Iain L Lamont

List of Publications by Year
in descending order

101	6,611	53751 45	69214 77
papers	citations	h-index	g-index

104	104	104	5834
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Siderophore-mediated signaling regulates virulence factor production in Pseudomonas aeruginosa. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7072-7077.	3.3	550
2	Pyoverdine siderophores: from biogenesis to biosignificance. Trends in Microbiology, 2007, 15, 22-30.	3.5	468
3	The Pseudomonas aeruginosa 4-Quinolone Signal Molecules HHQ and PQS Play Multifunctional Roles in Quorum Sensing and Iron Entrapment. Chemistry and Biology, 2007, 14, 87-96.	6.2	445
4	Iron transport and regulation, cell signalling and genomics: lessons from Escherichia coli and Pseudomonas. Molecular Microbiology, 2002, 45, 1177-1190.	1.2	255
5	Siderophoreâ€mediated cell signalling in Pseudomonas aeruginosa : divergent pathways regulate virulence factor production and siderophore receptor synthesis. Molecular Microbiology, 2003, 47, 195-207.	1.2	207
6	Characterization of an Endoprotease (PrpL) Encoded by a PvdS-Regulated Gene in Pseudomonas aeruginosa. Infection and Immunity, 2001, 69, 5385-5394.	1.0	174
7	Cloning and characterization of pvdS, a gene required for pyoverdine synthesis in Pseudomonas aeruginosa: PvdS is probably an alternative sigma factor. Journal of Bacteriology, 1995, 177, 2744-2750.	1.0	167
8	Biochemistry Changes That Occur after Death: Potential Markers for Determining Post-Mortem Interval. PLoS ONE, 2013, 8, e82011.	1.1	157
9	Adaptation of Iron Homeostasis Pathways by a Pseudomonas aeruginosa Pyoverdine Mutant in the Cystic Fibrosis Lung. Journal of Bacteriology, 2014, 196, 2265-2276.	1.0	145
10	Clinical utilization of genomics data produced by the international Pseudomonas aeruginosa consortium. Frontiers in Microbiology, 2015, 6, 1036.	1.5	144
11	Pseudomonas syringae pv. actinidiae from Recent Outbreaks of Kiwifruit Bacterial Canker Belong to Different Clones That Originated in China. PLoS ONE, 2013, 8, e57464.	1.1	143
12	Exotoxin A production in Pseudomonas aeruginosa requires the ironâ€regulated pvdS gene encoding an alternative sigma factor. Molecular Microbiology, 1996, 21, 1019-1028.	1.2	141
13	Identification and characterization of novel pyoverdine synthesis genes in Pseudomonas aeruginosa. Microbiology (United Kingdom), 2003, 149, 833-842.	0.7	140
14	Cell-surface signaling inPseudomonas: stress responses, iron transport, and pathogenicity. FEMS Microbiology Reviews, 2014, 38, 569-597.	3.9	137
15	Mechanisms of ciprofloxacin resistance in Pseudomonas aeruginosa: new approaches to an old problem. Journal of Medical Microbiology, 2019, 68, 1-10.	0.7	137
16	Excision and transfer of theMesorhizobium lotiR7A symbiosis island requires an integrase IntS, a novel recombination directionality factor RdfS, and a putative relaxase RlxS. Molecular Microbiology, 2006, 62, 723-734.	1.2	119
17	Pseudomonas aeruginosa Uses Multiple Pathways To Acquire Iron during Chronic Infection in Cystic Fibrosis Lungs. Infection and Immunity, 2013, 81, 2697-2704.	1.0	116
18	Candida albicans Inhibits Pseudomonas aeruginosa Virulence through Suppression of Pyochelin and Pyoverdine Biosynthesis. PLoS Pathogens, 2015, 11, e1005129.	2.1	111

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19	Nucleoside Analogues as Antibacterial Agents. Frontiers in Microbiology, 2019, 10, 952.	1.5	107
