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	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
2	Cryptic prophages help bacteria cope with adverse environments. Nature Communications, 2010, 1, 147.	12.8	560
3	Bacterial Persister Cell Formation and Dormancy. Applied and Environmental Microbiology, 2013, 79, 7116-7121.	3.1	506
4	Autoinducer 2 Controls Biofilm Formation in Escherichia coli through a Novel Motility Quorum-Sensing Regulator (MqsR, B3022). Journal of Bacteriology, 2006, 188, 305-316.	2.2	478
5	Roles of Indole as an Interspecies and Interkingdom Signaling Molecule. Trends in Microbiology, 2015, 23, 707-718.	7.7	396
6	Indole is an inter-species biofilm signal mediated by SdiA. BMC Microbiology, 2007, 7, 42.	3.3	388
7	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
8	Connecting Quorum Sensing, c-di-GMP, Pel Polysaccharide, and Biofilm Formation in Pseudomonas aeruginosa through Tyrosine Phosphatase TpbA (PA3885). PLoS Pathogens, 2009, 5, e1000483.	4.7	304
9	Inhibition of biofilm formation and swarming of Escherichia coli by (5Z)-4-bromo-5-(bromomethylene)-3-butyl-2(5H)-furanone. Environmental Microbiology, 2001, 3, 731-736.	3.8	301
10	Differential Effects of Epinephrine, Norepinephrine, and Indole on Escherichia coli O157:H7 Chemotaxis, Colonization, and Gene Expression. Infection and Immunity, 2007, 75, 4597-4607.	2.2	300
11	Motility influences biofilm architecture in Escherichia coli. Applied Microbiology and Biotechnology, 2006, 72, 361-367.	3.6	286
12	Arrested Protein Synthesis Increases Persister-Like Cell Formation. Antimicrobial Agents and Chemotherapy, 2013, 57, 1468-1473.	3.2	286
13	Temporal gene-expression in Escherichia coli K-12 biofilms. Environmental Microbiology, 2007, 9, 332-346.	3.8	283
14	Bacterial Quorum Sensing: Signals, Circuits, and Implications for Biofilms and Disease. Annual Review of Biomedical Engineering, 2008, 10, 145-167.	12.3	281
15	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
16	Engineering Plant-Microbe Symbiosis for Rhizoremediation of Heavy Metals. Applied and Environmental Microbiology, 2006, 72, 1129-1134.	3.1	261
17	Quorum quenching quandary: resistance to antivirulence compounds. ISME Journal, 2012, 6, 493-501.	9.8	254
18	Toxins Hha and CspD and small RNA regulator Hfq are involved in persister cell formation through MqsR in Escherichia coli. Biochemical and Biophysical Research Communications, 2010, 391, 209-213.	2.1	225

#	Article	IF	Citations
19	YliH (BssR) and YceP (BssS) Regulate Escherichia coli K-12 Biofilm Formation by Influencing Cell Signaling. Applied and Environmental Microbiology, 2006, 72, 2449-2459.	3.1	215
20	Indole and 7â€hydroxyindole diminish Pseudomonas aeruginosa virulence. Microbial Biotechnology, 2009, 2, 75-90.	4.2	214
21	Differential Gene Expression for Investigation of Escherichia coli Biofilm Inhibition by Plant Extract Ursolic Acid. Applied and Environmental Microbiology, 2005, 71, 4022-4034.	3.1	208
22	Differential gene expression shows natural brominated furanones interfere with the autoinducer-2 bacterial signaling system ofEscherichia coli. Biotechnology and Bioengineering, 2004, 88, 630-642.	3.3	205
23	Antitoxin MqsA helps mediate the bacterial general stress response. Nature Chemical Biology, 2011, 7, 359-366.	8.0	201
24	Quorum Sensing in Escherichia coli Is Signaled by AI-2/LsrR: Effects on Small RNA and Biofilm Architecture. Journal of Bacteriology, 2007, 189, 6011-6020.	2.2	200
