Thomas K Wood

List of Publications by Year
in descending order

307 papers	23,326 citations	4960 84 h-index	12272 133 g-index
325 all docs	325 docs citations	325 times ranked	18292 citing authors

#	Article	IF	Citations
1	Emerging applications of bacteria as antitumor agents. Seminars in Cancer Biology, 2022, 86, 1014-1025.	9.6	37
2	The role of PemIK (PemK/PemI) type II TA system from Klebsiella pneumoniae clinical strains in lytic phage infection. Scientific Reports, 2022, 12, 4488.	3.3	17
3	Manipulating indole symbiont signalling. Environmental Microbiology Reports, 2022, 14, 691-696.	2.4	2
4	Are we really studying persister cells?. Environmental Microbiology Reports, 2021, 13, 3-7.	2.4	23
5	Type VII Toxin/Antitoxin Classification System for Antitoxins that Enzymatically Neutralize Toxins. Trends in Microbiology, 2021, 29, 388-393.	7.7	58
6	Concerns with computational protein engineering programmes IPRO and OptMAVEn and metabolic pathway engineering programme optStoic. Open Biology, 2021, 11, 200173.	3.6	1
7	Persister Cells Form in the Plant Pathogen Xanthomonas citri subsp. citri under Different Stress Conditions. Microorganisms, 2021, 9, 384.	3.6	8
8	The Primary Physiological Roles of Autoinducer 2 in Escherichia coli Are Chemotaxis and Biofilm Formation. Microorganisms, 2021, 9, 386.	3.6	22
9	â€˜Viable but <scp>nonâ€culturable</scp> cellsâ€™ are dead. Environmental Microbiology, 2021, 23, 2335-2338.	3.8	32
10	The secret lives of single cells. Microbial Biotechnology, 2021, , .	4.2	4
11	Mostly dead and all dead: response to â€˜what do we mean by viability in terms of â€œviable but nonâ€culturable cellsâ€â€™. Environmental Microbiology Reports, 2021, 13, 253-254.	2.4	4
12	Waiting for Godot: response to â€˜How dead is dead? Viable but nonâ€culturable versus persister cellsâ€™. Environmental Microbiology Reports, 2021, 13, 246-247.	2.4	2
13	Tryptophan-metabolizing gut microbes regulate adult neurogenesis via the aryl hydrocarbon receptor. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	75
14	<scp><i>Vibrio splendidus</i></scp> persister cells induced by host coelomic fluids show a similar phenotype to antibioticâ€induced counterparts. Environmental Microbiology, 2021, 23, 5605-5620.	3.8	10
15	Conjugative plasmid-encoded toxinâ€“antitoxin system PrpT/PrpA directly controls plasmid copy number. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
16	<i>Escherichia coli</i> cryptic prophages sense nutrients to influence persister cell resuscitation. Environmental Microbiology, 2021, 23, 7245-7254.	3.8	9
17	Persister cells resuscitate via ribosome modification by 23S rRNA pseudouridine synthase RluD. Environmental Microbiology, 2020, 22, 850-857.	3.8	25
18	Persister Cells Resuscitate Using Membrane Sensors that Activate Chemotaxis, Lower cAMP Levels, and Revive Ribosomes. IScience, 2020, 23, 100792.	4.1	56

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19	Novel polyadenylylation-dependent neutralization mechanism of the HEPN/MNT toxin/antitoxin system. Nucleic Acids Research, 2020, 48, 11054-11067.	14.5	27
20	Combatting Persister Cells With Substituted Indoles. Frontiers in Microbiology, 2020, 11, 1565.	3.5	24
21	(p)ppGpp and Its Role in Bacterial Persistence: New Challenges. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	62
22	A Primary Physiological Role of Toxin/Antitoxin Systems Is Phage Inhibition. Frontiers in Microbiology, 2020, 11, 1895.	3.5	111
23	Mechanisms of Tolerance and Resistance to Chlorhexidine in Clinical Strains of Klebsiella pneumoniae Producers of Carbapenemase: Role of New Type II Toxin-Antitoxin System, PemIK. Toxins, 2020, 12, 566.	3.4	15
24	Copper Kills Escherichia coli Persister Cells. Antibiotics, 2020, 9, 506.	3.7	7