20	A second gene for a secreted aspartate proteinase in Candida albicans. Journal of Bacteriology, 1992, 174, 7848-7853.	1.0	92
21	Pseudomonas siderophores in the sputum of patients with cystic fibrosis. BioMetals, 2011, 24, 1059-1067.	1.8	87
22	Analysis of Promoters Recognized by PvdS, an Extracytoplasmic-Function Sigma Factor Protein from Pseudomonas aeruginosa. Journal of Bacteriology, 2001, 183, 2151-2155.	1.0	83
23	Synthesis of the siderophore pyoverdine in Pseudomonas aeruginosa involves a periplasmic maturation. Amino Acids, 2010, 38, 1447-1459.	1.2	78
24	Pseudomonas aeruginosaadaptation and diversification in the non-cystic fibrosis bronchiectasis lung. European Respiratory Journal, 2017, 49, 1602108.	3.1	75
25	Characterisation of the pvdE gene which is required for pyoverdine synthesis in Pseudomonas aeruginosa. Gene, 1996, 176, 55-59.	1.0	71
26	Involvement of a transformylase enzyme in siderophore synthesis in Pseudomonas aeruginosa The GenBank accession number for the sequence reported in this paper is U07359.. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	70
27	Siderophore-Mediated Covalent Bonding to Metal (Oxide) Surfaces during Biofilm Initiation byPseudomonasaeruginosaBacteria. Langmuir, 2003, 19, 3575-3577.	1.6	69
28	Iron acquisition by Pseudomonas aeruginosa in the lungs of patients with cystic fibrosis. BioMetals, 2009, 22, 53-60.	1.8	67
29	Targeting iron uptake to controlPseudomonas aeruginosainfections in cystic fibrosis. European Respiratory Journal, 2013, 42, 1723-1736.	3.1	67
30	Biosynthesis of Novel Pyoverdines by Domain Substitution in a Nonribosomal Peptide Synthetase of Pseudomonas aeruginosa. Applied and Environmental Microbiology, 2014, 80, 5723-5731.	1.4	62
31	Construction and use of a self-cloning promoter probe vector for Gram-negative bacteria. Gene, 1993, 126, 17-23.	1.0	60
32	Crystal Structures of Escherichia coli Uridine Phosphorylase in Two Native and Three Complexed Forms Reveal Basis of Substrate Specificity, Induced Conformational Changes and Influence of Potassium. Journal of Molecular Biology, 2004, 337, 337-354.	2.0	59
33	An efflux pump is involved in secretion of newly synthesized siderophore by Pseudomonas aeruginosa. FEBS Letters, 2010, 584, 4751-4755.	1.3	59
34	UV induction of coliphage 186: prophage induction as an SOS function.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 5492-5496.	3.3	57
35	A LuxRIâ€family regulatory system controls excision and transfer of the Mesorhizobium loti strain R7A symbiosis island by activating expression of two conserved hypothetical genes. Molecular Microbiology, 2009, 73, 1141-1155.	1.2	57
36	Substrate Specificity of the Nonribosomal Peptide Synthetase PvdD from Pseudomonas aeruginosa. Journal of Bacteriology, 2003, 185, 2848-2855.	1.0	56

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37	Identification of a DNA sequence motif required for expression of iron-regulated genes in pseudomonads. Molecular Genetics and Genomics, 1995, 246, 519-528.	2.4	55
38	Infrared Spectroscopic Studies of Siderophore-Related Hydroxamic Acid Ligands Adsorbed on Titanium Dioxide. Langmuir, 2006, 22, 10109-10117.	1.6	55
39	Estimation of post-mortem interval using biochemical markers. Australian Journal of Forensic Sciences, 2014, 46, 8-26.	0.7	54
40	Phenotypic and molecular characterization of community occurring, Western Samoan phage pattern methicillin-resistant Staphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2002, 50, 825-831.	1.3	52
