

Matthew R Parsek

List of Publications by Year in descending order

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136
papers

29,402
citations

9756

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125
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177
all docs

177
docs citations

177
times ranked

21423
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic and Functional Dissections of <i>Dickeya zeae</i> Shed Light on the Role of Type III Secretion System and Cell Wall-Degrading Enzymes to Host Range and Virulence. <i>Microbiology Spectrum</i> , 2022, 10, e0159021.	1.2	8
2	The <i>Pseudomonas aeruginosa</i> homeostasis enzyme AlgL clears the periplasmic space of accumulated alginate during polymer biosynthesis. <i>Journal of Biological Chemistry</i> , 2022, 298, 101560.	1.6	8
3	Interbacterial Antagonism Mediated by a Released Polysaccharide. <i>Journal of Bacteriology</i> , 2022, 204, e0007622.	1.0	3
4	Mucoid <i>Pseudomonas aeruginosa</i> Can Produce Calcium-Gelled Biofilms Independent of the Matrix Components Psl and CdrA. <i>Journal of Bacteriology</i> , 2022, 204, e0056821.	1.0	18
5	The Wsp system of <i>Pseudomonas aeruginosa</i> links surface sensing and cell envelope stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117633119.	3.3	33
6	The Pel polysaccharide is predominantly composed of a dimeric repeat of α -1,4 linked galactosamine and N-acetylgalactosamine. <i>Communications Biology</i> , 2022, 5, .	2.0	20
7	Bacterial Adaptation in Structured Environments: Lessons from Darwin's Finches. <i>Trends in Microbiology</i> , 2021, 29, 5-7.	3.5	1
8	Analysis of <i>Pseudomonas aeruginosa</i> c-di-GMP High and Low Subpopulations Using Flow-assisted Cell Sorting (FACS) and Quantitative Reverse Transcriptase PCR (qRT-PCR). <i>Bio-protocol</i> , 2021, 11, e3891.	0.2	0
9	<i>Pseudomonas aeruginosa</i> aggregates in cystic fibrosis sputum produce exopolysaccharides that likely impede current therapies. <i>Cell Reports</i> , 2021, 34, 108782.	2.9	92
10	Bacterial cyclic diguanylate signaling networks sense temperature. <i>Nature Communications</i> , 2021, 12, 1986.	5.8	35
11	L-Arabinose Transport and Metabolism in <i>Salmonella</i> Influences Biofilm Formation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 698146.	1.8	11
12	The role of Psl in the failure to eradicate <i>Pseudomonas aeruginosa</i> biofilms in children with cystic fibrosis. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 63.	2.9	18
13	Mannose Conjugated Polymer Targeting <i>P. Aeruginosa</i> Biofilms. <i>ACS Infectious Diseases</i> , 2020, 6, 2866-2871.	1.8	9
14	The Versatile <i>Pseudomonas aeruginosa</i> Biofilm Matrix Protein CdrA Promotes Aggregation through Different Extracellular Exopolysaccharide Interactions. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	53
15	Systematic Analysis of c-di-GMP Signaling Mechanisms and Biological Functions in <i>Dickeya zeae</i> EC1. <i>MBio</i> , 2020, 11, .	1.8	18
16	Elevated exopolysaccharide levels in <i>Pseudomonas aeruginosa</i> flagellar mutants have implications for biofilm growth and chronic infections. <i>PLoS Genetics</i> , 2020, 16, e1008848.	1.5	52
17	PelX is a UDP-N-acetylglucosamine C4-epimerase involved in Pel polysaccharide-dependent biofilm formation. <i>Journal of Biological Chemistry</i> , 2020, 295, 11949-11962.	1.6	10
18	Social Cooperativity of Bacteria during Reversible Surface Attachment in Young Biofilms: a Quantitative Comparison of <i>Pseudomonas aeruginosa</i> PA14 and PAO1. <i>MBio</i> , 2020, 11, .	1.8	47