25	YdgG (TqsA) Controls Biofilm Formation inEscherichia coliK-12 through Autoinducer 2 Transport. Journal of Bacteriology, 2006, 188, 587-598.	2.2	192
26	YcfR (BhsA) Influences Escherichia coli Biofilm Formation through Stress Response and Surface Hydrophobicity. Journal of Bacteriology, 2007, 189, 3051-3062.	2.2	187
27	The natural furanone (5Z)-4-bromo-5-(bromomethylene)-3-butyl-2(5H)-furanone disrupts quorum sensing-regulated gene expression in Vibrio harveyi by decreasing the DNA-binding activity of the transcriptional regulator protein luxR. Environmental Microbiology, 2007, 9, 2486-2495.	3.8	184
28	Enterohemorrhagic Escherichia coli Biofilms Are Inhibited by 7-Hydroxyindole and Stimulated by Isatin. Applied and Environmental Microbiology, 2007, 73, 4100-4109.	3.1	175
29	Insights on Escherichia coli biofilm formation and inhibition from wholeâ€transcriptome profiling. Environmental Microbiology, 2009, 11, 1-15.	3.8	175
30	Viable but nonâ€culturable and persistence describe the same bacterial stress state. Environmental Microbiology, 2018, 20, 2038-2048.	3.8	175
31	Quorum Sensing-Disrupting Brominated Furanones Protect the Gnotobiotic Brine Shrimp Artemia franciscana from Pathogenic Vibrio harveyi, Vibrio campbellii, and Vibrio parahaemolyticus Isolates. Applied and Environmental Microbiology, 2006, 72, 6419-6423.	3.1	169
32	Role of quorum sensing in bacterial infections. World Journal of Clinical Cases, 2015, 3, 575.	0.8	168
33	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
34	Directed Evolution of Toluene ortho-Monooxygenase for Enhanced 1-Naphthol Synthesis and Chlorinated Ethene Degradation. Journal of Bacteriology, 2002, 184, 344-349.	2.2	159
35	Toxin-Antitoxin Systems in Escherichia coli Influence Biofilm Formation through YjgK (TabA) and Fimbriae. Journal of Bacteriology, 2009, 191, 1258-1267.	2.2	159
36	Three Dimensional Structure of the MqsR:MqsA Complex: A Novel TA Pair Comprised of a Toxin Homologous to RelE and an Antitoxin with Unique Properties. PLoS Pathogens, 2009, 5, e1000706.	4.7	159

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37	Combatting bacterial infections by killing persister cells with mitomycin <scp>C</scp>. Environmental Microbiology, 2015, 17, 4406-4414.	3.8	154
38	Synthetic quorum-sensing circuit to control consortial biofilm formation and dispersal in a microfluidic device. Nature Communications, 2012, 3, 613.	12.8	152
39	Enhanced hydrogen production from glucose by metabolically engineered Escherichia coli. Applied Microbiology and Biotechnology, 2007, 77, 879-890.	3.6	151
40	Evolution of Resistance to Quorum-Sensing Inhibitors. Microbial Ecology, 2014, 68, 13-23.	2.8	151
41	Escherichia coli toxin/antitoxin pair MqsR/MqsA regulate toxin CspD. Environmental Microbiology, 2010, 12, 1105-1121.	3.8	147
42	Metabolic engineering to enhance bacterial hydrogen production. Microbial Biotechnology, 2008, 1, 30-39.	4.2	146
43	Uracil influences quorum sensing and biofilm formation in Pseudomonas aeruginosa and fluorouracil is an antagonist. Microbial Biotechnology, 2009, 2, 62-74.	4.2	139
44	Rhizoremediation of Trichloroethylene by a Recombinant, Root-Colonizing Pseudomonas fluorescens Strain Expressing Toluene ortho -Monooxygenase Constitutively. Applied and Environmental Microbiology, 1998, 64, 112-118.	3.1	139
45	Bacterial persistence increases as environmental fitness decreases. Microbial Biotechnology, 2012, 5, 509-522.	4.2	137
46	Aerobic degradation of tetrachloroethylene by toluene-o-xylene monooxygenase of Pseudomonas stutzeri OX1. Nature Biotechnology, 2000, 18, 775-778.	17.5	132