41	Different roles for antiâ€sigma factors in siderophore signalling pathways of Pseudomonas aeruginosa. Molecular Microbiology, 2009, 74, 1257-1271.	1.2	52
42	Characterization of an ECF Sigma Factor Protein from Pseudomonas aeruginosa. Biochemical and Biophysical Research Communications, 2000, 273, 578-583.	1.0	51
43	An efflux pump is required for siderophore recycling by Pseudomonas aeruginosa. Environmental Microbiology Reports, 2010, 2, 412-418.	1.0	51
44	Differential proteolysis of sigma regulators controls cellâ€surface signalling in Pseudomonas aeruginosa. Molecular Microbiology, 2011, 82, 1444-1453.	1.2	50
45	Î²-lactam Resistance in Pseudomonas aeruginosa: Current Status, Future Prospects. Pathogens, 2021, 10, 1638.	1.2	50
46	Adsorption to Metal Oxides of thePseudomonasaeruginosaSiderophore Pyoverdine and Implications for Bacterial Biofilm Formation on Metals. Langmuir, 2007, 23, 7189-7195.	1.6	49
47	The Cysteine Dioxygenase Homologue from Pseudomonas aeruginosa Is a 3-Mercaptopropionate Dioxygenase. Journal of Biological Chemistry, 2015, 290, 24424-24437.	1.6	47
48	Role of lung iron in determining the bacterial and host struggle in cystic fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L795-L802.	1.3	45
49	Role of TonB1 in Pyoverdine-Mediated Signaling in Pseudomonas aeruginosa. Journal of Bacteriology, 2009, 191, 5634-5640.	1.0	45
50	Immunoproteomics To Examine Cystic Fibrosis Host Interactions with Extracellular Pseudomonas aeruginosa Proteins. Infection and Immunity, 2008, 76, 4624-4632.	1.0	39
51	Metabolomics of post-mortem blood: identifying potential markers of post-mortem interval. Metabolomics, 2015, 11, 237-245.	1.4	37
52	Growth inhibition of the salmon pathogen Vibrio ordalii by a siderophore produced by Vibrio anguillarum strain VL4355. Journal of Fish Diseases, 1994, 17, 311-324.	0.9	36
53	Characterization and Genetic Manipulation of Peptide Synthetases in Pseudomonas aeruginosa PAO1 in Order to Generate Novel Pyoverdines. Chemistry and Biology, 2004, 11, 971-980.	6.2	34
54	Mutational Analysis of a Bifunctional Ferrisiderophore Receptor and Signal-Transducing Protein from Pseudomonas aeruginosa. Journal of Bacteriology, 2005, 187, 4514-4520.	1.0	33

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55	Acquisition of Iron by Alkaliphilic Bacillus Species. Applied and Environmental Microbiology, 2010, 76, 6955-6961.	1.4	33
56	A Large-Scale Whole-Genome Comparison Shows that Experimental Evolution in Response to Antibiotics Predicts Changes in Naturally Evolved Clinical Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	31
57	Efficient zinc uptake is critical for the ability of Pseudomonas aeruginosa to express virulence traits and colonize the human lung. Journal of Trace Elements in Medicine and Biology, 2018, 48, 74-80.	1.5	30
58	Genes for the establishment and maintenance of lysogeny by the temperate coliphage 186. Journal of Bacteriology, 1993, 175, 5286-5288.	1.0	29
59	Structureâ€“function relationships in the bifunctional ferrisiderophore FpvA receptor from Pseudomonas aeruginosa. BioMetals, 2009, 22, 671-678.	1.8	29
60	DNA homology between siderophore genes from fluorescent pseudomonads. Journal of General Microbiology, 1992, 138, 181-187.	2.3	27
61	Mutational Analysis of an Extracytoplasmic-Function Sigma Factor To Investigate Its Interactions with RNA Polymerase and DNA. Journal of Bacteriology, 2006, 188, 1935-1942.	1.0	27