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19	Pel Polysaccharide Biosynthesis Requires an Inner Membrane Complex Comprised of PelD, PelE, PelF, and PelG. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	29
20	Blue laser light inhibits biofilm formation in vitro and in vivo by inducing oxidative stress. <i>Npj Biofilms and Microbiomes</i> , 2019, 5, 29.	2.9	40
21	The <i>Pseudomonas aeruginosa</i> lectin LecB binds to the exopolysaccharide Psl and stabilizes the biofilm matrix. <i>Nature Communications</i> , 2019, 10, 2183.	5.8	112
22	Treatment with the <i>Pseudomonas aeruginosa</i> Glycoside Hydrolase PslG Combats Wound Infection by Improving Antibiotic Efficacy and Host Innate Immune Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	61
23	Confocal Laser Scanning Microscopy for Analysis of <i>Pseudomonas aeruginosa</i> Biofilm Architecture and Matrix Localization. <i>Frontiers in Microbiology</i> , 2019, 10, 677.	1.5	81
24	Cerebrospinal Fluid Shunt Infection: Emerging Paradigms in Pathogenesis that Affect Prevention and Treatment. <i>Journal of Pediatrics</i> , 2019, 206, 13-19.	0.9	18
25	Heterogeneity in surface sensing suggests a division of labor in <i>Pseudomonas aeruginosa</i> populations. <i>ELife</i> , 2019, 8, .	2.8	96
26	Mixed Communities of Mucoïd and Nonmucoïd <i>Pseudomonas aeruginosa</i> Exhibit Enhanced Resistance to Host Antimicrobials. <i>MBio</i> , 2018, 9, .	1.8	59
27	New insight into the early stages of biofilm formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4317-4319.	3.3	112
28	A Biofilm Matrix-Associated Protease Inhibitor Protects <i>Pseudomonas aeruginosa</i> from Proteolytic Attack. <i>MBio</i> , 2018, 9, .	1.8	63
29	CdrA Interactions within the <i>Pseudomonas aeruginosa</i> Biofilm Matrix Safeguard It from Proteolysis and Promote Cellular Packing. <i>MBio</i> , 2018, 9, .	1.8	76
30	<i>Pseudomonas aeruginosa</i> utilizes host polyunsaturated phosphatidylethanolamines to trigger theft-ferroptosis in bronchial epithelium. <i>Journal of Clinical Investigation</i> , 2018, 128, 4639-4653.	3.9	159
31	<i>Pseudomonas aeruginosa</i> rugose small-colony variants evade host clearance, are hyper-inflammatory, and persist in multiple host environments. <i>PLoS Pathogens</i> , 2018, 14, e1006842.	2.1	89
32	Oligomeric lipoprotein PelC guides Pel polysaccharide export across the outer membrane of <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2892-2897.	3.3	31
33	Role of <i>psl</i> Genes in Antibiotic Tolerance of Adherent <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	29
34	Effects of an autoinducer analogue on antibiotic tolerance in <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2230-2240.	1.3	6
35	Microbial glycoside hydrolases as antibiofilm agents with cross-kingdom activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7124-7129.	3.3	88
36	PelA and PelB proteins form a modification and secretion complex essential for Pel polysaccharide-dependent biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 19411-19422.	1.6	47