47	OmpA influences Escherichia coli biofilm formation by repressing cellulose production through the CpxRA twoâ€component system. Environmental Microbiology, 2009, 11, 2735-2746.	3.8	132
48	Electricity from methane by reversing methanogenesis. Nature Communications, 2017, 8, 15419.	12.8	127
49	Metabolically engineered bacteria for producing hydrogen via fermentation. Microbial Biotechnology, 2008, 1, 107-125.	4.2	126
50	Oxidation of Benzene to Phenol, Catechol, and 1,2,3-Trihydroxybenzene by Toluene 4-Monooxygenase of Pseudomonas mendocina KR1 and Toluene 3-Monooxygenase of Ralstonia pickettii PKO1. Applied and Environmental Microbiology, 2004, 70, 3814-3820.	3.1	122
51	Inhibition of biofilm formation and swarming of Bacillus subtilis by (5Z)-4-bromo-5-(bromomethylene)-3-butyl-2(5H)-furanone. Letters in Applied Microbiology, 2002, 34, 293-299.	2.2	120
52	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
53	Reversing methanogenesis to capture methane for liquid biofuel precursors. Microbial Cell Factories, 2016, 15, 11.	4.0	116
54	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

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55	Protein engineering of toluene ortho-monooxygenase of Burkholderia cepacia G4 for regiospecific hydroxylation of indole to form various indigoid compounds. Applied Microbiology and Biotechnology, 2005, 66, 422-429.	3.6	111
56	Indole cell signaling occurs primarily at low temperatures in Escherichia coli. ISME Journal, 2008, 2, 1007-1023.	9.8	111
57	Engineering biofilm formation and dispersal. Trends in Biotechnology, 2011, 29, 87-94.	9.3	111
58	A Survey of Bacterial Diversity From Successive Life Stages of Black Soldier Fly (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (S	1.8	111
59	A Primary Physiological Role of Toxin/Antitoxin Systems Is Phage Inhibition. Frontiers in Microbiology, 2020, 11, 1895.	3.5	111
60	Resistance to Quorum-Quenching Compounds. Applied and Environmental Microbiology, 2013, 79, 6840-6846.	3.1	108
61	Reconfiguring the Quorum-Sensing Regulator SdiA of Escherichia coli To Control Biofilm Formation via Indole and N -Acylhomoserine Lactones. Applied and Environmental Microbiology, 2009, 75, 1703-1716.	3.1	106
62	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
63	Toxin-Antitoxin Systems in Clinical Pathogens. Toxins, 2016, 8, 227.	3.4	105
64	Persistence Increases in the Absence of the Alarmone Guanosine Tetraphosphate by Reducing Cell Growth. Scientific Reports, 2016, 6, 20519.	3.3	105
65	Aerobic biodegradation of N-nitrosodimethylamine (NDMA) by axenic bacterial strains. Biotechnology and Bioengineering, 2005, 89, 608-618.	3.3	102
66	Environmental factors affecting indole production in Escherichia coli. Research in Microbiology, 2011, 162, 108-116.	2.1	102
67	Protein Translation and Cell Death: The Role of Rare tRNAs in Biofilm Formation and in Activating Dormant Phage Killer Genes. PLoS ONE, 2008, 3, e2394.	2.5	102
68	A naturally occurring brominated furanone covalently modifies and inactivates LuxS. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6200-6204.	2.2	101
69	Proteus mirabilis interkingdom swarming signals attract blow flies. ISME Journal, 2012, 6, 1356-1366.	9.8	101
70	The HigB/HigA toxin/antitoxin system of Pseudomonas aeruginosa influences the virulence factors pyochelin, pyocyanin, and biofilm formation. MicrobiologyOpen, 2016, 5, 499-511.	3.0	101
71	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
