

Jeremy S Webb

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

6,313
citations

35
h-index

79
g-index

79
ext. papers

7,168
ext. citations

5.1
avg, IF

5.43
L-index

#	Paper	IF	Citations
74	Economic significance of biofilms: a multidisciplinary and cross-sectoral challenge. <i>Npj Biofilms and Microbiomes</i> , 2022 , 8,	8.2	10
73	Phylogenetic Analysis with Prediction of Cofactor or Ligand Binding for <i>Pseudomonas aeruginosa</i> PAS and Cache Domains.. <i>Microbiology Spectrum</i> , 2021 , 9, e0102621	8.9	0
72	An integrated model system to gain mechanistic insights into biofilm-associated antimicrobial resistance in <i>Pseudomonas aeruginosa</i> MPAO1. <i>Npj Biofilms and Microbiomes</i> , 2020 , 6, 46	8.2	11
71	An improved bind-n-seq strategy to determine protein-DNA interactions validated using the bacterial transcriptional regulator YipR. <i>BMC Microbiology</i> , 2020 , 20, 1	4.5	46
70	Discovery of Cephalosporin-3VDiazoniumdiolates That Show Dual Antibacterial and Antibiofilm Effects against Clinical Cystic Fibrosis Isolates and Efficacy in a Murine Respiratory Infection Model. <i>ACS Infectious Diseases</i> , 2020 , 6, 1460-1479	5.5	6
69	Structure and Regulation of EAL Domain Proteins 2020 , 27-48		
68	Cephalosporin nitric oxide-donor prodrug DEA-C3D disperses biofilms formed by clinical cystic fibrosis isolates of <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 117-125	5.1	20
67	Minimum information guideline for spectrophotometric and fluorometric methods to assess biofilm formation in microplates. <i>Biofilm</i> , 2020 , 2, 100010	5.9	31
66	Optimization of nitric oxide donors for investigating biofilm dispersal response in <i>Pseudomonas aeruginosa</i> clinical isolates. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 8859-8869	5.7	16
65	Evaluation of a Bioengineered Honey and Its Synthetic Equivalent as Novel Biofilm-Targeted Topical Therapies in Chronic Rhinosinusitis. <i>American Journal of Rhinology and Allergy</i> , 2020 , 34, 80-86	2.4	4
64	Ultrasound-mediated therapies for the treatment of biofilms in chronic wounds: a review of present knowledge. <i>Microbial Biotechnology</i> , 2020 , 13, 613-628	6.3	34
63	Differential impact on motility and biofilm dispersal of closely related phosphodiesterases in <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2020 , 10, 6232	4.9	12
62	Pulsed vibro-acoustic method for assessment of osteoporosis & osteopenia: A feasibility study on human subjects. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 97, 187-197	4.1	3
61	Acoustoelasticity Analysis of Transient Waves for Non-Invasive In Vivo Assessment of Urinary Bladder. <i>Scientific Reports</i> , 2019 , 9, 2441	4.9	4
60	Microbial epidemiology and carriage studies for the evaluation of vaccines. <i>Journal of Medical Microbiology</i> , 2019 , 68, 1408-1418	3.2	3
59	A novel application of Gini coefficient for the quantitative measurement of bacterial aggregation. <i>Scientific Reports</i> , 2019 , 9, 19002	4.9	4
58	Diagnosis and treatment of biofilm infections in children. <i>Current Opinion in Infectious Diseases</i> , 2019 , 32, 505-509	5.4	1

