

# Ajai A Dandekar

## List of Publications by Year in descending order

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37  
papers

3,061  
citations

304743

22  
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330143

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g-index

44  
all docs

44  
docs citations

44  
times ranked

4165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunopathogenesis of coronavirus infections: implications for SARS. <i>Nature Reviews Immunology</i> , 2005, 5, 917-927.	22.7	452
2	Bacterial Quorum Sensing and Microbial Community Interactions. <i>MBio</i> , 2018, 9, .	4.1	364
3	Bacterial Quorum Sensing and Metabolic Incentives to Cooperate. <i>Science</i> , 2012, 338, 264-266.	12.6	304
4	The Single-Nucleotide Resolution Transcriptome of <i>Pseudomonas aeruginosa</i> Grown in Body Temperature. <i>PLoS Pathogens</i> , 2012, 8, e1002945.	4.7	240
5	LasR Variant Cystic Fibrosis Isolates Reveal an Adaptable Quorum-Sensing Hierarchy in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2016, 7, .	4.1	219
6	Quorum sensing and policing of <i>Pseudomonas aeruginosa</i> social cheaters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2187-2191.	7.1	209
7	Evolution of the <i>Pseudomonas aeruginosa</i> quorum-sensing hierarchy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7027-7032.	7.1	197
8	CD4 and CD8 T Cells Have Redundant But Not Identical Roles in Virus-Induced Demyelination. <i>Journal of Immunology</i> , 2000, 165, 2278-2286.	0.8	187
9	Cystic fibrosis-adapted <i>Pseudomonas aeruginosa</i> quorum sensing <i>lasR</i> mutants cause hyperinflammatory responses. <i>Science Advances</i> , 2015, 1, .	10.3	107
10	Axonal Damage Is T Cell Mediated and Occurs Concomitantly with Demyelination in Mice Infected with a Neurotropic Coronavirus. <i>Journal of Virology</i> , 2001, 75, 6115-6120.	3.4	76
11	RhlR-Regulated Acyl-Homoserine Lactone Quorum Sensing in a Cystic Fibrosis Isolate of <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2020, 11, .	4.1	59
12	Quorum Sensing Protects <i>Pseudomonas aeruginosa</i> against Cheating by Other Species in a Laboratory Coculture Model. <i>Journal of Bacteriology</i> , 2015, 197, 3154-3159.	2.2	58
13	Protein Kinase C Modulates the Insulin-Stimulated Increase in Akt1 and Akt3 Activity in 3T3-L1 Adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 1998, 243, 509-513.	2.1	53
14	The <i>Pseudomonas aeruginosa</i> Orphan Quorum Sensing Signal Receptor QscR Regulates Global Quorum Sensing Gene Expression by Activating a Single Linked Operon. <i>MBio</i> , 2018, 9, .	4.1	53
15	Virus-Induced Demyelination in Nude Mice Is Mediated by $\gamma\delta$ T Cells. <i>American Journal of Pathology</i> , 2002, 161, 1255-1263.	3.8	51
16	Conditional quorum-sensing induction of a cyanide-insensitive terminal oxidase stabilizes cooperating populations of <i>Pseudomonas aeruginosa</i> . <i>Nature Communications</i> , 2019, 10, 4999.	12.8	35
17	Bystander CD8 T-Cell-Mediated Demyelination is Interferon- $\gamma$ -Dependent in a Coronavirus Model of Multiple Sclerosis. <i>American Journal of Pathology</i> , 2004, 164, 363-369.	3.8	34
18	Important Roles for Gamma Interferon and NKG2D in $\gamma\delta$ T-Cell-Induced Demyelination in T-Cell Receptor $\beta$ -Deficient Mice Infected with a Coronavirus. <i>Journal of Virology</i> , 2005, 79, 9388-9396.	3.4	34

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19	Reversible Signal Binding by the <i>Pseudomonas aeruginosa</i> Quorum-Sensing Signal Receptor LasR. <i>MBio</i> , 2011, 2, e00011-11.	4.1	31
20	In vitro evolution of <i>Pseudomonas aeruginosa</i> AA2 biofilms in the presence of cystic fibrosis lung microbiome members. <i>Scientific Reports</i> , 2019, 9, 12859.	3.3	29
21	Plan B for quorum sensing. <i>Nature Chemical Biology</i> , 2013, 9, 292-293.	8.0	28
22	More than Simple Parasites: the Sociobiology of Bacteriophages and Their Bacterial Hosts. <i>MBio</i> , 2020, 11, .	4.1	23
23	A Metabolic Trade-Off Modulates Policing of Social Cheaters in Populations of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 337.	3.5	21
24	Antibody-Mediated Protection against Cytotoxic T-Cell Escape in Coronavirus-Induced Demyelination. <i>Journal of Virology</i> , 2003, 77, 11867-11874.	3.4	17
25	Evolution of the Quorum Sensing Regulon in Cooperating Populations of <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2022, 13, e0016122.	4.1	17
26	Gene Duplication in <i>Pseudomonas aeruginosa</i> Improves Growth on Adenosine. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	15
27	Resistance elicited by sub-lethal concentrations of ampicillin is partially mediated by quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Environment International</i> , 2021, 156, 106619.	10.0	14
28	Genetic and Transcriptomic Characteristics of RhlR-Dependent Quorum Sensing in Cystic Fibrosis Isolates of <i>Pseudomonas aeruginosa</i> . <i>MSystems</i> , 2022, 7, e0011322.	3.8	14
29	Comparison of the Signaling Abilities of the Cytoplasmic Domains of the Insulin Receptor and the Insulin Receptor-Related Receptor in 3T3-L1 Adipocytes1. <i>Endocrinology</i> , 1998, 139, 3578-3584.	2.8	13
30	Modulation of <i>Pseudomonas aeruginosa</i> Quorum Sensing by Glutathione. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	12
31	<i>Burkholderia thailandensis</i> Methylated Hydroxyalkylquinolines: Biosynthesis and Antimicrobial Activity in Cocultures. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	12
32	Tobramycin Adaptation Enhances Policing of Social Cheaters in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, e0002921.	3.1	12
33	Nitrogen Source Stabilization of Quorum Sensing in the <i>Pseudomonas aeruginosa</i> Bioaugmentation Strain SD-1. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	7
34	Dynamics of cheater invasion in a cooperating population of <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2019, 9, 10190.	3.3	7
35	Antiviral Antibodies Are Necessary To Prevent Cytotoxic T-Lymphocyte Escape in Mice Infected with a Coronavirus. <i>Journal of Virology</i> , 2007, 81, 13291-13298.	3.4	4
36	Social Evolution: Selection on Multiple Cooperative Traits Optimizes Cost-Benefit Relationships. <i>Current Biology</i> , 2018, 28, R752-R755.	3.9	3

#	ARTICLE	IF	CITATIONS
37	Glucocorticoid contribution to lymphopaenia and immunopathology in patients with SARS. Nature Reviews Immunology, 2006, 6, 334-334.	22.7	0