62	Adsorption of Enterobactin to Metal Oxides and the Role of Siderophores in Bacterial Adhesion to Metals. Langmuir, 2011, 27, 10587-10596.	1.6	27
63	A SEARCH FOR CHLAMYDIA TRACHOMATIS IN SYNOVIAL FLUIDS FROM PATIENTS WITH REACTIVE ARTHRITIS USING THE POLYMERASE CHAIN REACTION AND ANTIGEN DETECTION METHODS. Rheumatology, 1992, 31, 31-34.	0.9	25
64	Characterization of a Gene Encoding an Acetylase Required for Pyoverdine Synthesis in Pseudomonas aeruginosa. Journal of Bacteriology, 2006, 188, 3149-3152.	1.0	25
65	Defining the SOS Operon of Coliphage 186. Virology, 1996, 219, 105-114.	1.1	23
66	Using oral microbial DNA analysis to identify expirated bloodspatter. International Journal of Legal Medicine, 2010, 124, 569-576.	1.2	21
67	Molecular analysis of changes in Pseudomonas aeruginosa load during treatment of a pulmonary exacerbation in cystic fibrosis. Journal of Cystic Fibrosis, 2013, 12, 688-699.	0.3	21
68	Expression of Pseudomonas aeruginosa Antibiotic Resistance Genes Varies Greatly during Infections in Cystic Fibrosis Patients. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	21
69	Role of Cell Surface Signaling in Proteolysis of an Alternative Sigma Factor in Pseudomonas aeruginosa. Journal of Bacteriology, 2008, 190, 4865-4869.	1.0	20
70	Interactions between an anti-sigma protein and two sigma factors that regulate the pyoverdine signaling pathway in Pseudomonas aeruginosa. BMC Microbiology, 2014, 14, 287.	1.3	20
71	The effect of alginate lyase on the gentamicin resistance of Pseudomonas aeruginosa in mucoid biofilms. Journal of Applied Microbiology, 2016, 121, 126-135.	1.4	20
72	Activation of a Cell Surface Signaling Pathway in Pseudomonas aeruginosa Requires ClpP Protease and New Sigma Factor Synthesis. Frontiers in Microbiology, 2017, 8, 2442.	1.5	19

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73	Discovery and Characterization of a Distinctive Exo-1,3/1,4-Î²-Glucanase from the Marine Bacterium Pseudoalteromonas sp. Strain BB1. Applied and Environmental Microbiology, 2010, 76, 6760-6768.	1.4	18
74	Sequences and expression of pyruvate dehydrogenase genes from Pseudomonas aeruginosa. Journal of Bacteriology, 1997, 179, 3561-3571.	1.0	17
75	Whole genome sequencing reveals the emergence of a Pseudomonas aeruginosa shared strain sub-lineage among patients treated within a single cystic fibrosis centre. BMC Genomics, 2018, 19, 644.	1.2	16
76	Gene-Gene Interactions Dictate Ciprofloxacin Resistance in Pseudomonas aeruginosa and Facilitate Prediction of Resistance Phenotype from Genome Sequence Data. Antimicrobial Agents and Chemotherapy, 2021, 65, e0269620.	1.4	16
77	Genomic and phenotypic comparison of environmental and patient-derived isolates of Pseudomonas aeruginosa suggest that antimicrobial resistance is rare within the environment. Journal of Medical Microbiology, 2019, 68, 1591-1595.	0.7	16
78	Contrasting roles of fungal siderophores in maintaining iron homeostasis in EpichloÃ« festucae. Fungal Genetics and Biology, 2018, 111, 60-72.	0.9	15
79	The Iron-chelator, N,Nâ€™-bis (2-hydroxybenzyl) Ethylenediamine-N,Nâ€™-diacetic acid is an Effective Colistin Adjunct against Clinical Strains of Biofilm-Dwelling Pseudomonas aeruginosa. Antibiotics, 2020, 9, 144.	1.5	14
80	Genome evolution drives transcriptomic and phenotypic adaptation in Pseudomonas aeruginosa during 20 years of infection. Microbial Genomics, 2021, 7, .	1.0	14