57	Rhizosphere Bacterial Communities Differ According to Fertilizer Regimes and Cabbage (var. L.) Harvest Time, but Not Aphid Herbivory. <i>Frontiers in Microbiology</i> , 2018 , 9, 1620	5.7	19
56	Cephalosporin-3VDiazoniumdiolate NO Donor Prodrug PYRRO-C3D Enhances Azithromycin Susceptibility of Nontypeable Haemophilus influenzae Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	14
55	Cephalosporin-NO-donor prodrug PYRRO-C3D shows β -lactam-mediated activity against Streptococcus pneumoniae biofilms. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 65, 43-49	5	14
54	Current and future therapies for Pseudomonas aeruginosa infection in patients with cystic fibrosis. <i>FEMS Microbiology Letters</i> , 2017 , 364,	2.9	60
53	Prevention of Propionibacterium acnes biofilm formation in prosthetic infections in vitro. <i>Journal of Shoulder and Elbow Surgery</i> , 2017 , 26, 553-563	4.3	10
52	Correlation of ultrasound bladder vibrometry assessment of bladder compliance with urodynamic study results. <i>PLoS ONE</i> , 2017 , 12, e0179598	3.7	20
51	Low-Dose Nitric Oxide as Targeted Anti-biofilm Adjunctive Therapy to Treat Chronic Pseudomonas aeruginosa Infection in Cystic Fibrosis. <i>Molecular Therapy</i> , 2017 , 25, 2104-2116	11.7	106
50	Dimerisation induced formation of the active site and the identification of three metal sites in EAL-phosphodiesterases. <i>Scientific Reports</i> , 2017 , 7, 42166	4.9	14
49	Comparative Genomics of Carriage and Disease Isolates of Streptococcus pneumoniae Serotype 22F Reveals Lineage-Specific Divergence and Niche Adaptation. <i>Genome Biology and Evolution</i> , 2016 , 8, 1243-51	3.9	5
48	Low Concentrations of Nitric Oxide Modulate Streptococcus pneumoniae Biofilm Metabolism and Antibiotic Tolerance. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 2456-66	5.9	20
47	Parallel Evolution in Streptococcus pneumoniae Biofilms. <i>Genome Biology and Evolution</i> , 2016 , 8, 1316-26.9	3.9	6
46	Pseudomonas aeruginosa infection in cystic fibrosis: pathophysiological mechanisms and therapeutic approaches. <i>Expert Review of Respiratory Medicine</i> , 2016 , 10, 685-97	3.8	74
45	Intracellular residency of Staphylococcus aureus within mast cells in nasal polyps: A novel observation. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 135, 1648-51	11.5	28
44	Removal of Dental Biofilms with an Ultrasonically Activated Water Stream. <i>Journal of Dental Research</i> , 2015 , 94, 1303-9	8.1	32
43	Strain-specific parallel evolution drives short-term diversification during Pseudomonas aeruginosa biofilm formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E1419-27	11.5	61
42	Pronounced metabolic changes in adaptation to biofilm growth by Streptococcus pneumoniae. <i>PLoS ONE</i> , 2014 , 9, e107015	3.7	33
41	Can Simpson's paradox explain co-operation in Pseudomonas aeruginosa biofilms?. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 226-35		16
40	Dynamic modelling of cell death during biofilm development. <i>Journal of Theoretical Biology</i> , 2012 , 295, 23-36	2.3	42

39	Biofilm dispersal cells of a cystic fibrosis <i>Pseudomonas aeruginosa</i> isolate exhibit variability in functional traits likely to contribute to persistent infection. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 66, 251-64		23
38	Cephalosporin-3?-diazoniumdiolates: Targeted NO-Donor Prodrugs for Dispersing Bacterial Biofilms. <i>Angewandte Chemie</i> , 2012 , 124, 9191-9194	3.6	9
37	Cephalosporin-3Vdiazoniumdiolates: targeted NO-donor prodrugs for dispersing bacterial biofilms. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9057-60	16.4	116
36	Risk of red queen dynamics in pneumococcal vaccine strategy. <i>Trends in Microbiology</i> , 2011 , 19, 377-81	12.4	23
35	Down-regulation of DNA mismatch repair enhances initiation and growth of neuroblastoma and brain tumour multicellular spheroids. <i>PLoS ONE</i> , 2011 , 6, e28123	3.7	6
34	Ability of <i>Pseudoalteromonas tunicata</i> to colonize natural biofilms and its effect on microbial community structure. <i>FEMS Microbiology Ecology</i> , 2010 , 73, 450-7	4.3	17
33	<i>Pseudomonas aeruginosa</i> PAO1 preferentially grows as aggregates in liquid batch cultures and disperses upon starvation. <i>PLoS ONE</i> , 2009 , 4, e5513	3.7	135
32	Role of mutation in <i>Pseudomonas aeruginosa</i> biofilm development. <i>PLoS ONE</i> , 2009 , 4, e6289	3.7	88
31	Nitric oxide signaling in <i>Pseudomonas aeruginosa</i> biofilms mediates phosphodiesterase activity, decreased cyclic di-GMP levels, and enhanced dispersal. <i>Journal of Bacteriology</i> , 2009 , 191, 7333-42	3.5	364
30	Nitric oxide-mediated dispersal in single- and multi-species biofilms of clinically and industrially relevant microorganisms. <i>Microbial Biotechnology</i> , 2009 , 2, 370-8	6.3	200
29	The biofilm life cycle and virulence of <i>Pseudomonas aeruginosa</i> are dependent on a filamentous prophage. <i>ISME Journal</i> , 2009 , 3, 271-82	11.9	216
28	Gene expression characteristics of a cystic fibrosis epidemic strain of <i>Pseudomonas aeruginosa</i> during biofilm and planktonic growth. <i>FEMS Microbiology Letters</i> , 2009 , 292, 107-14	2.9	37
27	Hydrogen peroxide linked to lysine oxidase activity facilitates biofilm differentiation and dispersal in several gram-negative bacteria. <i>Journal of Bacteriology</i> , 2008 , 190, 5493-501	3.5	105
26	Transcriptome analyses and biofilm-forming characteristics of a clonal <i>Pseudomonas aeruginosa</i> from the cystic fibrosis lung. <i>Journal of Medical Microbiology</i> , 2008 , 57, 1454-1465	3.2	43
25	Proteomic, microarray, and signature-tagged mutagenesis analyses of anaerobic <i>Pseudomonas aeruginosa</i> at pH 6.5, likely representing chronic, late-stage cystic fibrosis airway conditions. <i>Journal of Bacteriology</i> , 2008 , 190, 2739-58	3.5	79
24	Marine biofilm bacteria evade eukaryotic predation by targeted chemical defense. <i>PLoS ONE</i> , 2008 , 3, e2744	3.7	149
23	Low densities of epiphytic bacteria from the marine alga <i>Ulva australis</i> inhibit settlement of fouling organisms. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 7844-52	4.8	117
22	Biofilm differentiation and dispersal in mucoid <i>Pseudomonas aeruginosa</i> isolates from patients with cystic fibrosis. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 3264-3274	2.9	85