72	Combatting bacterial persister cells. Biotechnology and Bioengineering, 2016, 113, 476-483.	3.3	100

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73	An Inducible Propane Monooxygenase Is Responsible for N -Nitrosodimethylamine Degradation by Rhodococcus sp. Strain RHA1. Applied and Environmental Microbiology, 2007, 73, 6930-6938.	3.1	98
74	Control and benefits of CP4-57 prophage excision in Escherichia coli biofilms. ISME Journal, 2009, 3, 1164-1179.	9.8	98
75	An evolved Escherichia coli strain for producing hydrogen and ethanol from glycerol. Biochemical and Biophysical Research Communications, 2010, 391, 1033-1038.	2.1	98
76	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
77	Hha, YbaJ, and OmpA regulateEscherichia coli K12 biofilm formation and conjugation plasmids abolish motility. Biotechnology and Bioengineering, 2006, 93, 188-200.	3.3	96
78	The importance of live biofilms in corrosion protection. Corrosion Science, 2005, 47, 279-287.	6.6	95
79	A metagenomic assessment of the bacteria associated with Lucilia sericata and Lucilia cuprina (Diptera:) Tj ETQq1 1 0.784314 rgBT /Ove	3.6	95
80	DNAâ€crosslinker cisplatin eradicates bacterial persister cells. Biotechnology and Bioengineering, 2016, 113, 1984-1992.	3.3	95
81	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
82	Stationary-Phase Quorum-Sensing Signals Affect Autoinducer-2 and Gene Expression in Escherichia coli. Applied and Environmental Microbiology, 2004, 70, 2038-2043.	3.1	94
83	Single cell observations show persister cells wake based on ribosome content. Environmental Microbiology, 2018, 20, 2085-2098.	3.8	94
84	Resistance to the quorum-quenching compounds brominated furanone C-30 and 5-fluorouracil inPseudomonas aeruginosaclinical isolates. Pathogens and Disease, 2013, 68, 8-11.	2.0	93
85	Protein acetylation in prokaryotes increases stress resistance. Biochemical and Biophysical Research Communications, 2011, 410, 846-851.	2.1	92
86	Molecular approaches in bioremediation. Current Opinion in Biotechnology, 2008, 19, 572-578.	6.6	91
87	Escherichia coli hydrogenase 3 is a reversible enzyme possessing hydrogen uptake and synthesis activities. Applied Microbiology and Biotechnology, 2007, 76, 1035-1042.	3.6	90
88	Structure and Function of the Escherichia coli Protein YmgB: A Protein Critical for Biofilm Formation and Acid-resistance. Journal of Molecular Biology, 2007, 373, 11-26.	4.2	89
89	Toxin <scp>YafQ</scp> increases persister cell formation by reducing indole signalling. Environmental Microbiology, 2015, 17, 1275-1285.	3.8	88
90	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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91	Antitoxin MqsA Represses Curli Formation Through the Master Biofilm Regulator CsgD. Scientific Reports, 2013, 3, 3186.	3.3	83
92	Bacteria Mediate Oviposition by the Black Soldier Fly, Hermetia illucens (L.), (Diptera: Stratiomyidae). Scientific Reports, 2013, 3, 2563.	3.3	83
93	Engineering a novel câ€diâ€GMPâ€binding protein for biofilm dispersal. Environmental Microbiology, 2011, 13, 631-642.	3.8	80
94	Halogenated indoles eradicate bacterial persister cells and biofilms. AMB Express, 2016, 6, 123.	3.0	80
95	Can resistance against quorum-sensing interference be selected?. ISME Journal, 2016, 10, 4-10.	9.8	80
96	Repurposing of Anticancer Drugs for the Treatment of Bacterial Infections. Current Topics in Medicinal Chemistry, 2017, 17, 1157-1176.	2.1	80
