

Philip N Rather

List of Publications by Year in descending order

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58
papers

4,633
citations

147801

31
h-index

144013

57
g-index

58
all docs

58
docs citations

58
times ranked

4795
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Challenge of Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3471-3484.	3.2	1,027
2	Analysis of Antibiotic Resistance Genes in Multidrug-Resistant <i>Acinetobacter</i> sp. Isolates from Military and Civilian Patients Treated at the Walter Reed Army Medical Center. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 4114-4123.	3.2	457
3	Isolation and Characterization of an Autoinducer Synthase from <i>Acinetobacter baumannii</i> . <i>Journal of Bacteriology</i> , 2008, 190, 3386-3392.	2.2	243
4	Complete Genome Sequence of Uropathogenic <i>Proteus mirabilis</i> , a Master of both Adherence and Motility. <i>Journal of Bacteriology</i> , 2008, 190, 4027-4037.	2.2	229
5	Genetic analysis of surface motility in <i>Acinetobacter baumannii</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 2534-2544.	1.8	205
6	<i>Acinetobacter baumannii</i> Strain M2 Produces Type IV Pili Which Play a Role in Natural Transformation and Twitching Motility but Not Surface-Associated Motility. <i>MBio</i> , 2013, 4, .	4.1	182
7	Swarmer cell differentiation in <i>Proteus mirabilis</i> . <i>Environmental Microbiology</i> , 2005, 7, 1065-1073.	3.8	163
8	Rhomboid protease AarA mediates quorum-sensing in <i>Providencia stuartii</i> by activating TatA of the twin-arginine translocase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1003-1008.	7.1	144
9	Evidence that putrescine acts as an extracellular signal required for swarming in <i>Proteus mirabilis</i> . <i>Molecular Microbiology</i> , 2004, 51, 437-446.	2.5	137
10	A high-frequency phenotypic switch links bacterial virulence and environmental survival in <i>Acinetobacter baumannii</i> . <i>Nature Microbiology</i> , 2018, 3, 563-569.	13.3	120
11	Strategic Approaches to Overcome Resistance against Gram-Negative Pathogens Using β -Lactamase Inhibitors and β -Lactam Enhancers: Activity of Three Novel Diazabicyclooctanes WCK 5153, Zidebactam (WCK 5107), and WCK 4234. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4067-4086.	6.4	117
12	Roles of two-component regulatory systems in antibiotic resistance. <i>Future Microbiology</i> , 2019, 14, 533-552.	2.0	111
13	A conserved mechanism for extracellular signaling in eukaryotes and prokaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12208-12213.	7.1	106
14	Attenuation of Quorum Sensing in the Pathogen <i>Acinetobacter baumannii</i> Using Non-native <i>N</i> -Acyl Homoserine Lactones. <i>ACS Chemical Biology</i> , 2012, 7, 1719-1728.	3.4	104
15	Phase-Variable Control of Multiple Phenotypes in <i>Acinetobacter baumannii</i> Strain AB5075. <i>Journal of Bacteriology</i> , 2015, 197, 2593-2599.	2.2	102
16	<i>Acinetobacter baumannii</i> -Associated Skin and Soft Tissue Infections: Recognizing a Broadening Spectrum of Disease. <i>Surgical Infections</i> , 2010, 11, 49-57.	1.4	94
17	An <i>ompR-envZ</i> Two-Component System Ortholog Regulates Phase Variation, Osmotic Tolerance, Motility, and Virulence in <i>Acinetobacter baumannii</i> Strain AB5075. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	85
18	Regulation of gene expression during swarmer cell differentiation in <i>Proteus mirabilis</i> . <i>FEMS Microbiology Reviews</i> , 2010, 34, 753-763.	8.6	74