81	Iron chelation directed against biofilms as an adjunct to conventional antibiotics. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L857-L858.	1.3	13
82	Integrated activities of two alternative sigma factors coordinate iron acquisition and uptake by Pseudomonas aeruginosa. Molecular Microbiology, 2017, 106, 891-904.	1.2	13
83	Transmission, adaptation and geographical spread of the Pseudomonas aeruginosa Liverpool epidemic strain. Microbial Genomics, 2021, 7, .	1.0	12
84	One Health Aotearoa: a transdisciplinary initiative to improve human, animal and environmental health in New Zealand. One Health Outlook, 2020, 2, 4.	1.4	11
85	Characterising the dynamics of expirated bloodstain pattern formation using high-speed digital video imaging. International Journal of Legal Medicine, 2011, 125, 757-762.	1.2	10
86	Simple and Inexpensive but Highly Discriminating Method for Computer-Assisted DNA Fingerprinting of Pseudomonas aeruginosa. Journal of Clinical Microbiology, 2000, 38, 4445-4452.	1.8	10
87	Control of gene expression in the P2-related temperate coliphages. Journal of Molecular Biology, 1988, 199, 379-382.	2.0	9
88	Chelated iron as an anti-Pseudomonas aeruginosabiofilm therapeutic strategy. Journal of Applied Microbiology, 2009, 106, 1058-1058.	1.4	9
89	Cell envelope proteases and peptidases of Pseudomonas aeruginosa: multiple roles, multiple mechanisms. FEMS Microbiology Reviews, 2020, 44, 857-873.	3.9	9
90	Aminoglycoside resistance in Pseudomonas aeruginosa: the contribution of the MexXY-OprM efflux pump varies between isolates. Journal of Medical Microbiology, 2022, 71, .	0.7	9

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91	Ferrichrome utilization in a mesorhizobial population: microevolution of a threeâ€locus system. Environmental Microbiology, 2007, 9, 2923-2932.	1.8	8
92	Cystic fibrosis: ironing out the problem of infection?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L23-L24.	1.3	8
93	The Effects of Sub-inhibitory Antibiotic Concentrations on Pseudomonas aeruginosa: Reduced Susceptibility Due to Mutations. Frontiers in Microbiology, 2021, 12, 789550.	1.5	8
94	Accurate assessment of systemic iron status in cystic fibrosis will avoid the hazards of inappropriate iron supplementation. Journal of Cystic Fibrosis, 2013, 12, 303-304.	0.3	7
95	The Pseudomonas aeruginosa whole genome sequence: A 20th anniversary celebration. Advances in Microbial Physiology, 2021, 79, 25-88.	1.0	7
96	Aminoglycoside-Modifying Enzymes Are Sufficient to Make Pseudomonas aeruginosa Clinically Resistant to Key Antibiotics. Antibiotics, 2022, 11, 884.	1.5	7
97	The Role of SreA-Mediated Iron Regulation in MaintainingEpichloÃ« festucaeâ€“Lolium perenneSymbioses. Molecular Plant-Microbe Interactions, 2019, 32, 1324-1335.	1.4	6
98	Pyoverdine Synthesis and its Regulation in Fluorescent Pseudomonads. , 2007, , 135-163.		6
99	Role of Tris-CaEDTA as an adjuvant with nebulised tobramycin in cystic fibrosis patients with Pseudomonas aeruginosa lung infections: A randomised controlled trial. Journal of Cystic Fibrosis, 2021, 20, 316-323.	0.3	4
100	Identification of Active Site Residues of the Siderophore Synthesis Enzyme PvdF and Evidence for Interaction of PvdF with a Substrate-Providing Enzyme. International Journal of Molecular Sciences, 2021, 22, 2211.	1.8	3
101	The purification of the ÏƒFpvI/FpvR20 and ÏƒPvdS/FpvR20 protein complexes is facilitated at room temperature. Protein Expression and Purification, 2019, 160, 11-18.	0.6	1