the application of personalized genomic medicine to populations with African ancestry. Nature Communications, 2016, 7, 12521. | 5.8 | 68 |
| 39 | Genome-wide diversity and gene expression profiling of Babesia microti isolates identify polymorphic genes that mediate host-pathogen interactions. Scientific Reports, 2016, 6, 35284. | 1.6 | 74 |
| 40 | RNA-Seq analysis of isolate- and growth phase-specific differences in the global transcriptomes of enteropathogenic Escherichia coli prototype isolates. Frontiers in Microbiology, 2015, 6, 569. | 1.5 | 32 |
| 41 | New signaling pathways govern the host response to <i>C. albicans</i> infection in various niches. Genome Research, 2015, 25, 679-689. | 2.4 | 82 |
| 42 | Brain feminization requires active repression of masculinization via DNA methylation. Nature Neuroscience, 2015, 18, 690-697. | 7.1 | 339 |
| 43 | Drosophila anti-nematode and antibacterial immune regulators revealed by RNA-Seq. BMC Genomics, 2015, 16, 519. | 1.2 | 55 |
| 44 | Transcriptomic Analysis of Vulvovaginal Candidiasis Identifies a Role for the NLRP3 Inflammasome. MBio, 2015, 6, . | 1.8 | 114 |
| 45 | Molecular epidemiology and genomics of group A Streptococcus. Infection, Genetics and Evolution, 2015, 33, 393-418. | 1.0 | 65 |
| 46 | MNKs act as a regulatory switch for eIF4E1 and eIF4E3 driven mRNA translation in DLBCL. Nature Communications, 2014, 5, 5413. | 5.8 | 73 |
| 47 | Characterization of microRNA transcriptome in lung cancer by next-generation deep sequencing. Molecular Oncology, 2014, 8, 1208-1219. | 2.1 | 73 |
| 48 | Simultaneous Transcriptional Profiling of Bacteria and Their Host Cells. PLoS ONE, 2013, 8, e80597. | 1.1 | 125 |