97	Protein Engineering of Epoxide Hydrolase from Agrobacterium radiobacter AD1 for Enhanced Activity and Enantioselective Production of (R)-1-Phenylethane-1,2-Diol. Applied and Environmental Microbiology, 2005, 71, 3995-4003.	3.1	79
98	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
99	Altering Toluene 4-Monooxygenase by Active-Site Engineering for the Synthesis of 3-Methoxycatechol, Methoxyhydroquinone, and Methylhydroquinone. Journal of Bacteriology, 2004, 186, 4705-4713.	2.2	76
100	Temporal regulation of enterohemorrhagic Escherichia coli virulence mediated by autoinducer-2. Applied Microbiology and Biotechnology, 2008, 78, 811-819.	3.6	76
101	Antibiotic-tolerant Staphylococcus aureus Biofilm Persists on Arthroplasty Materials. Clinical Orthopaedics and Related Research, 2016, 474, 1649-1656.	1.5	76
102	Saturation Mutagenesis of Toluene ortho-Monooxygenase of Burkholderia cepacia G4 for Enhanced 1-Naphthol Synthesis and Chloroform Degradation. Applied and Environmental Microbiology, 2004, 70, 3246-3252.	3.1	75
103	Gene expression inBacillus subtilis surface biofilms with and without sporulation and the importance ofyver for biofilm maintenance. Biotechnology and Bioengineering, 2004, 86, 344-364.	3.3	75
104	Phosphodiesterase DosP increases persistence by reducing cAMP which reduces the signal indole. Biotechnology and Bioengineering, 2015, 112, 588-600.	3.3	75
105	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
106	Aluminum- and mild steel-binding peptides from phage display. Applied Microbiology and Biotechnology, 2005, 68, 505-509.	3.6	72
107	Escherichia coli transcription factor YncC (McbR) regulates colanic acid and biofilm formation by repressing expression of periplasmic protein YbiM (McbA). ISME Journal, 2008, 2, 615-631.	9.8	72
108	Persistent Persister Misperceptions. Frontiers in Microbiology, 2016, 07, 2134.	3.5	72

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109	ppGpp ribosome dimerization model for bacterial persister formation and resuscitation. Biochemical and Biophysical Research Communications, 2020, 523, 281-286.	2.1	71
110	Pseudomonas aeruginosa PAO1 virulence factors and poplar tree response in the rhizosphere. Microbial Biotechnology, 2008, 1, 17-29.	4.2	69
111	Controlling the Regiospecific Oxidation of Aromatics via Active Site Engineering of Toluene para-Monooxygenase of Ralstonia pickettii PKO1. Journal of Biological Chemistry, 2005, 280, 506-514.	3.4	68
112	Antitoxin DinJ influences the general stress response through transcript stabilizer CspE. Environmental Microbiology, 2012, 14, 669-679.	3.8	68
113	Protein Engineering of Toluene-o-Xylene Monooxygenase from Pseudomonas stutzeri OX1 for Synthesizing 4-Methylresorcinol, Methylhydroquinone, and Pyrogallol. Applied and Environmental Microbiology, 2004, 70, 3253-3262.	3.1	67
114	Enantioconvergent production of (R)-1-phenyl-1,2-ethanediol from styrene oxide by combining theSolanum tuberosum and an evolvedAgrobacterium radiobacter AD1 epoxide hydrolases. Biotechnology and Bioengineering, 2006, 94, 522-529.	3.3	67
115	Controlling biofilm formation, prophage excision and cell death by rewiring global regulator Hâ€NS of Escherichia coli. Microbial Biotechnology, 2010, 3, 344-356.	4.2	66
116	The neuroendocrine hormone norepinephrine increases Pseudomonas aeruginosa PA14 virulence through the las quorum-sensing pathway. Applied Microbiology and Biotechnology, 2009, 84, 763-776.	3.6	65
117	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