25	Toxin/Antitoxin System Paradigms: Toxins Bound to Antitoxins Are Not Likely Activated by Preferential Antitoxin Degradation. Advanced Biology, 2020, 4, e1900290.	3.0	57
26	ppGpp ribosome dimerization model for bacterial persister formation and resuscitation. Biochemical and Biophysical Research Communications, 2020, 523, 281-286.	2.1	71
27	Forming and waking dormant cells: The ppGpp ribosome dimerization persister model. Biofilm, 2020, 2, 100018.	3.8	49
28	Symbiosis of a P2â€family phage and deepâ€sea <i>Shewanella putrefaciens</i>. Environmental Microbiology, 2019, 21, 4212-4232.	3.8	16
29	Precedence for the Role of Indole with Pathogens. MBio, 2019, 10, .	4.1	5
30	Interkingdom signal indole inhibits <i>Pseudomonas aeruginosa</i> persister cell waking. Journal of Applied Microbiology, 2019, 127, 1768-1775.	3.1	31
31	Seeding Public Goods Is Essential for Maintaining Cooperation in Pseudomonas aeruginosa. Frontiers in Microbiology, 2019, 10, 2322.	3.5	8
32	Toxins of toxin/antitoxin systems are inactivated primarily through promoter mutations. Journal of Applied Microbiology, 2019, 127, 1859-1868.	3.1	7
33	Resistance to oxidative stress by inner membrane protein ElaB is regulated by OxyR and RpoS. Microbial Biotechnology, 2019, 12, 392-404.	4.2	21
34	Pseudogene YdfW in Escherichia coli decreases hydrogen production through nitrate respiration pathways. International Journal of Hydrogen Energy, 2019, 44, 16212-16223.	7.1	4
35	Identification of a potent indigoid persister antimicrobial by screening dormant cells. Biotechnology and Bioengineering, 2019, 116, 2263-2274.	3.3	24
36	Ïƒ₅₄â€Dependent regulator DVU2956 switches <i>Desulfovibrio vulgaris</i> from biofilm formation to planktonic growth and regulates hydrogen sulfide production. Environmental Microbiology, 2019, 21, 3564-3576.	3.8	18

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37	Phages Mediate Bacterial Self-Recognition. Cell Reports, 2019, 27, 737-749.e4.	6.4	20
38	Editorial: Quorum Network (Sensing/Quenching) in Multidrug-Resistant Pathogens. Frontiers in Cellular and Infection Microbiology, 2019, 9, 80.	3.9	8
39	Ribosome dependence of persister cell formation and resuscitation. Journal of Microbiology, 2019, 57, 213-219.	2.8	38
40	Editorial: Drug Re-purposing for the Treatment of Bacterial and Viral Infections. Frontiers in Cellular and Infection Microbiology, 2019, 9, 387.	3.9	1
41	Quorum sensing between Gram-negative bacteria responsible for methane production in a complex waste sewage sludge consortium. Applied Microbiology and Biotechnology, 2019, 103, 1485-1495.	3.6	32
42	Viable bacteria persist on antibiotic spacers following twoâ€stage revision for periprosthetic joint infection. Journal of Orthopaedic Research, 2018, 36, 452-458.	2.3	37
43	Viable but nonâ€culturable and persistence describe the same bacterial stress state. Environmental Microbiology, 2018, 20, 2038-2048.	3.8	175
44	GhoT of the GhoT/GhoS toxin/antitoxin system damages lipid membranes by forming transient pores. Biochemical and Biophysical Research Communications, 2018, 497, 467-472.	2.1	7
45	Glycoside hydrolase DisH fromDesulfovibrio vulgarisdegrades theNâ€acetylgalactosamine component of diverse biofilms. Environmental Microbiology, 2018, 20, 2026-2037.	3.8	15
46	Current state and perspectives in hydrogen production by Escherichia coli: roles of hydrogenases in glucose or glycerol metabolism. Applied Microbiology and Biotechnology, 2018, 102, 2041-2050.	3.6	26
47	Single cell observations show persister cells wake based on ribosome content. Environmental Microbiology, 2018, 20, 2085-2098.	3.8	94
48	Quorum Sensing Systems and Persistence. , 2018, , 17-27.		0
49	Pseudogene product YqiG is important for pflB expression and biohydrogen production in Escherichia coli BW25113. 3 Biotech, 2018, 8, 435.	2.2	1
50	Rhamnolipids from Pseudomonas aeruginosa disperse the biofilms of sulfate-reducing bacteria. Npj Biofilms and Microbiomes, 2018, 4, 22.	6.4	59
