

Robert P Ryan

List of Publications by Year in descending order

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59
papers

7,262
citations

71102

41
h-index

110387

64
g-index

66
all docs

66
docs citations

66
times ranked

7014
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial endophytes: recent developments and applications. FEMS Microbiology Letters, 2008, 278, 1-9.	1.8	1,202
2	The versatility and adaptation of bacteria from the genus <i>Stenotrophomonas</i> . Nature Reviews Microbiology, 2009, 7, 514-525.	28.6	641
3	Cell-cell signaling in <i>Xanthomonas campestris</i> involves an HD-GYP domain protein that functions in cyclic di-GMP turnover. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6712-6717.	7.1	499
4	Pathogenomics of <i>Xanthomonas</i> : understanding bacterium-plant interactions. Nature Reviews Microbiology, 2011, 9, 344-355.	28.6	428
5	Genome sequence and rapid evolution of the rice pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A. BMC Genomics, 2008, 9, 204.	2.8	327
6	Diffusible signals and interspecies communication in bacteria. Microbiology (United Kingdom), 2008, 154, 1845-1858.	1.8	241
7	Interspecies signalling via the <i>Stenotrophomonas maltophilia</i> diffusible signal factor influences biofilm formation and polymyxin tolerance in <i>Pseudomonas aeruginosa</i> . Molecular Microbiology, 2008, 68, 75-86.	2.5	213
8	The DSF Family of Cell-Cell Signals: An Expanding Class of Bacterial Virulence Regulators. PLoS Pathogens, 2015, 11, e1004986.	4.7	192
9	The cAMP Receptor-Like Protein CLP Is a Novel c-di-GMP Receptor Linking Cell-Cell Signaling to Virulence Gene Expression in <i>Xanthomonas campestris</i> . Journal of Molecular Biology, 2010, 396, 646-662.	4.2	191
10	Two New Complete Genome Sequences Offer Insight into Host and Tissue Specificity of Plant Pathogenic <i>Xanthomonas</i> spp. Journal of Bacteriology, 2011, 193, 5450-5464.	2.2	189
11	Comparative genomics reveals diversity among xanthomonads infecting tomato and pepper. BMC Genomics, 2011, 12, 146.	2.8	167
12	Cyclic Di-GMP Signaling in Bacteria: Recent Advances and New Puzzles. Journal of Bacteriology, 2006, 188, 8327-8334.	2.2	162
13	Polybacterial human disease: the ills of social networking. Trends in Microbiology, 2014, 22, 508-516.	7.7	147
14	Cyclic di-GMP signalling in the virulence and environmental adaptation of <i>Xanthomonas campestris</i> . Molecular Microbiology, 2007, 63, 429-442.	2.5	144
15	Communication with a growing family: diffusible signal factor (DSF) signaling in bacteria. Trends in Microbiology, 2011, 19, 145-152.	7.7	144
16	Diffusible Signal Factor-Dependent Cell-Cell Signaling and Virulence in the Nosocomial Pathogen <i>Stenotrophomonas maltophilia</i> . Journal of Bacteriology, 2007, 189, 4964-4968.	2.2	136
17	Cell-cell signal-dependent dynamic interactions between HD-GYP and GGDEF domain proteins mediate virulence in <i>Xanthomonas campestris</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5989-5994.	7.1	133
18	The CRP/FNR family protein Bcam1349 is a c-di-GMP effector that regulates biofilm formation in the respiratory pathogen <i>Burkholderia cenocepacia</i> . Molecular Microbiology, 2011, 82, 327-341.	2.5	125