118	Oxidation of Trichloroethylene, 1,1-Dichloroethylene, and Chloroform by Toluene/ o -Xylene Monooxygenase from Pseudomonas stutzeri OX1. Applied and Environmental Microbiology, 1998, 64, 3023-3024.	3.1	65
119	Rhizosphere Competitiveness of Trichloroethylene-Degrading, Poplar-Colonizing Recombinant Bacteria. Applied and Environmental Microbiology, 2000, 66, 4673-4678.	3.1	64
120	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
121	Toluene 3-Monooxygenase of Ralstonia pickettii PKO1 Is a para-Hydroxylating Enzyme. Journal of Bacteriology, 2004, 186, 3117-3123.	2.2	63
122	Identification of stress-related proteins inEscherichia coliusing the pollutantcis-dichloroethylene. Journal of Applied Microbiology, 2009, 108, 2088-102.	3.1	63
123	An oxygen-sensitive toxinâ€"antitoxin system. Nature Communications, 2016, 7, 13634.	12.8	63
124	5-Fluorouracil reduces biofilm formation in Escherichia coli K-12 through global regulator AriR as an antivirulence compound. Applied Microbiology and Biotechnology, 2009, 82, 525-533.	3.6	62
125	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
126	Hydrogen production by recombinant Escherichia coli strains. Microbial Biotechnology, 2012, 5, 214-225.	4.2	62

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127	(p)ppGpp and Its Role in Bacterial Persistence: New Challenges. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	62
128	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
129	A microfluidic device for high throughput bacterial biofilm studies. Lab on A Chip, 2012, 12, 1157.	6.0	60
130	Active Site Engineering of the Epoxide Hydrolase from Agrobacterium radiobacter AD1 to Enhance Aerobic Mineralization of cis-1,2-Dichloroethylene in Cells Expressing an Evolved Toluene ortho-Monooxygenase. Journal of Biological Chemistry, 2004, 279, 46810-46817.	3.4	59
131	Quorum-sensing antagonist (5Z)-4-bromo-5-(bromomethylene)-3-butyl-2(5H)-furanone influences siderophore biosynthesis in Pseudomonas putida and Pseudomonas aeruginosa. Applied Microbiology and Biotechnology, 2005, 66, 689-695.	3.6	59
132	Strategies for combating persister cell and biofilm infections. Microbial Biotechnology, 2017, 10, 1054-1056.	4.2	59
133	Rhamnolipids from Pseudomonas aeruginosa disperse the biofilms of sulfate-reducing bacteria. Npj Biofilms and Microbiomes, 2018, 4, 22.	6.4	59
134	Pyocyanin Restricts Social Cheating in Pseudomonas aeruginosa. Frontiers in Microbiology, 2018, 9, 1348.	3.5	59
135	Inhibition ofBacillus anthracisGrowth and Virulenceâ€Gene Expression by Inhibitors of Quorumâ€Sensing. Journal of Infectious Diseases, 2005, 191, 1881-1888.	4.0	58
136	CO2 sequestration by methanogens in activated sludge for methane production. Applied Energy, 2015, 142, 426-434.	10.1	58
137	Cryptic prophages as targets for drug development. Drug Resistance Updates, 2016, 27, 30-38.	14.4	58
138	Type VII Toxin/Antitoxin Classification System for Antitoxins that Enzymatically Neutralize Toxins. Trends in Microbiology, 2021, 29, 388-393.	7.7	58
139	Isolation and characterization of gallium resistant Pseudomonas aeruginosa mutants. International Journal of Medical Microbiology, 2013, 303, 574-582.	3.6	57
140	YeeO fromEscherichia coliexports flavins. Bioengineered, 2014, 5, 386-392.	3.2	57
141	High variability in quorum quenching and growth inhibition by furanone C-30 inPseudomonas aeruginosaclinical isolates from cystic fibrosis patients. Pathogens and Disease, 2015, 73, ftv040.	2.0	57
142	Toxin/Antitoxin System Paradigms: Toxins Bound to Antitoxins Are Not Likely Activated by Preferential Antitoxin Degradation. Advanced Biology, 2020, 4, e1900290.	3.0	57