51	Electron carriers increase electricity production in methane microbial fuel cells that reverse methanogenesis. Biotechnology for Biofuels, 2018, 11, 211.	6.2	30
52	Substrate Binding Protein DppA1 of ABC Transporter DppBCDF Increases Biofilm Formation in Pseudomonas aeruginosa by Inhibiting Pf5 Prophage Lysis. Frontiers in Microbiology, 2018, 9, 30.	3.5	20
53	Serine Hydroxymethyltransferase ShrA (PA2444) Controls Rugose Small-Colony Variant Formation in Pseudomonas aeruginosa. Frontiers in Microbiology, 2018, 9, 315.	3.5	14
54	Post-segregational Killing and Phage Inhibition Are Not Mediated by Cell Death Through Toxin/Antitoxin Systems. Frontiers in Microbiology, 2018, 9, 814.	3.5	95

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55	Pyocyanin Restricts Social Cheating in Pseudomonas aeruginosa. Frontiers in Microbiology, 2018, 9, 1348.	3.5	59
56	Computational de novo design of antibodies binding to a peptide with high affinity. Biotechnology and Bioengineering, 2017, 114, 1331-1342.	3.3	25
57	Interkingdom Cues by Bacteria Associated with Conspecific and Heterospecific Eggs of<i>Cochliomyia macellaria</i>and<i>Chrysomya rufifacies</i>(Diptera: Calliphoridae) Potentially Govern Succession on Carrion. Annals of the Entomological Society of America, 2017, 110, 73-82.	2.5	14
58	Tail-Anchored Inner Membrane Protein ElaB Increases Resistance to Stress While Reducing Persistence in Escherichia coli. Journal of Bacteriology, 2017, 199, .	2.2	31
59	Tolerant, Growing Cells from Nutrient Shifts Are Not Persister Cells. MBio, 2017, 8, .	4.1	37
60	Electricity from methane by reversing methanogenesis. Nature Communications, 2017, 8, 15419.	12.8	127
61	Indole: An evolutionarily conserved influencer of behavior across kingdoms. BioEssays, 2017, 39, 1600203.	2.5	56
62	A Genomeâ€Scale Modeling Approach to Quantify Biofilm Component Growth of <i>Salmonella Typhimurium</i>. Journal of Food Science, 2017, 82, 154-166.	3.1	7
63	Dispersal and inhibitory roles of mannose, 2â€deoxyâ€<scp>d</scp>â€glucose and <i>N</i>â€acetylgalactosaminidase on the biofilm of <i>Desulfovibrio vulgaris</i>. Environmental Microbiology Reports, 2017, 9, 779-787.	2.4	14
64	Strategies for combating persister cell and biofilm infections. Microbial Biotechnology, 2017, 10, 1054-1056.	4.2	59
65	Reactive micromixing eliminates fouling and concentration polarization in reverse osmosis membranes. Journal of Membrane Science, 2017, 542, 8-17.	8.2	39
66	Repurposing the anticancer drug mitomycin C for the treatment of persistent Acinetobacter baumannii infections. International Journal of Antimicrobial Agents, 2017, 49, 88-92.	2.5	61
67	Metabolic manipulation of methanogens for methane machinations. Microbial Biotechnology, 2017, 10, 9-10.	4.2	5
68	Metabolic engineering of <i>Methanosarcina acetivorans</i> for lactate production from methane. Biotechnology and Bioengineering, 2017, 114, 852-861.	3.3	39
69	Commentary: What Is the Link between Stringent Response, Endoribonuclease Encoding Type II Toxin-Antitoxin Systems and Persistence?. Frontiers in Microbiology, 2017, 8, 191.	3.5	31
70	Selection of Functional Quorum Sensing Systems by Lysogenic Bacteriophages in Pseudomonas aeruginosa. Frontiers in Microbiology, 2017, 8, 1669.	3.5	30
71	Repurposing of Anticancer Drugs for the Treatment of Bacterial Infections. Current Topics in Medicinal Chemistry, 2017, 17, 1157-1176.	2.1	80
72	Exploiting Quorum Sensing Inhibition for the Control of Pseudomonas aeruginosa and Acinetobacter baumannii Biofilms. Current Topics in Medicinal Chemistry, 2017, 17, 1915-1927.	2.1	30

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73	Toxin-Antitoxin Systems in Clinical Pathogens. Toxins, 2016, 8, 227.	3.4	105
