Ajai A Dandekar

List of Publications by Year
in descending order

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Version: 2024-02-01

37 papers	3,061 citations	304743 22 h-index	330143 37 g-index
44 all docs	44 docs citations	44 times ranked	4165 citing authors

#	Article	IF	Citations
1	Evolution of the Quorum Sensing Regulon in Cooperating Populations of Pseudomonas aeruginosa. MBio, 2022, 13, e0016122.	4.1	17
2	Genetic and Transcriptomic Characteristics of RhlR-Dependent Quorum Sensing in Cystic Fibrosis Isolates of Pseudomonas aeruginosa. MSystems, 2022, 7, e0011322.	3.8	14
3	Tobramycin Adaptation Enhances Policing of Social Cheaters in Pseudomonas aeruginosa. Applied and Environmental Microbiology, 2021, 87, e0002921.	3.1	12
4	Resistance elicited by sub-lethal concentrations of ampicillin is partially mediated by quorum sensing in Pseudomonas aeruginosa. Environment International, 2021, 156, 106619.	10.0	14
5	Burkholderia thailandensis Methylated Hydroxyalkylquinolines: Biosynthesis and Antimicrobial Activity in Cocultures. Applied and Environmental Microbiology, 2020, 86, .	3.1	12
6	More than Simple Parasites: the Sociobiology of Bacteriophages and Their Bacterial Hosts. MBio, 2020, 11, .	4.1	23
7	RhlR-Regulated Acyl-Homoserine Lactone Quorum Sensing in a Cystic Fibrosis Isolate of Pseudomonas aeruginosa. MBio, 2020, 11, .	4.1	59
8	Dynamics of cheater invasion in a cooperating population of Pseudomonas aeruginosa. Scientific Reports, 2019, 9, 10190.	3.3	7
9	Conditional quorum-sensing induction of a cyanide-insensitive terminal oxidase stabilizes cooperating populations of Pseudomonas aeruginosa. Nature Communications, 2019, 10, 4999.	12.8	35
10	In vitro evolution of Pseudomonas aeruginosa AA2 biofilms in the presence of cystic fibrosis lung microbiome members. Scientific Reports, 2019, 9, 12859.	3.3	29
11	Evolution of the Pseudomonas aeruginosa quorum-sensing hierarchy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7027-7032.	7.1	197
12	Modulation of Pseudomonas aeruginosa Quorum Sensing by Glutathione. Journal of Bacteriology, 2019, 201, .	2.2	12
13	The Pseudomonas aeruginosa Orphan Quorum Sensing Signal Receptor QscR Regulates Global Quorum Sensing Gene Expression by Activating a Single Linked Operon. MBio, 2018, 9, .	4.1	53
14	Bacterial Quorum Sensing and Microbial Community Interactions. MBio, 2018, 9, .	4.1	364
15	A Metabolic Trade-Off Modulates Policing of Social Cheaters in Populations of Pseudomonas aeruginosa. Frontiers in Microbiology, 2018, 9, 337.	3.5	21
16	Social Evolution: Selection on Multiple Cooperative Traits Optimizes Costâ€“Benefit Relationships. Current Biology, 2018, 28, R752-R755.	3.9	3
17	Nitrogen Source Stabilization of Quorum Sensing in the Pseudomonas aeruginosa Bioaugmentation Strain SD-1. Applied and Environmental Microbiology, 2017, 83, .	3.1	7
18	Gene Duplication in Pseudomonas aeruginosa Improves Growth on Adenosine. Journal of Bacteriology, 2017, 199, .	2.2	15

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19	LasR Variant Cystic Fibrosis Isolates Reveal an Adaptable Quorum-Sensing Hierarchy in Pseudomonas aeruginosa. MBio, 2016, 7, .	4.1	219
20	Quorum sensing and policing of Pseudomonas aeruginosa social cheaters. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2187-2191.	7.1	209
21	Quorum Sensing Protects Pseudomonas aeruginosa against Cheating by Other Species in a Laboratory Coculture Model. Journal of Bacteriology, 2015, 197, 3154-3159.	2.2	58
22	Cystic fibrosisâ€“adapted Pseudomonas aeruginosa quorum sensing lasR mutants cause hyperinflammatory responses. Science Advances, 2015, 1, .	10.3	107
23	Plan B for quorum sensing. Nature Chemical Biology, 2013, 9, 292-293.	8.0	28
24	The Single-Nucleotide Resolution Transcriptome of Pseudomonas aeruginosa Grown in Body Temperature. PLoS Pathogens, 2012, 8, e1002945.	4.7	240
25	Bacterial Quorum Sensing and Metabolic Incentives to Cooperate. Science, 2012, 338, 264-266.	12.6	304
26	Reversible Signal Binding by the Pseudomonas aeruginosa Quorum-Sensing Signal Receptor LasR. MBio, 2011, 2, e00011-11.	4.1	31
27	Antiviral Antibodies Are Necessary To Prevent Cytotoxic T-Lymphocyte Escape in Mice Infected with a Coronavirus. Journal of Virology, 2007, 81, 13291-13298.	3.4	4
28	Glucocorticoid contribution to lymphopaenia and immunpathology in patients with SARS. Nature Reviews Immunology, 2006, 6, 334-334.	22.7	0
29	Immunopathogenesis of coronavirus infections: implications for SARS. Nature Reviews Immunology, 2005, 5, 917-927.	22.7	452
30	Important Roles for Gamma Interferon and NKG2D in Î³Î´ T-Cell-Induced Demyelination in T-Cell Receptor Î²-Deficient Mice Infected with a Coronavirus. Journal of Virology, 2005, 79, 9388-9396.	3.4	34
31	Bystander CD8 T-Cell-Mediated Demyelination is Interferon-Î³-Dependent in a Coronavirus Model of Multiple Sclerosis. American Journal of Pathology, 2004, 164, 363-369.	3.8	34
32	Antibody-Mediated Protection against Cytotoxic T-Cell Escape in Coronavirus-Induced Demyelination. Journal of Virology, 2003, 77, 11867-11874.	3.4	17
33	Virus-Induced Demyelination in Nude Mice Is Mediated by Î³Î´ T Cells. American Journal of Pathology, 2002, 161, 1255-1263.	3.8	51
34	Axonal Damage Is T Cell Mediated and Occurs Concomitantly with Demyelination in Mice Infected with a Neurotropic Coronavirus. Journal of Virology, 2001, 75, 6115-6120.	3.4	76
35	CD4 and CD8 T Cells Have Redundant But Not Identical Roles in Virus-Induced Demyelination. Journal of Immunology, 2000, 165, 2278-2286.	0.8	187
36	Protein Kinase C Modulates the Insulin-Stimulated Increase in Akt1 and Akt3 Activity in 3T3-L1 Adipocytes. Biochemical and Biophysical Research Communications, 1998, 243, 509-513.	2.1	53

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37	Comparison of the Signaling Abilities of the Cytoplasmic Domains of the Insulin Receptor and the Insulin Receptor-Related Receptor in 3T3-L1 Adipocytes1. Endocrinology, 1998, 139, 3578-3584.	2.8	13