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19	Insights Into Mechanisms of Biofilm Formation in <i>Acinetobacter baumannii</i> and Implications for Uropathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 253.	3.9	66
20	Targeting Multidrug-Resistant <i>Acinetobacter</i> spp.: Sulbactam and the Diazabicyclooctenone β -Lactamase Inhibitor ETX2514 as a Novel Therapeutic Agent. <i>MBio</i> , 2019, 10, .	4.1	64
21	<i>Providencia stuartii</i> Genes Activated by Cell-to-Cell Signaling and Identification of a Gene Required for Production or Activity of an Extracellular Factor. <i>Journal of Bacteriology</i> , 1999, 181, 7185-7191.	2.2	62
22	Aminoglycoside Heteroresistance in <i>Acinetobacter baumannii</i> AB5075. <i>MSphere</i> , 2018, 3, .	2.9	54
23	Role of Capsule in Resistance to Disinfectants, Host Antimicrobials, and Desiccation in <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	52
24	The Rcs regulon in <i>Proteus mirabilis</i> : implications for motility, biofilm formation, and virulence. <i>Current Genetics</i> , 2016, 62, 775-789.	1.7	45
25	Regulation of flhDC expression in <i>Proteus mirabilis</i> . <i>Research in Microbiology</i> , 2007, 158, 295-302.	2.1	42
26	The Lon protease regulates swarming motility and virulence gene expression in <i>Proteus mirabilis</i> . <i>Journal of Medical Microbiology</i> , 2008, 57, 931-937.	1.8	42
27	Role of the Umo Proteins and the Rcs Phosphorelay in the Swarming Motility of the Wild Type and an O-Antigen (<i>waaL</i>) Mutant of <i>Proteus mirabilis</i> . <i>Journal of Bacteriology</i> , 2012, 194, 669-676.	2.2	41
28	Loss of the WaaL O-Antigen Ligase Prevents Surface Activation of the Flagellar Gene Cascade in <i>Proteus mirabilis</i> . <i>Journal of Bacteriology</i> , 2010, 192, 3213-3221.	2.2	38
29	Extensively Drug-Resistant <i>Pseudomonas aeruginosa</i> Isolates Containing <i>bla</i> _{VIM-2} and Elements of Salmonella Genomic Island 2: a New Genetic Resistance Determinant in Northeast Ohio. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5929-5935.	3.2	34
30	Functional Characterization of <i>Escherichia coli</i> GlpG and Additional Rhomboid Proteins Using an <i>aarA</i> Mutant of <i>Providencia stuartii</i> . <i>Journal of Bacteriology</i> , 2006, 188, 3415-3419.	2.2	33
31	Multiple roles for a novel RND-type efflux system in <i>Acinetobacter baumannii</i> AB5075. <i>MicrobiologyOpen</i> , 2017, 6, e00418.	3.0	33
32	A Novel Gene Involved in Regulating the Flagellar Gene Cascade in <i>Proteus mirabilis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 7830-7839.	2.2	27
33	Putrescine Importer PlaP Contributes to Swarming Motility and Urothelial Cell Invasion in <i>Proteus mirabilis</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 15668-15676.	3.4	27
34	Regulation of the Min Cell Division Inhibition Complex by the Rcs Phosphorelay in <i>Proteus mirabilis</i> . <i>Journal of Bacteriology</i> , 2015, 197, 2499-2507.	2.2	27
35	Role of rhomboid proteases in bacteria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2849-2854.	2.6	24
36	Copy Number of an Integron-Encoded Antibiotic Resistance Locus Regulates a Virulence and Opacity Switch in <i>Acinetobacter baumannii</i> AB5075. <i>MBio</i> , 2020, 11, .	4.1	22

