

Rory M Watt

List of Publications by Year in descending order

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65
papers

2,875
citations

172457

29
h-index

175258

52
g-index

67
all docs

67
docs citations

67
times ranked

4132
citing authors

#	ARTICLE	IF	CITATIONS
1	Oral Microbiota Transplant in Dogs with Naturally Occurring Periodontitis. <i>Journal of Dental Research</i> , 2021, 100, 764-770.	5.2	17
2	Complete Genome Sequences of Three Human Oral <i>Treponema parvum</i> Isolates. <i>Microbiology Resource Announcements</i> , 2021, 10, e0039421.	0.6	1
3	Diversity of <i>Treponema denticola</i> and Other Oral Treponeme Lineages in Subjects with Periodontitis and Gingivitis. <i>Microbiology Spectrum</i> , 2021, 9, e0070121.	3.0	19
4	Complete Genome Sequence of Human Oral Phylogroup 1 <i>Treponema</i> sp. Strain OMZ 804 (ATCC) Tj ETQq0.0.0 rgBT /Overlock 1 <i>Announcements</i> , 2020, 9, .	0.6	3
5	The Ps and Qs of alarmone synthesis in <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2019, 14, e0213630.	2.5	29
6	Species-Level Salivary Microbial Indicators of Well-Resolved Periodontitis: A Preliminary Investigation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 347.	3.9	26
7	Intraoral single-site comparisons of periodontal and peri-implant microbiota in health and disease. <i>Clinical Oral Implants Research</i> , 2019, 30, 760-776.	4.5	72
8	Long-term impact of oral surgery with or without amoxicillin on the oral microbiome-A prospective cohort study. <i>Scientific Reports</i> , 2019, 9, 18761.	3.3	12
9	Evaluation of peer-generated MCQs to assess and support learning in a problem-based learning programme. <i>European Journal of Dental Education</i> , 2018, 22, e358-e363.	2.0	7
10	Salivary microbiome of an urban Indian cohort and patterns linked to subclinical inflammation. <i>Oral Diseases</i> , 2017, 23, 926-940.	3.0	26
11	Oral treponeme major surface protein: Sequence diversity and distributions within periodontal niches. <i>Molecular Oral Microbiology</i> , 2017, 32, 455-474.	2.7	9
12	Multilocus Sequence Analysis of Phylogroup 1 and 2 Oral Treponeme Strains. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	8
13	<i>Laribacter hongkongensis</i> anaerobic adaptation mediated by arginine metabolism is controlled by the cooperation of FNR and ArgR. <i>Environmental Microbiology</i> , 2017, 19, 1266-1280.	3.8	16
14	Salivary microbiome in non-oral disease: A summary of evidence and commentary. <i>Archives of Oral Biology</i> , 2017, 83, 169-173.	1.8	56
15	In-depth sequence analysis of highly-conserved <i>pyrH</i> gene to study distributions of oral treponemes in periodontal disease versus health. <i>Journal of Oral Microbiology</i> , 2017, 9, 1325210.	2.7	0
16	In-depth snapshot of the equine subgingival microbiome. <i>Microbial Pathogenesis</i> , 2016, 94, 76-89.	2.9	26
17	Salivary IL-1 β and red complex bacteria as predictors of the inflammatory status in sub-peri-implant niches of subjects with peri-implant mucositis. <i>Clinical Oral Implants Research</i> , 2016, 27, 662-667.	4.5	14
18	Periodontal and peri-implant microbiota in patients with healthy and inflamed periodontal and peri-implant tissues. <i>Clinical Oral Implants Research</i> , 2016, 27, 13-21.	4.5	116