74	Persistent Persister Misperceptions. Frontiers in Microbiology, 2016, 07, 2134.	3.5	72
75	Cryptic prophages as targets for drug development. Drug Resistance Updates, 2016, 27, 30-38.	14.4	58
76	Combatting bacterial persister cells. Biotechnology and Bioengineering, 2016, 113, 476-483.	3.3	100
77	DNAâ€crosslinker cisplatin eradicates bacterial persister cells. Biotechnology and Bioengineering, 2016, 113, 1984-1992.	3.3	95
78	Persistence Increases in the Absence of the Alarmone Guanosine Tetraphosphate by Reducing Cell Growth. Scientific Reports, 2016, 6, 20519.	3.3	105
79	An oxygen-sensitive toxinâ€“antitoxin system. Nature Communications, 2016, 7, 13634.	12.8	63
80	Halogenated indoles eradicate bacterial persister cells and biofilms. AMB Express, 2016, 6, 123.	3.0	80
81	Living biofouling-resistant membranes as a model for the beneficial use of engineered biofilms. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2802-11.	7.1	52
82	The HigB/HigA toxin/antitoxin system of <i>Pseudomonas aeruginosa</i> influences the virulence factors pyochelin, pyocyanin, and biofilm formation. MicrobiologyOpen, 2016, 5, 499-511.	3.0	101
83	Can resistance against quorum-sensing interference be selected?. ISME Journal, 2016, 10, 4-10.	9.8	80
84	<i>Streptomyces</i>-derived actinomycin D inhibits biofilm formation by<i>Staphylococcus aureus</i>and its hemolytic activity. Biofouling, 2016, 32, 45-56.	2.2	39
85	Toxin MqsR cleaves singleâ€stranded <scp>mRNA</scp> with various 5' ends. MicrobiologyOpen, 2016, 5, 370-377.	3.0	9
86	Antibiotic-tolerant Staphylococcus aureus Biofilm Persists on Arthroplasty Materials. Clinical Orthopaedics and Related Research, 2016, 474, 1649-1656.	1.5	76
87	Reversing methanogenesis to capture methane for liquid biofuel precursors. Microbial Cell Factories, 2016, 15, 11.	4.0	116
88	Assessing methanotrophy and carbon fixation for biofuel production by Methanosarcina acetivorans. Microbial Cell Factories, 2016, 15, 10.	4.0	40
89	Toxin YafQ Reduces Escherichia coli Growth at Low Temperatures. PLoS ONE, 2016, 11, e0161577.	2.5	4
90	Physiological Function of Rac Prophage During Biofilm Formation and Regulation of Rac Excision in Escherichia coli K-12. Scientific Reports, 2015, 5, 16074.	3.3	28

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91	Role of quorum sensing in bacterial infections. World Journal of Clinical Cases, 2015, 3, 575.	0.8	168
92	Effect of Quorum Sensing by Staphylococcus epidermidis on the Attraction Response of Female Adult Yellow Fever Mosquitoes, Aedes aegypti aegypti (Linnaeus) (Diptera: Culicidae), to a Blood-Feeding Source. PLoS ONE, 2015, 10, e0143950.	2.5	19
93	An Integrated Modeling and Experimental Approach to Study the Influence of Environmental Nutrients on Biofilm Formation of<i>Pseudomonas aeruginosa</i>. BioMed Research International, 2015, 2015, 1-12.	1.9	11
94	Orphan Toxin OrtT (YdcX) of Escherichia coli Reduces Growth during the Stringent Response. Toxins, 2015, 7, 299-321.	3.4	23
95	Beneficial knockouts in Escherichia coli for producing hydrogen from glycerol. Applied Microbiology and Biotechnology, 2015, 99, 2573-2581.	3.6	14
96	CO2 sequestration by methanogens in activated sludge for methane production. Applied Energy, 2015, 142, 426-434.	10.1	58
97	Metabolic engineering of Escherichia coli to enhance acetol production from glycerol. Applied Microbiology and Biotechnology, 2015, 99, 7945-7952.	3.6	24
98	High variability in quorum quenching and growth inhibition by furanone C-30 in<i>Pseudomonas aeruginosa</i>clinical isolates from cystic fibrosis patients. Pathogens and Disease, 2015, 73, ftv040.	2.0	57
99	Combatting bacterial infections by killing persister cells with mitomycin <scp>C</scp>. Environmental Microbiology, 2015, 17, 4406-4414.	3.8	154
100	Roles of Indole as an Interspecies and Interkingdom Signaling Molecule. Trends in Microbiology, 2015, 23, 707-718.	7.7	396