143	Effect of chemically-induced, cloned-gene expression on protein synthesis inE. Coli. Biotechnology and Bioengineering, 1991, 38, 397-412.	3.3	56
144	Differential Gene Expression To Investigate the Effect of (5Z)-4-Bromo- 5-(Bromomethylene)-3-Butyl-2() Tj ETQq0 0 0 rgBT /Overlock 10	3.1	56

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145	Inhibition of hydrogen uptake in Escherichia coli by expressing the hydrogenase from the cyanobacterium Synechocystis sp. PCC 6803. BMC Biotechnology, 2007, 7, 25.	3.3	56
146	Indole: An evolutionarily conserved influencer of behavior across kingdoms. BioEssays, 2017, 39, 1600203.	2.5	56
147	Persister Cells Resuscitate Using Membrane Sensors that Activate Chemotaxis, Lower cAMP Levels, and Revive Ribosomes. IScience, 2020, 23, 100792.	4.1	56
148	Corrosion control using regenerative biofilms (CCURB) on brass in different media. Corrosion Science, 2002, 44, 2291-2302.	6.6	55
149	Metabolic engineering of Escherichia coli to enhance hydrogen production from glycerol. Applied Microbiology and Biotechnology, 2014, 98, 4757-4770.	3.6	55
150	The <scp>MqsR</scp>/<scp>MqsA</scp> toxin/antitoxin system protects <scp>E</scp>scherichia coli during bile acid stress. Environmental Microbiology, 2015, 17, 3168-3181.	3.8	55
151	A stochastic model of Escherichia coli AIâ€2 quorum signal circuit reveals alternative synthesis pathways. Molecular Systems Biology, 2006, 2, 67.	7.2	53
152	PA2663 (PpyR) increases biofilm formation in Pseudomonas aeruginosa PAO1 through the psl operon and stimulates virulence and quorum-sensing phenotypes. Applied Microbiology and Biotechnology, 2008, 78, 293-307.	3.6	53
153	The R1 Conjugative Plasmid Increases Escherichia coli Biofilm Formation through an Envelope Stress Response. Applied and Environmental Microbiology, 2008, 74, 2690-2699.	3.1	53
154	Protein engineering of hydrogenase 3 to enhance hydrogen production. Applied Microbiology and Biotechnology, 2008, 79, 77-86.	3.6	52
155	Engineering global regulator Hha ofEscherichia colito control biofilm dispersal. Microbial Biotechnology, 2010, 3, 717-728.	4.2	52
156	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
157	2,4-Dichlorophenol Degradation Using Streptomyces viridosporus T7A Lignin Peroxidase. Biotechnology Progress, 1997, 13, 53-59.	2.6	51
158	Inhibiting mild steel corrosion from sulfate-reducing and iron-oxidizing bacteria using gramicidin-S-producing biofilms. Applied Microbiology and Biotechnology, 2004, 65, 747-753.	3.6	51
159	Interference with the quorum sensing systems in a Vibrio harveyi strain alters the growth rate of gnotobiotically cultured rotifer Brachionus plicatilis. Journal of Applied Microbiology, 2007, 103, 194-203.	3.1	50
160	Forming and waking dormant cells: The ppGpp ribosome dimerization persister model. Biofilm, 2020, 2, 100018.	3.8	49
161	Characterization of axenic Pseudomonas fragi and Escherichia coli biofilms that inhibit corrosion of SAE 1018 steel. Journal of Applied Microbiology, 1998, 84, 485-492.	3.1	48
162	Pitting corrosion control using regenerative biofilms on aluminium 2024 in artificial seawater. Corrosion Science, 2001, 43, 2121-2133.	6.6	48

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163	Protein engineering of toluene 4-monooxygenase ofPseudomonas mendocina KR1 for synthesizing 4-nitrocatechol from nitrobenzene. Biotechnology and Bioengineering, 2004, 87, 779-790.	3.3	48
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