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19	Purification, crystallization and X-ray crystallographic analysis of a putative exopolyphosphatase from <i>Zymomonas mobilis</i> . Acta Crystallographica Section F, Structural Biology Communications, 2016, 72, 172-178.	0.8	2
20	Distributions of Synergistetes in clinically-healthy and diseased periodontal and peri-implant niches. Microbial Pathogenesis, 2016, 94, 90-103.	2.9	22
21	Molecular characterization of arginine deiminase pathway in <i>Laribacter hongkongensis</i> and unique regulation of arginine catabolism and anabolism by multiple environmental stresses. Environmental Microbiology, 2015, 17, 4469-4483.	3.8	22
22	Complete Genome Sequence of the Oral Spirochete Bacterium <i>Treponema putidum</i> Strain OMZ 758 (ATCC 700334). Genome Announcements, 2014, 2, .	0.8	6
23	Complete Genome Sequence for <i>Treponema</i> sp. OMZ 838 (ATCC 700772, DSM 16789), Isolated from a Necrotizing Ulcerative Gingivitis Lesion. Genome Announcements, 2014, 2, .	0.8	7
24	Arginine deiminase pathway is far more important than urease for acid resistance and intracellular survival in <i>Laribacter hongkongensis</i> : a possible result of arc gene cassette duplication. BMC Microbiology, 2014, 14, 42.	3.3	35
25	Subgingival microbiota of Sri Lankan tea labourers naïve to oral hygiene measures. Journal of Clinical Periodontology, 2014, 41, 433-441.	4.9	16
26	pZMO7-Derived shuttle vectors for heterologous protein expression and proteomic applications in the ethanol-producing bacterium <i>Zymomonas mobilis</i> . BMC Microbiology, 2014, 14, 68.	3.3	10
27	Multilocus sequence analysis of <i>Treponema denticola</i> strains of diverse origin. BMC Microbiology, 2013, 13, 24.	3.3	13
28	Comparative analysis of oral treponemes associated with periodontal health and disease. BMC Infectious Diseases, 2013, 13, 174.	2.9	32
29	Secretory products of <i>Escherichia coli</i> biofilm modulate <i>Candida albicans</i> biofilm formation and hyphal development. Journal of Investigative and Clinical Dentistry, 2013, 4, 186-199.	1.8	44
30	Structural basis for discriminatory recognition of <i>Plasmodium</i> lactate dehydrogenase by a DNA aptamer. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15967-15972.	7.1	109
31	Prevalence and diversity of <i>Synergistetes</i> taxa in periodontal health and disease. Journal of Periodontal Research, 2013, 48, 159-168.	2.7	37
32	<i>Pseudomonas aeruginosa</i> lipopolysaccharide inhibits <i>Candida albicans</i> hyphae formation and alters gene expression during biofilm development. Molecular Oral Microbiology, 2013, 28, 54-69.	2.7	52
33	Comparative immunological evaluation of recombinant <i>Salmonella</i> Typhimurium strains expressing model antigens as live oral vaccines. BMC Immunology, 2012, 13, 54.	2.2	9
34	The Two PPX-GppA Homologues from <i>Mycobacterium tuberculosis</i> Have Distinct Biochemical Activities. PLoS ONE, 2012, 7, e42561.	2.5	37
35	Two-dimensional gel electrophoresis in bacterial proteomics. Protein and Cell, 2012, 3, 346-363.	11.0	49
36	Aptamer-Mediated Inhibition of <i>Mycobacterium tuberculosis</i> Polyphosphate Kinase 2. Biochemistry, 2011, 50, 3261-3271.	2.5	78