101	The <scp>MqsR</scp>/<scp>MqsA</scp> toxin/antitoxin system protects <scp><i>E</i></scp><i>scherichia coli</i> during bile acid stress. Environmental Microbiology, 2015, 17, 3168-3181.	3.8	55
102	Toxin <scp>YafQ</scp> increases persister cell formation by reducing indole signalling. Environmental Microbiology, 2015, 17, 1275-1285.	3.8	88
103	Phosphodiesterase DosP increases persistence by reducing cAMP which reduces the signal indole. Biotechnology and Bioengineering, 2015, 112, 588-600.	3.3	75
104	Methane oxidation by anaerobic archaea for conversion to liquid fuels. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 391-401.	3.0	32
105	A metagenomic assessment of the bacteria associated with Lucilia sericata and Lucilia cuprina (Diptera:) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	95
106	Quorum sensing enhancement of the stress response promotes resistance to quorum quenching and prevents social cheating. ISME Journal, 2015, 9, 115-125.	9.8	161
107	BdcA, a Protein Important for Escherichia coli Biofilm Dispersal, Is a Short-Chain Dehydrogenase/Reductase that Binds Specifically to NADPH. PLoS ONE, 2014, 9, e105751.	2.5	18
108	YeeO from<i>Escherichia coli</i>exports flavins. Bioengineered, 2014, 5, 386-392.	3.2	57

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109	Polyphosphate, cyclic AMP, guanosine tetraphosphate, and c-di-GMP reduce in vitro Lon activity. Bioengineered, 2014, 5, 264-268.	3.2	44
110	RalR (a DNase) and RalA (a small RNA) form a type I toxinâ€“antitoxin system in Escherichia coli. Nucleic Acids Research, 2014, 42, 6448-6462.	14.5	98
111	The role of substrate binding pocket residues phenylalanine 176 and phenylalanine 196 on <i>Pseudomonas</i> sp. OX1 toluene <i>o</i>â€xylene monooxygenase activity and regiospecificity. Biotechnology and Bioengineering, 2014, 111, 1506-1512.	3.3	11
112	Gallium induces the production of virulence factors in<i>Pseudomonas aeruginosa</i>. Pathogens and Disease, 2014, 70, 95-98.	2.0	47
113	Metabolic engineering of Escherichia coli to enhance hydrogen production from glycerol. Applied Microbiology and Biotechnology, 2014, 98, 4757-4770.	3.6	55
114	Toxin <scp>GhoT</scp> of the <scp>GhoT</scp>/<scp>GhoS</scp> toxin/antitoxin system damages the cell membrane to reduce adenosine triphosphate and to reduce growth under stress. Environmental Microbiology, 2014, 16, 1741-1754.	3.8	79
115	Evolution of Resistance to Quorum-Sensing Inhibitors. Microbial Ecology, 2014, 68, 13-23.	2.8	151
116	Indole inhibition of N-acylated homoserine lactone-mediated quorum signalling is widespread in Gram-negative bacteria. Microbiology (United Kingdom), 2014, 160, 2464-2473.	1.8	37
117	McbR/YncC: Implications for the Mechanism of Ligand and DNA Binding by a Bacterial GntR Transcriptional Regulator Involved in Biofilm Formation. Biochemistry, 2014, 53, 7223-7231.	2.5	25
118	Biofilm dispersal: deciding when it is better to travel. Molecular Microbiology, 2014, 94, 747-750.	2.5	14
119	Modeling Framework for investigating the Influence of Amino Acids on the Planktonic-Biofilm Transition of Pseudomonas aeruginosa. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 803-808.	0.4	0
120	de novo Synthesis of a Bacterial Toxin/Antitoxin System. Scientific Reports, 2014, 4, 4807.	3.3	21
121	Backbone and sidechain 1H, 15N and 13C assignments of Tyrosine Phosphatase related to Biofilm formation A (TpbA) of Pseudomonas aeruginosa. Biomolecular NMR Assignments, 2013, 7, 57-59.	0.8	1
122	Isolation and characterization of gallium resistant Pseudomonas aeruginosa mutants. International Journal of Medical Microbiology, 2013, 303, 574-582.	3.6	57
123	Ligand Binding Reduces Conformational Flexibility in the Active Site of Tyrosine Phosphatase Related to Biofilm Formation A (TpbA) from Pseudomonas aeruginosa. Journal of Molecular Biology, 2013, 425, 2219-2231.	4.2	17
