Thomas K Wood

List of Publications by Year in Descending Order

306 papers	18,140 citations	76 h-index	119 g-index
325 ext. papers	21,257 ext. citations	5.8 avg, IF	7.21 L-index

#	Paper	IF	Citations
306	The role of PemIK (PemK/PemI) type II TA system from Klebsiella pneumoniae clinical strains in lytic phage infection.. *Scientific Reports*, **2022**, 12, 4488	4.9	2
305	Escherichia coli cryptic prophages sense nutrients to influence persister cell resuscitation. *Environmental Microbiology*, **2021**, 23, 7245-7254	5.2	0
304	Viable but non-culturable cells are dead. *Environmental Microbiology*, **2021**, 23, 2335-2338	5.2	12
303	Mostly dead and all dead: response to what do we mean by viability in terms of "viable but non-culturable cells". *Environmental Microbiology Reports*, **2021**, 13, 253-254	3.7	0
302	Waiting for Godot: response to How dead is dead? Viable but non-culturable versus persister cells. *Environmental Microbiology Reports*, **2021**, 13, 246-247	3.7	0
301	Emerging applications of bacteria as antitumor agents. *Seminars in Cancer Biology*, **2021**,	12.7	17
300	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,	11.5	9
299	Are we really studying persister cells?. *Environmental Microbiology Reports*, **2021**, 13, 3-7	3.7	11
298	Type VII Toxin/Antitoxin Classification System for Antitoxins that Enzymatically Neutralize Toxins. *Trends in Microbiology*, **2021**, 29, 388-393	12.4	20
297	Concerns with computational protein engineering programmes IPRO and OptMAVEn and metabolic pathway engineering programme optStoic. *Open Biology*, **2021**, 11, 200173	7	
296	Persister Cells Form in the Plant Pathogen subsp. under Different Stress Conditions. *Microorganisms*, **2021**, 9,	4.9	4
295	The Primary Physiological Roles of Autoinducer 2 in Are Chemotaxis and Biofilm Formation. *Microorganisms*, **2021**, 9,	4.9	2
294	Vibrio splendidus persister cells induced by host coelomic fluids show a similar phenotype to antibiotic-induced counterparts. *Environmental Microbiology*, **2021**, 23, 5605-5620	5.2	1
293	Conjugative plasmid-encoded toxin-antitoxin system PrpT/PrpA directly controls plasmid copy number. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
292	Toxin/Antitoxin System Paradigms: Toxins Bound to Antitoxins Are Not Likely Activated by Preferential Antitoxin Degradation. *Advanced Biology*, **2020**, 4, e1900290	3.5	32
291	ppGpp ribosome dimerization model for bacterial persister formation and resuscitation. *Biochemical and Biophysical Research Communications*, **2020**, 523, 281-286	3.4	38
290	Forming and waking dormant cells: The ppGpp ribosome dimerization persister model. *Biofilm*, **2020**, 2, 100018	5.9	28

289	Persister cells resuscitate via ribosome modification by 23S rRNA pseudouridine synthase RluD. *Environmental Microbiology*, **2020**, 22, 850-857	5.2	11
288	Persister Cells Resuscitate Using Membrane Sensors that Activate Chemotaxis, Lower cAMP Levels, and Revive Ribosomes. *IScience*, **2020**, 23, 100792	6.1	33
287	Novel polyadenylylation-dependent neutralization mechanism of the HEPN/MNT toxin/antitoxin system. *Nucleic Acids Research*, **2020**, 48, 11054-11067	20.1	9
286	Combatting Persister Cells With Substituted Indoles. *Frontiers in Microbiology*, **2020**, 11, 1565	5.7	10
285	(p)ppGpp and Its Role in Bacterial Persistence: New Challenges. *Antimicrobial Agents and Chemotherapy*, **2020**, 64,	5.9	21
284	A Primary Physiological Role of Toxin/Antitoxin Systems Is Phage Inhibition. *Frontiers in Microbiology*, **2020**, 11, 1895	5.7	41
283	Mechanisms of Tolerance and Resistance to Chlorhexidine in Clinical Strains of Producers of Carbapenemase: Role of New Type II Toxin-Antitoxin System, PemIK. *Toxins*, **2020**, 12,	4.9	6
282	Copper Kills Persister Cells. *Antibiotics*, **2020**, 9,	4.9	4