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37	An Update on the Sociomicrobiology of Quorum Sensing in Gram-Negative Biofilm Development. <i>Pathogens</i> , 2017, 6, 51.	1.2	87
38	Quorum Sensing Influences <i>Burkholderia thailandensis</i> Biofilm Development and Matrix Production. <i>Journal of Bacteriology</i> , 2016, 198, 2643-2650.	1.0	39
39	<i>In Situ</i> Biom mineralization and Particle Deposition Distinctively Mediate Biofilm Susceptibility to Chlorine. <i>Applied and Environmental Microbiology</i> , 2016, 82, 2886-2892.	1.4	23
40	Exopolysaccharide biosynthetic glycoside hydrolases can be utilized to disrupt and prevent <i>Pseudomonas aeruginosa</i> biofilms. <i>Science Advances</i> , 2016, 2, e1501632.	4.7	201
41	<i>Staphylococcus aureus</i> Protein A Mediates Interspecies Interactions at the Cell Surface of <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2016, 7, .	1.8	86
42	Controlling the Connections of Cells to the Biofilm Matrix. <i>Journal of Bacteriology</i> , 2016, 198, 12-14.	1.0	14
43	Biofilm Formation by <i>Cryptococcus neoformans</i> . , 2015, , 135-147.		4
44	New Technologies for Studying Biofilms. , 2015, , 1-32.		5
45	The <i>cabABC</i> Operon Essential for Biofilm and Rugose Colony Development in <i>Vibrio vulnificus</i> . <i>PLoS Pathogens</i> , 2015, 11, e1005192.	2.1	37
46	Oligoribonuclease is a central feature of cyclic diguanylate signaling in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11359-11364.	3.3	99
47	Quorum Sensing Protects <i>Pseudomonas aeruginosa</i> against Cheating by Other Species in a Laboratory Coculture Model. <i>Journal of Bacteriology</i> , 2015, 197, 3154-3159.	1.0	58
48	The Cyclic AMP-Vfr Signaling Pathway in <i>Pseudomonas aeruginosa</i> Is Inhibited by Cyclic Di-GMP. <i>Journal of Bacteriology</i> , 2015, 197, 2190-2200.	1.0	73
49	Precision-engineering the <i>Pseudomonas aeruginosa</i> genome with two-step allelic exchange. <i>Nature Protocols</i> , 2015, 10, 1820-1841.	5.5	381
50	Spatial Patterns of Carbonate Biom mineralization in Biofilms. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7403-7410.	1.4	59
51	Pel is a cationic exopolysaccharide that cross-links extracellular DNA in the <i>Pseudomonas aeruginosa</i> biofilm matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11353-11358.	3.3	485
52	ChIP-Seq and RNA-Seq Reveal an AmrZ-Mediated Mechanism for Cyclic di-GMP Synthesis and Biofilm Development by <i>Pseudomonas aeruginosa</i> . <i>PLoS Pathogens</i> , 2014, 10, e1003984.	2.1	149
53	Extracellular DNA Impedes the Transport of Vancomycin in <i>Staphylococcus epidermidis</i> Biofilms Preexposed to Subinhibitory Concentrations of Vancomycin. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 7273-7282.	1.4	102
54	Surface-associated microbes continue to surprise us in their sophisticated strategies for assembling biofilm communities. <i>F1000prime Reports</i> , 2014, 6, 26.	5.9	24

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55	LC/MS/MS-Based Quantitative Assay for the Secondary Messenger Molecule, c-di-GMP. <i>Methods in Molecular Biology</i> , 2014, 1149, 271-279.	0.4	19
56	Going local: technologies for exploring bacterial microenvironments. <i>Nature Reviews Microbiology</i> , 2013, 11, 337-348.	13.6	116
57	Psl trails guide exploration and microcolony formation in <i>Pseudomonas aeruginosa</i> biofilms. <i>Nature</i> , 2013, 497, 388-391.	13.7	308
58	A spider web strategy of type IV pili-mediated migration to build a fibre-like Psl polysaccharide matrix in <i>Pseudomonas aeruginosa</i> biofilms. <i>Environmental Microbiology</i> , 2013, 15, 2238-2253.	1.8	70
59	The extracellular matrix protects <i>Pseudomonas aeruginosa</i> biofilms by limiting the penetration of tobramycin. <i>Environmental Microbiology</i> , 2013, 15, 2865-2878.	1.8	357
60	PelA Deacetylase Activity Is Required for Pel Polysaccharide Synthesis in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2013, 195, 2329-2339.	1.0	90
61	Transcriptome Analysis of Acetyl-Homoserine Lactone-Based Quorum Sensing Regulation in <i>Yersinia pestis</i> . <i>PLoS ONE</i> , 2013, 8, e62337.	1.1	24
62	Structure of the Cytoplasmic Region of PelD, a Degenerate Diguanylate Cyclase Receptor That Regulates Exopolysaccharide Production in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 23582-23593.	1.6	101
63	The FleQ protein from <i>Pseudomonas aeruginosa</i> functions as both a repressor and an activator to control gene expression from the pel operon promoter in response to c-di-GMP. <i>Nucleic Acids Research</i> , 2012, 40, 7207-7218.	6.5	244
64	Self-produced exopolysaccharide is a signal that stimulates biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20632-20636.	3.3	265
65	Fluorescence-Based Reporter for Gauging Cyclic Di-GMP Levels in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 5060-5069.	1.4	234
66	Expression, purification, crystallization and preliminary X-ray analysis of <i>Pseudomonas aeruginosa</i> PelD. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 181-184.	0.7	11
67	<i>Pseudomonas aeruginosa</i> Psl polysaccharide reduces neutrophil phagocytosis and the oxidative response by limiting complement-mediated opsonization. <i>Cellular Microbiology</i> , 2012, 14, 95-106.	1.1	193
68	The Pel and Psl polysaccharides provide <i>Pseudomonas aeruginosa</i> structural redundancy within the biofilm matrix. <i>Environmental Microbiology</i> , 2012, 14, 1913-1928.	1.8	447
69	Synthesis of multiple <i>Pseudomonas aeruginosa</i> biofilm matrix exopolysaccharides is post-transcriptionally regulated. <i>Environmental Microbiology</i> , 2012, 14, 1995-2005.	1.8	94
70	Different Methods for Culturing Biofilms In Vitro. , 2011, , 251-266.		18
71	Direct Evaluation of <i>Pseudomonas aeruginosa</i> Biofilm Mediators in a Chronic Infection Model. <i>Infection and Immunity</i> , 2011, 79, 3087-3095.	1.0	79
72	The contribution of cell-cell signaling and motility to bacterial biofilm formation. <i>MRS Bulletin</i> , 2011, 36, 367-373.	1.7	95