124	Four products from Escherichia coli pseudogenes increase hydrogen production. Biochemical and Biophysical Research Communications, 2013, 439, 576-579.	2.1	9
125	Resistance to Quorum-Quenching Compounds. Applied and Environmental Microbiology, 2013, 79, 6840-6846.	3.1	108
126	Bacterial Persister Cell Formation and Dormancy. Applied and Environmental Microbiology, 2013, 79, 7116-7121.	3.1	506

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127	Arrested Protein Synthesis Increases Persister-Like Cell Formation. Antimicrobial Agents and Chemotherapy, 2013, 57, 1468-1473.	3.2	286
128	Antitoxin MqsA Represses Curli Formation Through the Master Biofilm Regulator CsgD. Scientific Reports, 2013, 3, 3186.	3.3	83
129	A Survey of Bacterial Diversity From Successive Life Stages of Black Soldier Fly (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.8	111
130	Type <scp>II</scp> toxin/antitoxin <scp>MqsR</scp>/<scp>MqsA</scp> controls type <scp>V</scp> toxin/antitoxin <scp>GhoT</scp>/<scp>GhoS</scp>. Environmental Microbiology, 2013, 15, 1734-1744.	3.8	100
131	Influence of Escherichia coli hydrogenases on hydrogen fermentation from glycerol. International Journal of Hydrogen Energy, 2013, 38, 3905-3912.	7.1	35
132	Production of acetol from glycerol using engineered Escherichia coli. Bioresource Technology, 2013, 149, 238-243.	9.6	16
133	Biohydrogen production from oil palm frond juice and sewage sludge by a metabolically engineered Escherichia coli strain. International Journal of Hydrogen Energy, 2013, 38, 10277-10283.	7.1	37
134	Resistance to the quorum-quenching compounds brominated furanone C-30 and 5-fluorouracil in<i>Pseudomonas aeruginosa</i>clinical isolates. Pathogens and Disease, 2013, 68, 8-11.	2.0	93
135	Precedence for the Structural Role of Flagella in Biofilms. MBio, 2013, 4, e00225-13.	4.1	13
136	Bacteria Mediate Oviposition by the Black Soldier Fly, Hermetia illucens (L.), (Diptera: Stratiomyidae). Scientific Reports, 2013, 3, 2563.	3.3	83
137	Gene target identification for biofilm-associated pathogens: an application to pseudomonas aeruginosa. , 2013, , .		0
138	A Systems-Level Approach for Investigating Pseudomonas aeruginosa Biofilm Formation. PLoS ONE, 2013, 8, e57050.	2.5	33
139	Indole Production Promotes Escherichia coli Mixed-Culture Growth with Pseudomonas aeruginosa by Inhibiting Quorum Signaling. Applied and Environmental Microbiology, 2012, 78, 411-419.	3.1	105
140	Synthetic quorum-sensing circuit to control consortial biofilm formation and dispersal in a microfluidic device. Nature Communications, 2012, 3, 613.	12.8	152
141	Human intestinal epithelial cell-derived molecule(s) increase enterohemorrhagic<i>Escherichia coli</i>virulence. FEMS Immunology and Medical Microbiology, 2012, 66, 399-410.	2.7	9
142	A new type V toxin-antitoxin system where mRNA for toxin GhoT is cleaved by antitoxin GhoS. Nature Chemical Biology, 2012, 8, 855-861.	8.0	268
143	Uncharacterized Escherichia coli proteins YdjA and YhjY are related to biohydrogen production. International Journal of Hydrogen Energy, 2012, 37, 17778-17787.	7.1	28
144	Interkingdom responses of flies to bacteria mediated by fly physiology and bacterial quorum sensing. Animal Behaviour, 2012, 84, 1449-1456.	1.9	83

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145	<i>Proteus mirabilis</i> interkingdom swarming signals attract blow flies. ISME Journal, 2012, 6, 1356-1366.	9.8	101
146	A microfluidic device for high throughput bacterial biofilm studies. Lab on A Chip, 2012, 12, 1157.	6.0	60
147	Quorum quenching quandary: resistance to antivirulence compounds. ISME Journal, 2012, 6, 493-501.	9.8	254
148	Hydrogen production by recombinant <i>Escherichia coli</i> strains. Microbial Biotechnology, 2012, 5, 214-225.	4.2	62