281	Toxins of toxin/antitoxin systems are inactivated primarily through promoter mutations. *Journal of Applied Microbiology*, **2019**, 127, 1859-1868	4.7	4
280	Resistance to oxidative stress by inner membrane protein ElaB is regulated by OxyR and RpoS. *Microbial Biotechnology*, **2019**, 12, 392-404	6.3	10
279	Pseudogene YdfW in Escherichia coli decreases hydrogen production through nitrate respiration pathways. *International Journal of Hydrogen Energy*, **2019**, 44, 16212-16223	6.7	2
278	Identification of a potent indigoid persister antimicrobial by screening dormant cells. *Biotechnology and Bioengineering*, **2019**, 116, 2263-2274	4.9	14
277	-Dependent regulator DVU2956 switches Desulfovibrio vulgaris from biofilm formation to planktonic growth and regulates hydrogen sulfide production. *Environmental Microbiology*, **2019**, 21, 3564-3576	5.2	10
276	Phages Mediate Bacterial Self-Recognition. *Cell Reports*, **2019**, 27, 737-749.e4	10.6	16
275	Ribosome dependence of persister cell formation and resuscitation. *Journal of Microbiology*, **2019**, 57, 213-219	3	23
274	Symbiosis of a P2-family phage and deep-sea Shewanella putrefaciens. *Environmental Microbiology*, **2019**, 21, 4212-4232	5.2	4
273	Precedence for the Role of Indole with Pathogens. *MBio*, **2019**, 10,	7.8	3
272	Interkingdom signal indole inhibits Pseudomonas aeruginosa persister cell waking. *Journal of Applied Microbiology*, **2019**, 127, 1768-1775	4.7	16

271	Seeding Public Goods Is Essential for Maintaining Cooperation in. *Frontiers in Microbiology*, **2019**, 10, 2322	5.7	3
270	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	5.7	15
269	Viable bacteria persist on antibiotic spacers following two-stage revision for periprosthetic joint infection. *Journal of Orthopaedic Research*, **2018**, 36, 452-458	3.8	30
268	Viable but non-culturable and persistence describe the same bacterial stress state. *Environmental Microbiology*, **2018**, 20, 2038-2048	5.2	104
267	GhoT of the GhoT/GhoS toxin/antitoxin system damages lipid membranes by forming transient pores. *Biochemical and Biophysical Research Communications*, **2018**, 497, 467-472	3.4	6
266	Glycoside hydrolase DisH from Desulfovibrio vulgaris degrades the N-acetylgalactosamine component of diverse biofilms. *Environmental Microbiology*, **2018**, 20, 2026-2037	5.2	10
265	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	5.7	19
264	Single cell observations show persister cells wake based on ribosome content. *Environmental Microbiology*, **2018**, 20, 2085-2098	5.2	60
263	Substrate Binding Protein DppA1 of ABC Transporter DppBCDF Increases Biofilm Formation in by Inhibiting Pf5 Prophage Lysis. *Frontiers in Microbiology*, **2018**, 9, 30	5.7	12
262	Serine Hydroxymethyltransferase ShrA (PA2444) Controls Rugose Small-Colony Variant Formation in. *Frontiers in Microbiology*, **2018**, 9, 315	5.7	7
261	Post-segregational Killing and Phage Inhibition Are Not Mediated by Cell Death Through Toxin/Antitoxin Systems. *Frontiers in Microbiology*, **2018**, 9, 814	5.7	59
260	Pyocyanin Restricts Social Cheating in. *Frontiers in Microbiology*, **2018**, 9, 1348	5.7	27
259	Quorum Sensing Systems and Persistence **2018**, 17-27		
258	Pseudogene product YqiG is important for expression and biohydrogen production in BW25113. *3 Biotech*, **2018**, 8, 435	2.8	1
257	Rhamnolipids from disperse the biofilms of sulfate-reducing bacteria. *Npj Biofilms and Microbiomes*, **2018**, 4, 22	8.2	33
256	Electron carriers increase electricity production in methane microbial fuel cells that reverse methanogenesis. *Biotechnology for Biofuels*, **2018**, 11, 211	7.8	19
255	Computational de novo design of antibodies binding to a peptide with high affinity. *Biotechnology and Bioengineering*, **2017**, 114, 1331-1342	4.9	19