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37	Mutations Decreasing Intrinsic β -Lactam Resistance Are Linked to Cell Division in the Nosocomial Pathogen <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3751-3758.	3.2	20
38	Characterization of RelA in <i>Acinetobacter baumannii</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	20
39	Isolation of β -lactams to <i>Proteus mirabilis</i> genes regulated by intercellular signaling: potential role for the sugar phosphotransferase (Pts) system in regulation. <i>FEMS Microbiology Letters</i> , 2002, 217, 43-50.	1.8	16
40	A comprehensive and contemporary snapshot of β -lactamases in carbapenem resistant <i>Acinetobacter baumannii</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 99, 115242.	1.8	16
41	Broad Spectrum Antibiotic Xanthocillin X Effectively Kills <i>Acinetobacter baumannii</i> via Dysregulation of Heme Biosynthesis. <i>ACS Central Science</i> , 2021, 7, 488-498.	11.3	16
42	Characterization of a Novel Gene, <i>wosA</i> , Regulating FlhDC Expression in <i>Proteus mirabilis</i> . <i>Journal of Bacteriology</i> , 2008, 190, 1946-1955.	2.2	14
43	A regulatory cascade involving AarG, a putative sensor kinase, controls the expression of the 2'-N-acetyltransferase and an intrinsic multiple antibiotic resistance (Mar) response in <i>Providencia stuartii</i> . <i>Molecular Microbiology</i> , 1998, 28, 1345-1353.	2.5	12
44	1,2,3-Triazolylmethaneboronate: A Structure Activity Relationship Study of a Class of β -Lactamase Inhibitors against <i>Acinetobacter baumannii</i> Cephalosporinase. <i>ACS Infectious Diseases</i> , 2020, 6, 1965-1975.	3.8	12
45	Extraction and Visualization of Capsular Polysaccharide from <i>Acinetobacter baumannii</i> . <i>Methods in Molecular Biology</i> , 2019, 1946, 227-231.	0.9	11
46	OXA-23 β -Lactamase Overexpression in <i>Acinetobacter baumannii</i> Drives Physiological Changes Resulting in New Genetic Vulnerabilities. <i>MBio</i> , 2021, 12, e0313721.	4.1	10
47	Role of SspA in the density-dependent expression of the transcriptional activator AarP in <i>Providencia stuartii</i> . <i>FEMS Microbiology Letters</i> , 2001, 196, 25-29.	1.8	8
48	Methods for Detecting N-Acyl Homoserine Lactone Production in <i>Acinetobacter baumannii</i> . <i>Methods in Molecular Biology</i> , 2019, 1946, 253-258.	0.9	8
49	A LysR-Type Transcriptional Regulator Controls Multiple Phenotypes in <i>Acinetobacter baumannii</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 778331.	3.9	8
50	Regulation of the Swarming Inhibitor <i>disA</i> in <i>Proteus mirabilis</i> . <i>Journal of Bacteriology</i> , 2013, 195, 3237-3243.	2.2	6
51	Expression of the <i>DisA</i> amino acid decarboxylase from <i>Proteus mirabilis</i> inhibits motility and class 2 flagellar gene expression in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , 2013, 164, 31-37.	2.1	5
52	Allelic Exchange Mutagenesis in <i>Proteus mirabilis</i> . <i>Methods in Molecular Biology</i> , 2019, 2021, 77-84.	0.9	5
53	Positive autoregulation of the <i>flhDC</i> operon in <i>Proteus mirabilis</i> . <i>Research in Microbiology</i> , 2018, 169, 199-204.	2.1	4
54	Spatial regulation of cell motility and its fitness effect in a surface-attached bacterial community. <i>ISME Journal</i> , 2022, 16, 1004-1011.	9.8	4

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55	Distinguishing Colony Opacity Variants and Measuring Opacity Variation in <i>Acinetobacter baumannii</i> . <i>Methods in Molecular Biology</i> , 2019, 1946, 151-157.	0.9	3
56	Methods for Transposon Mutagenesis in <i>Proteus mirabilis</i> . <i>Methods in Molecular Biology</i> , 2019, 2016, 81-85.	0.9	1
57	Isolation of lacZ fusions to <i>Proteus mirabilis</i> genes regulated by intercellular signaling: potential role for the sugar phosphotransferase (Pts) system in regulation. <i>FEMS Microbiology Letters</i> , 2002, 217, 43-50.	1.8	1
58	Intercellular Signaling by Rhomboids in Eukaryotes and Prokaryotes. , 0, , 431-442.		0