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19	The HD-GYP Domain, Cyclic Di-GMP Signaling, and Bacterial Virulence to Plants. <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 1378-1384.	2.6	105
20	HD-GYP domain proteins regulate biofilm formation and virulence in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2009, 11, 1126-1136.	3.8	103
21	Bacterial <i>cis</i> -2-unsaturated fatty acids found in the cystic fibrosis airway modulate virulence and persistence of <i>Pseudomonas aeruginosa</i> . <i>ISME Journal</i> , 2012, 6, 939-950.	9.8	98
22	Crystal structure of an HD-GYP domain cyclic-di-GMP phosphodiesterase reveals an enzyme with a novel trinuclear catalytic iron centre. <i>Molecular Microbiology</i> , 2014, 91, 26-38.	2.5	92
23	Modelling Co-Infection of the Cystic Fibrosis Lung by <i>Pseudomonas aeruginosa</i> and <i>Burkholderia cenocepacia</i> Reveals Influences on Biofilm Formation and Host Response. <i>PLoS ONE</i> , 2012, 7, e52330.	2.5	91
24	Acquisition and Evolution of Plant Pathogenesis-Associated Gene Clusters and Candidate Determinants of Tissue-Specificity in <i>Xanthomonas</i> . <i>PLoS ONE</i> , 2008, 3, e3828.	2.5	89
25	Heterogeneity in <i>Ess</i> transcriptional organization and variable contribution of the <i>Ess</i> /Type VII protein secretion system to virulence across closely related <i>S</i> <i>taphylococcus aureus</i> strains. <i>Molecular Microbiology</i> , 2014, 93, 928-943.	2.5	84
26	When the PilZ don't work: effectors for cyclic di-GMP action in bacteria. <i>Trends in Microbiology</i> , 2012, 20, 235-242.	7.7	83
27	Cyclic di-GMP signalling and the regulation of bacterial virulence. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1286-1297.	1.8	75
28	The role of PilZ domain proteins in the virulence of <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Molecular Plant Pathology</i> , 2008, 9, 819-824.	4.2	74
29	Novel Cyclic di-GMP Effectors of the YajQ Protein Family Control Bacterial Virulence. <i>PLoS Pathogens</i> , 2014, 10, e1004429.	4.7	73
30	Microbiota and Metabolite Profiling Reveal Specific Alterations in Bacterial Community Structure and Environment in the Cystic Fibrosis Airway during Exacerbation. <i>PLoS ONE</i> , 2013, 8, e82432.	2.5	66
31	A sensor kinase recognizing the cell-cell signal BDSF (<i>cis</i> -2-dodecenoic acid) regulates virulence in <i>Burkholderia cenocepacia</i> . <i>Molecular Microbiology</i> , 2010, 77, 1220-1236.	2.5	63
32	The exopolysaccharide gene cluster <i>Bcam1330</i> is involved in <i>Burkholderia cenocepacia</i> biofilm formation, and its expression is regulated by cyclic-di-GMP and <i>Bcam1349</i> . <i>MicrobiologyOpen</i> , 2013, 2, 105-122.	3.0	58
33	Intraspecies Signaling Involving the Diffusible Signal Factor BDSF (<i>cis</i> -2-Dodecenoic Acid) Influences Virulence in <i>Burkholderia cenocepacia</i> . <i>Journal of Bacteriology</i> , 2009, 191, 5013-5019.	2.2	52
34	High-resolution transcriptional analysis of the regulatory influence of cell-to-cell signalling reveals novel genes that contribute to <i>Xanthomonas</i> phytopathogenesis. <i>Molecular Microbiology</i> , 2013, 88, 1058-1069.	2.5	51
35	Structural Insights into the Distinct Binding Mode of Cyclic Di-AMP with <i>Sa</i> CpaA_RCK. <i>Biochemistry</i> , 2015, 54, 4936-4951.	2.5	48
36	The changing face of asthma and its relation with microbes. <i>Trends in Microbiology</i> , 2015, 23, 408-418.	7.7	47