21	A mannose-sensitive haemagglutinin (MSHA)-like pilus promotes attachment of <i>Pseudoalteromonas tunicata</i> cells to the surface of the green alga <i>Ulva australis</i> . <i>Microbiology (United Kingdom)</i> , 2006 , 152, 2875-2883	2.9	27
20	Enhanced benzaldehyde tolerance in <i>Zymomonas mobilis</i> biofilms and the potential of biofilm applications in fine-chemical production. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 1639-44	4.8	77
19	Ecological advantages of autolysis during the development and dispersal of <i>Pseudoalteromonas tunicata</i> biofilms. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 5414-20	4.8	69
18	Microbial colonization and competition on the marine alga <i>Ulva australis</i> . <i>Applied and Environmental Microbiology</i> , 2006 , 72, 5547-55	4.8	88
17	Enhanced biofilm formation and increased resistance to antimicrobial agents and bacterial invasion are caused by synergistic interactions in multispecies biofilms. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 3916-23	4.8	470
16	Involvement of nitric oxide in biofilm dispersal of <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2006 , 188, 7344-53	3.5	576
15	A characterization of DNA release in <i>Pseudomonas aeruginosa</i> cultures and biofilms. <i>Molecular Microbiology</i> , 2006 , 59, 1114-28	4.1	719
14	Competitive interactions in mixed-species biofilms containing the marine bacterium <i>Pseudoalteromonas tunicata</i> . <i>Applied and Environmental Microbiology</i> , 2005 , 71, 1729-36	4.8	208
13	Expression of the <i>psl</i> operon in <i>Pseudomonas aeruginosa</i> PAO1 biofilms: PslA performs an essential function in biofilm formation. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 4407-13	4.8	67
12	The role of polyhydroxyalkanoate biosynthesis by <i>Pseudomonas aeruginosa</i> in rhamnolipid and alginate production as well as stress tolerance and biofilm formation. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 3405-13	2.9	122
11	Bacteriophage and phenotypic variation in <i>Pseudomonas aeruginosa</i> biofilm development. <i>Journal of Bacteriology</i> , 2004 , 186, 8066-73	3.5	205
10	Biofilm development and cell death in the marine bacterium <i>Pseudoalteromonas tunicata</i> . <i>Applied and Environmental Microbiology</i> , 2004 , 70, 3232-8	4.8	110
9	The alternative sigma factor RpoN regulates the quorum sensing gene <i>rhII</i> in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2003 , 220, 187-95	2.9	69
8	Bacterial biofilms: prokaryotic adventures in multicellularity. <i>Current Opinion in Microbiology</i> , 2003 , 6, 578-85	7.9	219
7	Cell death in <i>Pseudomonas aeruginosa</i> biofilm development. <i>Journal of Bacteriology</i> , 2003 , 185, 4585-92	3.5	457
6	Green fluorescent protein as a novel indicator of antimicrobial susceptibility in <i>Aureobasidium pullulans</i> . <i>Applied and Environmental Microbiology</i> , 2001 , 67, 5614-20	4.8	33
5	Fungal colonization and biodeterioration of plasticized polyvinyl chloride. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 3194-200	4.8	125
4	Plasticizers increase adhesion of the detriogenic fungus <i>Aureobasidium pullulans</i> to polyvinyl chloride. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 3575-81	4.8	61

3	Influence of surfaces on sulphidogenic bacteria. <i>Biofouling</i> , 1996 , 10, 95-109	3-3	7
2	Pseudomonas aeruginosa: A Model for Biofilm Formation 215-253		8
1	An integrated model system to gain mechanistic insights into biofilm formation and antimicrobial resistance development in <i>Pseudomonas aeruginosa</i> MPAO1		3