254	Interkingdom Cues by Bacteria Associated with Conspecific and Heterospecific Eggs ofCochliomyia macellariaandChrysomya rufifacies(Diptera: Calliphoridae) Potentially Govern Succession on Carrion. *Annals of the Entomological Society of America*, **2017**, 110, 73-82	2	10

253	Tail-Anchored Inner Membrane Protein ElaB Increases Resistance to Stress While Reducing Persistence in Escherichia coli. *Journal of Bacteriology*, **2017**, 199,	3.5	14
252	Tolerant, Growing Cells from Nutrient Shifts Are Not Persister Cells. *MBio*, **2017**, 8,	7.8	28
251	Electricity from methane by reversing methanogenesis. *Nature Communications*, **2017**, 8, 15419	17.4	90
250	Indole: An evolutionarily conserved influencer of behavior across kingdoms. *BioEssays*, **2017**, 39, 1600203	4.1	25
249	A Genome-Scale Modeling Approach to Quantify Biofilm Component Growth of Salmonella Typhimurium. *Journal of Food Science*, **2017**, 82, 154-166	3.4	6
248	Dispersal and inhibitory roles of mannose, 2-deoxy-d-glucose and N-acetylgalactosaminidase on the biofilm of Desulfovibrio vulgaris. *Environmental Microbiology Reports*, **2017**, 9, 779-787	3.7	12
247	Strategies for combating persister cell and biofilm infections. *Microbial Biotechnology*, **2017**, 10, 1054-1056	6.9	42
246	Reactive micromixing eliminates fouling and concentration polarization in reverse osmosis membranes. *Journal of Membrane Science*, **2017**, 542, 8-17	9.6	27
245	Repurposing the anticancer drug mitomycin C for the treatment of persistent Acinetobacter baumannii infections. *International Journal of Antimicrobial Agents*, **2017**, 49, 88-92	14.3	45
244	Metabolic manipulation of methanogens for methane machinations. *Microbial Biotechnology*, **2017**, 10, 9-10	6.3	4
243	Metabolic engineering of Methanosarcina acetivorans for lactate production from methane. *Biotechnology and Bioengineering*, **2017**, 114, 852-861	4.9	33
242	Commentary: What Is the Link between Stringent Response, Endoribonuclease Encoding Type II Toxin-Antitoxin Systems and Persistence?. *Frontiers in Microbiology*, **2017**, 8, 191	5.7	24
241	Selection of Functional Quorum Sensing Systems by Lysogenic Bacteriophages in. *Frontiers in Microbiology*, **2017**, 8, 1669	5.7	20
240	Repurposing of Anticancer Drugs for the Treatment of Bacterial Infections. *Current Topics in Medicinal Chemistry*, **2017**, 17, 1157-1176	3	59
239	Exploiting Quorum Sensing Inhibition for the Control of Pseudomonas aeruginosa and Acinetobacter baumannii Biofilms. *Current Topics in Medicinal Chemistry*, **2017**, 17, 1915-1927	3	22
238	Can resistance against quorum-sensing interference be selected?. *ISME Journal*, **2016**, 10, 4-10	11.9	53
237	Streptomyces-derived actinomycin D inhibits biofilm formation by Staphylococcus aureus and its hemolytic activity. *Biofouling*, **2016**, 32, 45-56	3.3	23
236	Toxin MqsR cleaves single-stranded mRNA with various 5′ ends. *MicrobiologyOpen*, **2016**, 5, 370-7	3.4	5

235	Antibiotic-tolerant Staphylococcus aureus Biofilm Persists on Arthroplasty Materials. *Clinical Orthopaedics and Related Research*, **2016**, 474, 1649-56	2.2	56
234	Reversing methanogenesis to capture methane for liquid biofuel precursors. *Microbial Cell Factories*, **2016**, 15, 11	6.4	91
233	Assessing methanotrophy and carbon fixation for biofuel production by Methanosarcina acetivorans. *Microbial Cell Factories*, **2016**, 15, 10	6.4	26
232	Toxin YafQ Reduces Escherichia coli Growth at Low Temperatures. *PLoS ONE*, **2016**, 11, e0161577	3.7	4
231	Toxin-Antitoxin Systems in Clinical Pathogens. *Toxins*, **2016**, 8,	4.9	65
230	Persistent Persister Misperceptions. *Frontiers in Microbiology*, **2016**, 7, 2134	5.7	57
229	Cryptic prophages as targets for drug development. *Drug Resistance Updates*, **2016**, 27, 30-8	23.2	38