149	Bacterial persistence increases as environmental fitness decreases. Microbial Biotechnology, 2012, 5, 509-522.	4.2	137
150	Interkingdom adenosine signal reduces <i>Pseudomonas aeruginosa</i> pathogenicity. Microbial Biotechnology, 2012, 5, 560-572.	4.2	12
151	Antitoxin DinJ influences the general stress response through transcript stabilizer CspE. Environmental Microbiology, 2012, 14, 669-679.	3.8	68
152	Toxin-Antitoxin Systems Influence Biofilm and Persister Cell Formation and the General Stress Response. Applied and Environmental Microbiology, 2011, 77, 5577-5583.	3.1	368
153	Escherichia coli BdcA controls biofilm dispersal in Pseudomonas aeruginosa and Rhizobium meliloti. BMC Research Notes, 2011, 4, 447.	1.4	38
154	Antitoxin MqsA helps mediate the bacterial general stress response. Nature Chemical Biology, 2011, 7, 359-366.	8.0	201
155	Protein acetylation in prokaryotes increases stress resistance. Biochemical and Biophysical Research Communications, 2011, 410, 846-851.	2.1	92
156	Environmental factors affecting indole production in Escherichia coli. Research in Microbiology, 2011, 162, 108-116.	2.1	102
157	Engineering a novel câ€diâ€GMPâ€binding protein for biofilm dispersal. Environmental Microbiology, 2011, 13, 631-642.	3.8	80
158	IS<i>5</i> inserts upstream of the master motility operon <i>flhDC</i> in a quasi-Lamarckian way. ISME Journal, 2011, 5, 1517-1525.	9.8	46
159	Engineering biofilm formation and dispersal. Trends in Biotechnology, 2011, 29, 87-94.	9.3	111
160	Transcriptomic Analysis for Genetic Mechanisms of the Factors Related to Biofilm Formation in Escherichia coli O157:H7. Current Microbiology, 2011, 62, 1321-1330.	2.2	29
161	GGDEF proteins YeaI, YedQ, and YfiN reduce early biofilm formation and swimming motility in Escherichia coli. Applied Microbiology and Biotechnology, 2011, 90, 651-658.	3.6	65
162	Fiber optic monooxygenase biosensor for toluene concentration measurement in aqueous samples. Biosensors and Bioelectronics, 2011, 26, 2407-2412.	10.1	23

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163	Escherichia coli hydrogenase activity and H2 production under glycerol fermentation at a low pH. International Journal of Hydrogen Energy, 2011, 36, 4323-4331.	7.1	64
164	Chemotaxis to the Quorum-Sensing Signal AI-2 Requires the Tsr Chemoreceptor and the Periplasmic LsrB AI-2-Binding Protein. Journal of Bacteriology, 2011, 193, 768-773.	2.2	118
165	Structure of the Escherichia coli Antitoxin MqsA (YgiT/b3021) Bound to Its Gene Promoter Reveals Extensive Domain Rearrangements and the Specificity of Transcriptional Regulation. Journal of Biological Chemistry, 2011, 286, 2285-2296.	3.4	62
166	LuxS Coexpression Enhances Yields of Recombinant Proteins in <i>Escherichia coli</i> in Part through Posttranscriptional Control of GroEL. Applied and Environmental Microbiology, 2011, 77, 2141-2152.	3.1	18
167	Controlling biofilm formation, prophage excision and cell death by rewiring global regulator Hâ€NS of <i>Escherichia coli</i>. Microbial Biotechnology, 2010, 3, 344-356.	4.2	66
168	Engineering global regulator Hha of<i>Escherichia coli</i>to control biofilm dispersal. Microbial Biotechnology, 2010, 3, 717-728.	4.2	52
169	Photoelectrochemical hydrogen production from water/methanol decomposition using Ag/TiO2 nanocomposite thin films. International Journal of Hydrogen Energy, 2010, 35, 11768-11775.	7.1	114
170	<i>Escherichia coli</i> toxin/antitoxin pair MqsR/MqsA regulate toxin CspD. Environmental Microbiology, 2010, 12, 1105-1121.	3.8	147
171	The bacterial signal indole increases epithelial-cell tight-junction resistance and attenuates indicators of inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 228-233.	7.1	660
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