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73	The Pel Polysaccharide Can Serve a Structural and Protective Role in the Biofilm Matrix of <i>Pseudomonas aeruginosa</i> . <i>PLoS Pathogens</i> , 2011, 7, e1001264.	2.1	428
74	<i>Pseudomonas aeruginosa</i> uses a cyclic-di-GMP-regulated adhesin to reinforce the biofilm extracellular matrix. <i>Molecular Microbiology</i> , 2010, 75, 827-842.	1.2	450
75	<i>Pseudomonas aeruginosa</i> biofilm matrix polysaccharide Psl is regulated transcriptionally by RpoS and post-transcriptionally by RsmA. <i>Molecular Microbiology</i> , 2010, 78, 158-172.	1.2	252
76	Bacterial competition: surviving and thriving in the microbial jungle. <i>Nature Reviews Microbiology</i> , 2010, 8, 15-25.	13.6	2,085
77	Probing Prokaryotic Social Behaviors with Bacterial "Lobster Traps". <i>MBio</i> , 2010, 1, .	1.8	137
78	Biofilms 2009: New Perspectives at the Heart of Surface-Associated Microbial Communities. <i>Journal of Bacteriology</i> , 2010, 192, 2941-2949.	1.0	50
79	A unique regulator controls the activation threshold of quorum-regulated genes in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7916-7921.	3.3	98
80	<i>Pseudomonas aeruginosa</i> Rugose Small-Colony Variants Have Adaptations That Likely Promote Persistence in the Cystic Fibrosis Lung. <i>Journal of Bacteriology</i> , 2009, 191, 3492-3503.	1.0	372
81	Quorum-Sensing Control of Antibiotic Synthesis in <i>Burkholderia thailandensis</i> . <i>Journal of Bacteriology</i> , 2009, 191, 3909-3918.	1.0	129
82	Assembly and Development of the <i>Pseudomonas aeruginosa</i> Biofilm Matrix. <i>PLoS Pathogens</i> , 2009, 5, e1000354.	2.1	515
83	Genetic and biochemical analyses of the <i>Pseudomonas aeruginosa</i> Psl exopolysaccharide reveal overlapping roles for polysaccharide synthesis enzymes in Psl and LPS production. <i>Molecular Microbiology</i> , 2009, 73, 622-638.	1.2	326
84	Chromosomal antioxidant genes have metal ion-specific roles as determinants of bacterial metal tolerance. <i>Environmental Microbiology</i> , 2009, 11, 2491-2509.	1.8	112
85	Pattern formation in <i>Pseudomonas aeruginosa</i> biofilms. <i>Current Opinion in Microbiology</i> , 2008, 11, 560-566.	2.3	84
86	Subinhibitory Concentrations of Azithromycin Decrease Nontypeable <i>Haemophilus influenzae</i> Biofilm Formation and Diminish Established Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 137-145.	1.4	86
87	Elasticity-mediated nematiclike bacterial organization in model extracellular DNA matrix. <i>Physical Review E</i> , 2008, 78, 030701.	0.8	69
88	<i>Drosophila</i> are protected from <i>Pseudomonas aeruginosa</i> lethality by transgenic expression of paraoxonase-1. <i>Journal of Clinical Investigation</i> , 2008, 118, 3123-3131.	3.9	74
89	Influence of the Hydrodynamic Environment on Quorum Sensing in <i>Pseudomonas aeruginosa</i> Biofilms. <i>Journal of Bacteriology</i> , 2007, 189, 8357-8360.	1.0	98
90	The promise and peril of transcriptional profiling in biofilm communities. <i>Current Opinion in Microbiology</i> , 2007, 10, 292-296.	2.3	121