228	Combatting bacterial persister cells. *Biotechnology and Bioengineering*, **2016**, 113, 476-83	4.9	86
227	DNA-crosslinker cisplatin eradicates bacterial persister cells. *Biotechnology and Bioengineering*, **2016**, 113, 1984-92	4.9	72
226	Persistence Increases in the Absence of the Alarmone Guanosine Tetraphosphate by Reducing Cell Growth. *Scientific Reports*, **2016**, 6, 20519	4.9	76
225	An oxygen-sensitive toxin-antitoxin system. *Nature Communications*, **2016**, 7, 13634	17.4	37
224	Halogenated indoles eradicate bacterial persister cells and biofilms. *AMB Express*, **2016**, 6, 123	4.1	56
223	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	11.5	39
222	The HigB/HigA toxin/antitoxin system of Pseudomonas aeruginosa influences the virulence factors pyochelin, pyocyanin, and biofilm formation. *MicrobiologyOpen*, **2016**, 5, 499-511	3.4	54
221	Beneficial knockouts in Escherichia coli for producing hydrogen from glycerol. *Applied Microbiology and Biotechnology*, **2015**, 99, 2573-81	5.7	11
220	CO2 sequestration by methanogens in activated sludge for methane production. *Applied Energy*, **2015**, 142, 426-434	10.7	45
219	Metabolic engineering of Escherichia coli to enhance acetol production from glycerol. *Applied Microbiology and Biotechnology*, **2015**, 99, 7945-52	5.7	12
218	High variability in quorum quenching and growth inhibition by furanone C-30 in Pseudomonas aeruginosa clinical isolates from cystic fibrosis patients. *Pathogens and Disease*, **2015**, 73, ftv040	4.2	37

217	Combatting bacterial infections by killing persister cells with mitomycin C. *Environmental Microbiology*, **2015**, 17, 4406-14	5.2	106
216	Roles of indole as an interspecies and interkingdom signaling molecule. *Trends in Microbiology*, **2015**, 23, 707-718	12.4	249
215	The MqsR/MqsA toxin/antitoxin system protects Escherichia coli during bile acid stress. *Environmental Microbiology*, **2015**, 17, 3168-81	5.2	35
214	Toxin YafQ increases persister cell formation by reducing indole signalling. *Environmental Microbiology*, **2015**, 17, 1275-85	5.2	69
213	Phosphodiesterase DosP increases persistence by reducing cAMP which reduces the signal indole. *Biotechnology and Bioengineering*, **2015**, 112, 588-600	4.9	56
212	Methane oxidation by anaerobic archaea for conversion to liquid fuels. *Journal of Industrial Microbiology and Biotechnology*, **2015**, 42, 391-401	4.2	23
211	A metagenomic assessment of the bacteria associated with Lucilia sericata and Lucilia cuprina (Diptera: Calliphoridae). *Applied Microbiology and Biotechnology*, **2015**, 99, 869-83	5.7	70
210	Quorum sensing enhancement of the stress response promotes resistance to quorum quenching and prevents social cheating. *ISME Journal*, **2015**, 9, 115-25	11.9	106
209	Physiological Function of Rac Prophage During Biofilm Formation and Regulation of Rac Excision in Escherichia coli K-12. *Scientific Reports*, **2015**, 5, 16074	4.9	20
208	Role of quorum sensing in bacterial infections. *World Journal of Clinical Cases*, **2015**, 3, 575-98	1.6	119
207	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	3.7	10
206	An Integrated Modeling and Experimental Approach to Study the Influence of Environmental Nutrients on Biofilm Formation of Pseudomonas aeruginosa. *BioMed Research International*, **2015**, 2015, 506782	3	10
205	Orphan toxin OrtT (YdcX) of Escherichia coli reduces growth during the stringent response. *Toxins*, **2015**, 7, 299-321	4.9	10
204	Metabolic engineering of Escherichia coli to enhance hydrogen production from glycerol. *Applied Microbiology and Biotechnology*, **2014**, 98, 4757-70	5.7	50
203	Toxin GhoT of the GhoT/GhoS toxin/antitoxin system damages the cell membrane to reduce adenosine triphosphate and to reduce growth under stress. *Environmental Microbiology*, **2014**, 16, 1741-54	5.2	58