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37	A method to generate recombinant <i>Salmonella typhi</i> Ty21a strains expressing multiple heterologous genes using an improved recombineering strategy. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 177-188.	3.6	11
38	Functional characterization of an alkaline exonuclease and single strand annealing protein from the SXT genetic element of <i>Vibrio cholerae</i> . <i>BMC Molecular Biology</i> , 2011, 12, 16.	3.0	15
39	Environmental adaptability and stress tolerance of <i>Laribacter hongkongensis</i> : a genome-wide analysis. <i>Cell and Bioscience</i> , 2011, 1, 22.	4.8	13
40	Structural and functional insight into the mechanism of an alkaline exonuclease from <i>Laribacter hongkongensis</i> . <i>Nucleic Acids Research</i> , 2011, 39, 9803-9819.	14.5	13
41	<i>Pseudomonas aeruginosa</i> inhibits in-vitro <i>Candida</i> biofilm development. <i>BMC Microbiology</i> , 2010, 10, 125.	3.3	89
42	Bacterial lipopolysaccharides variably modulate in vitro biofilm formation of <i>Candida</i> species. <i>Journal of Medical Microbiology</i> , 2010, 59, 1225-1234.	1.8	59
43	<i>Escherichia coli</i> and its lipopolysaccharide modulate in vitro <i>Candida</i> biofilm formation. <i>Journal of Medical Microbiology</i> , 2009, 58, 1623-1631.	1.8	67
44	Use of a Riboswitch-controlled Conditional Hypomorphic Mutation to Uncover a Role for the Essential <i>csrA</i> Gene in Bacterial Autoaggregation. <i>Journal of Biological Chemistry</i> , 2009, 284, 28738-28745.	3.4	23
45	Small noncoding RNA <i>GcvB</i> is a novel regulator of acid resistance in <i>Escherichia coli</i> . <i>BMC Genomics</i> , 2009, 10, 165.	2.8	73
46	Functional dissection of an IFN- γ receptor 1 promoter variant that confers higher risk to chronic hepatitis B virus infection. <i>Journal of Hepatology</i> , 2009, 51, 322-332.	3.7	28
47	Visualizing the proteome of <i>Escherichia coli</i> : an efficient and versatile method for labeling chromosomal coding DNA sequences (CDSs) with fluorescent protein genes. <i>Nucleic Acids Research</i> , 2007, 35, e37-e37.	14.5	15
48	Bismuth Complexes Inhibit the SARS Coronavirus. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6464-6468.	13.8	86
49	Bismuth Complexes Inhibit the SARS Coronavirus. <i>Angewandte Chemie</i> , 2007, 119, 6584-6588.	2.0	1
50	A proteomic approach for the identification of bismuth-binding proteins in <i>Helicobacter pylori</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 831-842.	2.6	93
51	Suicide inhibition of β -oxamine synthases: structures of the covalent adducts of 8-amino-7-oxononanoate synthase with trifluoroalanine. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1209.	2.8	35
52	Thermodynamic and Kinetic Aspects of Metal Binding to the Histidine-rich Protein, Hpn. <i>Journal of the American Chemical Society</i> , 2006, 128, 11330-11331.	13.7	78
53	Expression and characterization of a histidine-rich protein, Hpn: potential for Ni ²⁺ storage in <i>Helicobacter pylori</i> . <i>Biochemical Journal</i> , 2006, 393, 285-293.	3.7	107
54	The involvement of replication in single stranded oligonucleotide-mediated gene repair. <i>Nucleic Acids Research</i> , 2006, 34, 6183-6194.	14.5	49

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55	The Adamantane-Derived Bananins Are Potent Inhibitors of the Helicase Activities and Replication of SARS Coronavirus. <i>Chemistry and Biology</i> , 2005, 12, 303-311.	6.0	145
56	Increased efficiency of oligonucleotide-mediated gene repair through slowing replication fork progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2508-2513.	7.1	59
57	Targeted correction of a chromosomal point mutation by modified single-stranded oligonucleotides in a GFP recovery system. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 1032-1041.	2.1	17
58	Synthetic Peptides outside the Spike Protein Heptad Repeat Regions as Potent Inhibitors of Sars-Associated Coronavirus. <i>Antiviral Therapy</i> , 2005, 10, 393-403.	1.0	63
59	Identification of Novel Small-Molecule Inhibitors of Severe Acute Respiratory Syndrome-Associated Coronavirus by Chemical Genetics. <i>Chemistry and Biology</i> , 2004, 11, 1293-1299.	6.0	141
60	The mechanism of 7,8-diaminopelargonate synthase; the role of S-adenosylmethionine as the amino donor. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3498.	2.8	17
61	Identification of factors influencing strand bias in oligonucleotide-mediated recombination in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2003, 31, 6674-6687.	14.5	90
62	The Severe Acute Respiratory Syndrome (SARS) Coronavirus NTPase/Helicase Belongs to a Distinct Class of 5â€² to 3â€² Viral Helicases. <i>Journal of Biological Chemistry</i> , 2003, 278, 39578-39582.	3.4	183
63	Expression and mechanistic analysis of a germacradienol synthase from <i>Streptomyces coelicolor</i> implicated in geosmin biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1547-1551.	7.1	131
64	Mechanism of 8-Amino-7-oxononanoate Synthase:â€” Spectroscopic, Kinetic, and Crystallographic Studies. <i>Biochemistry</i> , 2000, 39, 516-528.	2.5	129
65	Characterisation of 8-amino-7-oxononanoate synthase: A bacterial PLP-dependent, acyl CoA condensing enzyme. <i>Biochemical Society Transactions</i> , 1998, 26, S268-S268.	3.4	8