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91	<i>Pseudomonas aeruginosa</i> Psl Is a Galactose- and Mannose-Rich Exopolysaccharide. <i>Journal of Bacteriology</i> , 2007, 189, 8353-8356.	1.0	159
92	Bilingual bacteria. <i>Nature</i> , 2007, 450, 805-807.	13.7	3
93	The effect of the chemical, biological, and physical environment on quorum sensing in structured microbial communities. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 371-380.	1.9	149
94	The impact of quorum sensing and swarming motility on <i>Pseudomonas aeruginosa</i> biofilm formation is nutritionally conditional. <i>Molecular Microbiology</i> , 2006, 62, 1264-1277.	1.2	498
95	Analysis of <i>Pseudomonas aeruginosa</i> Conditional Psl Variants Reveals Roles for the Psl Polysaccharide in Adhesion and Maintaining Biofilm Structure Postattachment. <i>Journal of Bacteriology</i> , 2006, 188, 8213-8221.	1.0	349
96	Does <i>Pseudomonas aeruginosa</i> use intercellular signalling to build biofilm communities?. <i>Cellular Microbiology</i> , 2006, 8, 1841-1849.	1.1	127
97	Mucin- <i>Pseudomonas aeruginosa</i> interactions promote biofilm formation and antibiotic resistance. <i>Molecular Microbiology</i> , 2006, 59, 142-151.	1.2	173
98	Survival and Growth in the Presence of Elevated Copper: Transcriptional Profiling of Copper-Stressed <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2006, 188, 7242-7256.	1.0	270
99	Quorum sensing and motility mediate interactions between <i>Pseudomonas aeruginosa</i> and <i>Agrobacterium tumefaciens</i> in biofilm cocultures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3828-3833.	3.3	187
100	Characterization of Colony Morphology Variants Isolated from <i>Pseudomonas aeruginosa</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4809-4821.	1.4	250
101	Sociomicrobiology: the connections between quorum sensing and biofilms. <i>Trends in Microbiology</i> , 2005, 13, 27-33.	3.5	991
102	The Exopolysaccharide Alginate Protects <i>Pseudomonas aeruginosa</i> Biofilm Bacteria from IFN- γ -Mediated Macrophage Killing. <i>Journal of Immunology</i> , 2005, 175, 7512-7518.	0.4	441
103	Phosphorus Limitation Enhances Biofilm Formation of the Plant Pathogen <i>Agrobacterium tumefaciens</i> through the PhoR-PhoB Regulatory System. <i>Journal of Bacteriology</i> , 2004, 186, 4492-4501.	1.0	113
104	Identification of psl, a Locus Encoding a Potential Exopolysaccharide That Is Essential for <i>Pseudomonas aeruginosa</i> PAO1 Biofilm Formation. <i>Journal of Bacteriology</i> , 2004, 186, 4466-4475.	1.0	372
105	Bacterial Biofilms: An Emerging Link to Disease Pathogenesis. <i>Annual Review of Microbiology</i> , 2003, 57, 677-701.	2.9	1,362
106	Heavy Metal Resistance of Biofilm and Planktonic <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 2313-2320.	1.4	598
107	Alginate is not a significant component of the extracellular polysaccharide matrix of PA14 and PAO1 <i>Pseudomonas aeruginosa</i> biofilms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7907-7912.	3.3	395
108	Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm bacteria by a halogenated furanone compound. <i>Microbiology (United Kingdom)</i> , 2002, 148, 87-102.	0.7	919