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37	A cyclic GMP-dependent signalling pathway regulates bacterial phytopathogenesis. <i>EMBO Journal</i> , 2013, 32, 2430-2438.	7.8	46
38	Comparative Transcriptomic Analysis of the <i>Burkholderia cepacia</i> Tyrosine Kinase <i>bceF</i> Mutant Reveals a Role in Tolerance to Stress, Biofilm Formation, and Virulence. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3009-3020.	3.1	45
39	The <i>PAS</i> domain-containing histidine kinase <i>RpfS</i> is a second sensor for the diffusible signal factor of <i>Xanthomonas campestris</i> . <i>Molecular Microbiology</i> , 2014, 92, 586-597.	2.5	45
40	Intermolecular interactions between HD-GYP and GGDEF domain proteins mediate virulence-related signal transduction in <i>Xanthomonas campestris</i> . <i>Virulence</i> , 2010, 1, 404-408.	4.4	43
41	<i>RsmA</i> Regulates Biofilm Formation in <i>Xanthomonas campestris</i> through a Regulatory Network Involving Cyclic di-GMP and the Clp Transcription Factor. <i>PLoS ONE</i> , 2012, 7, e52646.	2.5	42
42	Targeting Cyclic di-GMP Signalling: A Strategy to Control Biofilm Formation?. <i>Current Pharmaceutical Design</i> , 2014, 21, 12-24.	1.9	42
43	Genomic Survey of Pathogenicity Determinants and VNTR Markers in the Cassava Bacterial Pathogen <i>Xanthomonas axonopodis</i> pv. <i>Manihotis</i> Strain CIO151. <i>PLoS ONE</i> , 2013, 8, e79704.	2.5	42
44	Cell-cell signaling, cyclic di-GMP turnover and regulation of virulence in <i>Xanthomonas campestris</i> . <i>Research in Microbiology</i> , 2006, 157, 899-904.	2.1	34
45	An acquired efflux system is responsible for copper resistance in <i>Xanthomonas</i> strain IG-8 isolated from China. <i>FEMS Microbiology Letters</i> , 2007, 268, 40-46.	1.8	33
46	Genome sequence and rapid evolution of the rice pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A. <i>BMC Genomics</i> , 2008, 9, 534.	2.8	33
47	An Orphan Chemotaxis Sensor Regulates Virulence and Antibiotic Tolerance in the Human Pathogen <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2012, 7, e42205.	2.5	33
48	The Ax21 Protein Is a Cell-Cell Signal That Regulates Virulence in the Nosocomial Pathogen <i>Stenotrophomonas maltophilia</i> . <i>Journal of Bacteriology</i> , 2011, 193, 6375-6378.	2.2	30
49	Advances in bacterial transcriptome and transposon insertion-site profiling using second-generation sequencing. <i>Trends in Biotechnology</i> , 2011, 29, 586-594.	9.3	25
50	Functional and genomic insights into the pathogenesis of <i>Burkholderia</i> species to rice. <i>Environmental Microbiology</i> , 2016, 18, 780-790.	3.8	25
51	Proteomics Analysis of the Regulatory Role of Rpf/DSF Cell-to-Cell Signaling System in the Virulence of <i>Xanthomonas campestris</i> . <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 1131-1137.	2.6	17
52	Combating chronic bacterial infections by manipulating cyclic nucleotide-regulated biofilm formation. <i>Future Medicinal Chemistry</i> , 2016, 8, 949-961.	2.3	6
53	Cyclic di-GMP signalling in the virulence and environmental adaptation of <i>Xanthomonas campestris</i> . <i>Molecular Microbiology</i> , 2017, 104, 690-692.	2.5	4
54	The Diffusible Signal Factor Family of Bacterial Cell-Cell Signals. <i>Israel Journal of Chemistry</i> , 2016, 56, 321-329.	2.3	3

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55	Communication, Cooperation, and Social Interactions: a Report from the Third Young Microbiologists Symposium on Microbe Signalling, Organisation, and Pathogenesis. <i>Journal of Bacteriology</i> , 2014, 196, 3527-3533.	2.2	2
56	Establishment of a High-throughput Setup for Screening Small Molecules That Modulate c-di-GMP Signaling in <i>Pseudomonas aeruginosa</i> . <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	2
57	A cyclic GMP-dependent signalling pathway regulates bacterial phytopathogenesis. <i>EMBO Journal</i> , 2013, 32, 2779-2781.	7.8	1
58	High-resolution transcriptional analysis of the regulatory influence of cell-to-cell signalling reveals novel genes that contribute to <i>Xanthomonas</i> phytopathogenesis. <i>Molecular Microbiology</i> , 2017, 104, 693-694.	2.5	0
59	The HD-GYP Domain and Cyclic Di-GMP Signaling. , 0, , 57-67.		0