202	Evolution of resistance to quorum-sensing inhibitors. *Microbial Ecology*, **2014**, 68, 13-23	4.4	126
201	Indole inhibition of N-acylated homoserine lactone-mediated quorum signalling is widespread in Gram-negative bacteria. *Microbiology (United Kingdom)*, **2014**, 160, 2464-2473	2.9	26
200	McbR/YncC: implications for the mechanism of ligand and DNA binding by a bacterial GntR transcriptional regulator involved in biofilm formation. *Biochemistry*, **2014**, 53, 7223-31	3.2	18

199	Biofilm dispersal: deciding when it is better to travel. *Molecular Microbiology*, **2014**, 94, 747-50	4.1	11
198	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		
197	de novo synthesis of a bacterial toxin/antitoxin system. *Scientific Reports*, **2014**, 4, 4807	4.9	16
196	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	3.7	11
195	YeeO from Escherichia coli exports flavins. *Bioengineered*, **2014**, 5, 386-92	5.7	29
194	Polyphosphate, cyclic AMP, guanosine tetraphosphate, and c-di-GMP reduce in vitro Lon activity. *Bioengineered*, **2014**, 5, 264-8	5.7	30
193	RalR (a DNase) and RalA (a small RNA) form a type I toxin-antitoxin system in Escherichia coli. *Nucleic Acids Research*, **2014**, 42, 6448-62	20.1	76
192	The role of substrate binding pocket residues phenylalanine 176 and phenylalanine 196 on Pseudomonas sp. OX1 toluene o-xylene monooxygenase activity and regiospecificity. *Biotechnology and Bioengineering*, **2014**, 111, 1506-12	4.9	10
191	Gallium induces the production of virulence factors in Pseudomonas aeruginosa. *Pathogens and Disease*, **2014**, 70, 95-8	4.2	33
190	Backbone and sidechain (1)H, (15)N and (13)C assignments of Tyrosine Phosphatase related to Biofilm formation A (TpbA) of Pseudomonas aeruginosa. *Biomolecular NMR Assignments*, **2013**, 7, 57-9	0.7	1
189	Isolation and characterization of gallium resistant Pseudomonas aeruginosa mutants. *International Journal of Medical Microbiology*, **2013**, 303, 574-82	3.7	42
188	Ligand binding reduces conformational flexibility in the active site of tyrosine phosphatase related to biofilm formation A (TpbA) from Pseudomonasaeruginosa. *Journal of Molecular Biology*, **2013**, 425, 2219-31	6.5	15
187	Four products from Escherichia coli pseudogenes increase hydrogen production. *Biochemical and Biophysical Research Communications*, **2013**, 439, 576-9	3.4	9
186	Resistance to quorum-quenching compounds. *Applied and Environmental Microbiology*, **2013**, 79, 6840-6	4.8	79
185	Bacterial persister cell formation and dormancy. *Applied and Environmental Microbiology*, **2013**, 79, 7116-28	4.8	360
184	Arrested protein synthesis increases persister-like cell formation. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 1468-73	5.9	219
183	Antitoxin MqsA represses curli formation through the master biofilm regulator CsgD. *Scientific Reports*, **2013**, 3, 3186	4.9	65
182	A survey of bacterial diversity from successive life stages of black soldier fly (Diptera: Stratiomyidae) by using 16S rDNA pyrosequencing. *Journal of Medical Entomology*, **2013**, 50, 647-58	2.2	82

181	Type II toxin/antitoxin MqsR/MqsA controls type V toxin/antitoxin GhoT/GhoS. *Environmental Microbiology*, **2013**, 15, 1734-44	5.2	76
180	Influence of Escherichia coli hydrogenases on hydrogen fermentation from glycerol. *International Journal of Hydrogen Energy*, **2013**, 38, 3905-3912	6.7	32
179	Production of acetol from glycerol using engineered Escherichia coli. *Bioresource Technology*, **2013**, 149, 238-43	11	13
178	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	6.7	35
177	Resistance to the quorum-quenching compounds brominated furanone C-30 and 5-fluorouracil in Pseudomonas aeruginosa clinical isolates. *Pathogens and Disease*, **2013**, 68, 8-11	4.2	66