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109	Statistical Analysis of <i>Pseudomonas aeruginosa</i> Biofilm Development: Impact of Mutations in Genes Involved in Twitching Motility, Cell-to-Cell Signaling, and Stationary-Phase Sigma Factor Expression. <i>Applied and Environmental Microbiology</i> , 2002, 68, 2008-2017.	1.4	259
110	<i>Pseudomonas aeruginosa</i> Anaerobic Respiration in Biofilms. <i>Developmental Cell</i> , 2002, 3, 593-603.	3.1	528
111	Targeting Quorum Sensing for Treatment of Chronic Bacterial Biofilm Infections. <i>Laboratory Medicine</i> , 2002, 33, 295-306.	0.8	10
112	A component of innate immunity prevents bacterial biofilm development. <i>Nature</i> , 2002, 417, 552-555.	13.7	923
113	[4] Acylated homoserine lactone detection in <i>pseudomonas aeruginosa</i> Biofilms by radiolabel assay. <i>Methods in Enzymology</i> , 2001, 336, 41-47.	0.4	35
114	Regulation of Gene Expression by Cell-to-Cell Communication: Acyl-Homoserine Lactone Quorum Sensing. <i>Annual Review of Genetics</i> , 2001, 35, 439-468.	3.2	1,251
115	Gene expression in <i>Pseudomonas aeruginosa</i> biofilms. <i>Nature</i> , 2001, 413, 860-864.	13.7	1,037
116	Alginate Overproduction Affects <i>Pseudomonas aeruginosa</i> Biofilm Structure and Function. <i>Journal of Bacteriology</i> , 2001, 183, 5395-5401.	1.0	584
117	Quorum-sensing signals indicate that cystic fibrosis lungs are infected with bacterial biofilms. <i>Nature</i> , 2000, 407, 762-764.	13.7	1,372
118	Detection, purification, and structural elucidation of the acylhomoserine lactone inducer of <i>Vibrio fischeri</i> luminescence and other related molecules. <i>Methods in Enzymology</i> , 2000, 305, 288-301.	0.4	103
119	Regulation of Quorum Sensing by RpoS in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2000, 182, 4356-4360.	1.0	213
120	Experimental reproducibility in flow-chamber biofilms. <i>Microbiology (United Kingdom)</i> , 2000, 146, 2409-2415.	0.7	224
121	[3] Quorum sensing signals in development of <i>Pseudomonas aeruginosa</i> biofilms. <i>Methods in Enzymology</i> , 1999, 310, 43-55.	0.4	101
122	Acylhomoserine Lactone Synthase Activity of the <i>Vibrio fischeri</i> AinS Protein. <i>Journal of Bacteriology</i> , 1999, 181, 5766-5770.	1.0	99
123	The Involvement of Cell-to-Cell Signals in the Development of a Bacterial Biofilm. <i>Science</i> , 1998, 280, 295-298.	6.0	3,019
124	Transcriptional Repression Mediated by LysR-Type Regulator CatR Bound at Multiple Binding Sites. <i>Journal of Bacteriology</i> , 1998, 180, 2367-2372.	1.0	37
125	Analysis of random and site-directed mutations in <i>rhII</i> , a <i>Pseudomonas aeruginosa</i> gene encoding an acylhomoserine lactone synthase. <i>Molecular Microbiology</i> , 1997, 26, 301-310.	1.2	91
126	Molecular Mechanisms of Quorum Sensing. , 0, , 361-384.		0

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127	Biofilm Development. , 0, , 51-66.		12
128	Bacterial Extracellular Polysaccharides in Biofilm Formation and Function. , 0, , 223-247.		36
129	Biofilm Matrix Proteins. , 0, , 201-222.		10
130	Division of Labor in Biofilms: the Ecology of Cell Differentiation. , 0, , 67-97.		13
131	Chemical Biology Strategies for Biofilm Control. , 0, , 363-372.		0
132	c-di-GMP and its Effects on Biofilm Formation and Dispersion: a <i>Pseudomonas Aeruginosa</i> Review. , 0, , 301-317.		13
133	Adhesins Involved in Attachment to Abiotic Surfaces by Gram-Negative Bacteria. , 0, , 163-199.		27
134	Antimicrobial Tolerance in Biofilms. , 0, , 269-285.		17
135	Choosing the Right Lifestyle: Regulation of Developmental Pathways by Cyclic Di-GMP. , 0, , 97-119.		0
136	Factors That Impact <i>Pseudomonas aeruginosa</i> Biofilm Structure and Function. , 0, , 1-20.		0