

Amitesh Anand

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

650
citations

840776

11
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

996
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory evolution of synthetic electron transport system variants reveals a larger metabolic respiratory system and its plasticity. <i>Nature Communications</i> , 2022, 13, .	12.8	8
2	Bacterial fitness landscapes stratify based on proteome allocation associated with discrete aero-types. <i>PLoS Computational Biology</i> , 2021, 17, e1008596.	3.2	14
3	Restoration of fitness lost due to dysregulation of the pyruvate dehydrogenase complex is triggered by ribosomal binding site modifications. <i>Cell Reports</i> , 2021, 35, 108961.	6.4	13
4	Environmental conditions dictate differential evolution of vancomycin resistance in <i>Staphylococcus aureus</i> . <i>Communications Biology</i> , 2021, 4, 793.	4.4	18
5	Machine Learning of Bacterial Transcriptomes Reveals Responses Underlying Differential Antibiotic Susceptibility. <i>MSphere</i> , 2021, 6, e0044321.	2.9	12
6	OxyR Is a Convergent Target for Mutations Acquired during Adaptation to Oxidative Stress-Prone Metabolic States. <i>Molecular Biology and Evolution</i> , 2020, 37, 660-667.	8.9	52
7	Metabolic and genetic basis for auxotrophies in Gram-negative species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6264-6273.	7.1	39
8	Revealing 29 sets of independently modulated genes in <i>Staphylococcus aureus</i> , their regulators, and role in key physiological response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17228-17239.	7.1	60
9	RNA and bacterial infection. , 2020, , 307-326.		0
10	Cellular responses to reactive oxygen species are predicted from molecular mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14368-14373.	7.1	79
11	Pseudogene repair driven by selection pressure applied in experimental evolution. <i>Nature Microbiology</i> , 2019, 4, 386-389.	13.3	21
12	Adaptive evolution reveals a tradeoff between growth rate and oxidative stress during naphthoquinone-based aerobic respiration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25287-25292.	7.1	56
13	Machine learning and structural analysis of <i>Mycobacterium tuberculosis</i> pan-genome identifies genetic signatures of antibiotic resistance. <i>Nature Communications</i> , 2018, 9, 4306.	12.8	126
14	Antimicrobial Efficacy of Synthetic Pyranochromenones and (Coumarinyloxy)acetamides. <i>Indian Journal of Microbiology</i> , 2017, 57, 499-502.	2.7	1
15	Repurposing of a drug scaffold: Identification of novel sila analogues of rimonabant as potent antitubercular agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 723-730.	5.5	59
16	Shape and size engineered cellulosic nanomaterials as broad spectrum anti-microbial compounds. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 460-465.	7.5	9
17	Polyketide Quinones Are Alternate Intermediate Electron Carriers during <i>Mycobacterial</i> Respiration in Oxygen-Deficient Niches. <i>Molecular Cell</i> , 2015, 60, 637-650.	9.7	53
18	Insight into the Role of Physicochemical Parameters in a Novel Series of Amphipathic Peptides for Efficient DNA Delivery. <i>Molecular Pharmaceutics</i> , 2013, 10, 2588-2600.	4.6	21