176	Precedence for the structural role of flagella in biofilms. *MBio*, **2013**, 4, e00225-13	7.8	6
175	Bacteria mediate oviposition by the black soldier fly, Hermetia illucens (L.), (Diptera: Stratiomyidae). *Scientific Reports*, **2013**, 3, 2563	4.9	57
174	A systems-level approach for investigating Pseudomonas aeruginosa biofilm formation. *PLoS ONE*, **2013**, 8, e57050	3.7	21
173	Hydrogen production by recombinant Escherichia coli strains. *Microbial Biotechnology*, **2012**, 5, 214-25	6.3	50
172	Bacterial persistence increases as environmental fitness decreases. *Microbial Biotechnology*, **2012**, 5, 509-22	6.3	101
171	Interkingdom adenosine signal reduces Pseudomonas aeruginosa pathogenicity. *Microbial Biotechnology*, **2012**, 5, 560-72	6.3	10
170	Antitoxin DinJ influences the general stress response through transcript stabilizer CspE. *Environmental Microbiology*, **2012**, 14, 669-79	5.2	62
169	Human intestinal epithelial cell-derived molecule(s) increase enterohemorrhagic Escherichia coli virulence. *FEMS Immunology and Medical Microbiology*, **2012**, 66, 399-410		7
168	A new type V toxin-antitoxin system where mRNA for toxin GhoT is cleaved by antitoxin GhoS. *Nature Chemical Biology*, **2012**, 8, 855-61	11.7	221
167	Uncharacterized Escherichia coli proteins YdjA and YhjY are related to biohydrogen production. *International Journal of Hydrogen Energy*, **2012**, 37, 17778-17787	6.7	24
166	Interkingdom responses of flies to bacteria mediated by fly physiology and bacterial quorum sensing. *Animal Behaviour*, **2012**, 84, 1449-1456	2.8	64
165	Proteus mirabilis interkingdom swarming signals attract blow flies. *ISME Journal*, **2012**, 6, 1356-66	11.9	78
164	A microfluidic device for high throughput bacterial biofilm studies. *Lab on A Chip*, **2012**, 12, 1157-63	7.2	52

163	Quorum quenching quandary: resistance to antivirulence compounds. *ISME Journal*, **2012**, 6, 493-501	11.9	202
162	Indole production promotes Escherichia coli mixed-culture growth with Pseudomonas aeruginosa by inhibiting quorum signaling. *Applied and Environmental Microbiology*, **2012**, 78, 411-9	4.8	85
161	Synthetic quorum-sensing circuit to control consortial biofilm formation and dispersal in a microfluidic device. *Nature Communications*, **2012**, 3, 613	17.4	123
160	Escherichia coli BdcA controls biofilm dispersal in Pseudomonas aeruginosa and Rhizobium meliloti. *BMC Research Notes*, **2011**, 4, 447	2.3	33
159	Antitoxin MqsA helps mediate the bacterial general stress response. *Nature Chemical Biology*, **2011**, 7, 359-66	11.7	176
158	Protein acetylation in prokaryotes increases stress resistance. *Biochemical and Biophysical Research Communications*, **2011**, 410, 846-51	3.4	56
157	Environmental factors affecting indole production in Escherichia coli. *Research in Microbiology*, **2011**, 162, 108-16	4	81
156	Engineering a novel c-di-GMP-binding protein for biofilm dispersal. *Environmental Microbiology*, **2011**, 13, 631-42	5.2	64
155	IS5 inserts upstream of the master motility operon flhDC in a quasi-Lamarckian way. *ISME Journal*, **2011**, 5, 1517-25	11.9	36
154	Engineering biofilm formation and dispersal. *Trends in Biotechnology*, **2011**, 29, 87-94	15.1	98
153	Transcriptomic analysis for genetic mechanisms of the factors related to biofilm formation in Escherichia coli O157:H7. *Current Microbiology*, **2011**, 62, 1321-30	2.4	27
152	GGDEF proteins YeaI, YedQ, and YfiN reduce early biofilm formation and swimming motility in Escherichia coli. *Applied Microbiology and Biotechnology*, **2011**, 90, 651-8	5.7	41
151	Fiber optic monooxygenase biosensor for toluene concentration measurement in aqueous samples. *Biosensors and Bioelectronics*, **2011**, 26, 2407-12	11.8	18
150	Toxin-antitoxin systems influence biofilm and persister cell formation and the general stress response. *Applied and Environmental Microbiology*, **2011**, 77, 5577-83	4.8	308
149	Escherichia coli hydrogenase activity and H2 production under glycerol fermentation at a low pH. *International Journal of Hydrogen Energy*, **2011**, 36, 4323-4331	6.7	59
148	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, 768-73	3.5	91
147	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, 2285-96	5.4	49
146	LuxS coexpression enhances yields of recombinant proteins in Escherichia coli in part through posttranscriptional control of GroEL. *Applied and Environmental Microbiology*, **2011**, 77, 2141-52	4.8	16

145	Escherichia coli toxin/antitoxin pair MqsR/MqsA regulate toxin CspD. *Environmental Microbiology*, **2010**, 12, 1105-21	5.2	125
144	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, 228-33	11.5	450
143	Role of luxS in Bacillus anthracis growth and virulence factor expression. *Virulence*, **2010**, 1, 72-83	4.7	24
142	Cryptic prophages help bacteria cope with adverse environments. *Nature Communications*, **2010**, 1, 147	17.4	370
141	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, 209-13	3.4	183
140	An evolved Escherichia coli strain for producing hydrogen and ethanol from glycerol. *Biochemical and Biophysical Research Communications*, **2010**, 391, 1033-8	3.4	87
139	Global regulator H-NS and lipoprotein NlpI influence production of extracellular DNA in Escherichia coli. *Biochemical and Biophysical Research Communications*, **2010**, 401, 197-202	3.4	20
138	Tyrosine phosphatase TpbA controls rugose colony formation in Pseudomonas aeruginosa by dephosphorylating diguanylate cyclase TpbB. *Biochemical and Biophysical Research Communications* , **2010**, 402, 351-5	3.4	15
137	Tyrosine Phosphatase TpbA of Pseudomonas aeruginosa Controls Extracellular DNA via Cyclic Diguanylic Acid Concentrations. *Environmental Microbiology Reports*, **2010**, 2, 449-55	3.7	33
136	Identification of stress-related proteins in Escherichia coli using the pollutant cis-dichloroethylene. *Journal of Applied Microbiology*, **2010**, 108, 2088-102	4.7	51
135	Controlling biofilm formation, prophage excision and cell death by rewiring global regulator H-NS of Escherichia coli. *Microbial Biotechnology*, **2010**, 3, 344-56	6.3	55
134	Engineering global regulator Hha of Escherichia coli to control biofilm dispersal. *Microbial Biotechnology*, **2010**, 3, 717-28	6.3	47
133	Photoelectrochemical hydrogen production from water/methanol decomposition using Ag/TiO2 nanocomposite thin films. *International Journal of Hydrogen Energy*, **2010**, 35, 11768-11775	6.7	102
132	Toxin-antitoxin systems in Escherichia coli influence biofilm formation through YjgK (TabA) and fimbriae. *Journal of Bacteriology*, **2009**, 191, 1258-67	3.5	140
131	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	7.6	138
130	Rapid methods for high-throughput detection of sulfoxides. *Applied and Environmental Microbiology*, **2009**, 75, 4711-9	4.8	6
129	Uracil influences quorum sensing and biofilm formation in Pseudomonas aeruginosa and fluorouracil is an antagonist. *Microbial Biotechnology*, **2009**, 2, 62-74	6.3	103
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127	5-Fluorouracil reduces biofilm formation in Escherichia coli K-12 through global regulator AriR as an antivirulence compound. *Applied Microbiology and Biotechnology*, **2009**, 82, 525-33	5.7	49
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6	Single Cell Observations Show Persister Cells Wake Based on Ribosome Content		2
5	Persister Cells Resuscitate Using Membrane Sensors that Activate Chemotaxis, Lower cAMP Levels, and Revive Ribosomes		2
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