

CITATION REPORT

List of articles citing

LuxS quorum sensing: more than just a numbers game

DOI: 10.1016/s1369-5274(03)00028-6

Current Opinion in Microbiology, 2003, 6, 191-7.

Source: <https://exaly.com/paper-pdf/35561879/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
574	Chemical signaling among bacteria and its inhibition. 2003 , 10, 1007-21		94
573	Quorum sensing by the Lyme disease spirochete. 2003 , 5, 991-7		25
572	Quorum sensing controls biofilm formation in <i>Vibrio cholerae</i> . 2003 , 50, 101-4		629
571	Lsr-mediated transport and processing of AI-2 in <i>Salmonella typhimurium</i> . 2003 , 50, 1411-27		239
570	Modulation of <i>Pseudomonas aeruginosa</i> gene expression by host microflora through interspecies communication. 2003 , 50, 1477-91		377
569	Chemical communication among bacteria. 2003 , 100 Suppl 2, 14549-54		328
568	Pharmacological inhibition of quorum sensing for the treatment of chronic bacterial infections. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1300-7	15.9	466
567	An introduction to the human-microbe symbiosis. 2004 , 1-50		1
566	<i>Candida albicans</i> biofilms: a developmental state associated with specific and stable gene expression patterns. 2004 , 3, 536-45		299
565	Use of a continuous-flow anaerobic culture to characterize enteric virulence gene expression. 2004 , 72, 3793-802		23
564	Bacteria harnessing complexity. 2004 , 1, 239-263		34
563	Three parallel quorum-sensing systems regulate gene expression in <i>Vibrio harveyi</i> . 2004 , 186, 6902-14		415
562	Stationary-phase quorum-sensing signals affect autoinducer-2 and gene expression in <i>Escherichia coli</i> . 2004 , 70, 2038-43		79
561	LuxS is required for persistent pneumococcal carriage and expression of virulence and biosynthesis genes. 2004 , 72, 2964-75		60
560	Cell-to-cell signalling in <i>Escherichia coli</i> and <i>Salmonella enterica</i> . 2004 , 52, 933-45		264
559	Regulatory circuits and communication in Gram-negative bacteria. 2004 , 2, 581-92		185
558	Chemical communication in proteobacteria: biochemical and structural studies of signal synthases and receptors required for intercellular signalling. 2004 , 53, 755-69		82

557	Bacterial social engagements. 2004 , 14, 648-56	256
556	Microbial genomics: tropical treasure?. 2004 , 14, R65-6	7
555	Microbes and their products--physiological effects upon mammalian mucosa. 2004 , 56, 727-62	10
554	Differential gene expression shows natural brominated furanones interfere with the autoinducer-2 bacterial signaling system of <i>Escherichia coli</i> . 2004 , 88, 630-42	188
553	Microbial communities in oil-contaminated seawater. 2004 , 15, 205-14	273
552	Quorum sensing and bacterial cross-talk in biotechnology. 2004 , 15, 495-502	119
551	Synthesis of LuxS inhibitors targeting bacterial cell-cell communication. 2004 , 6, 3043-6	77
550	<i>Vibrio fischeri</i> LuxS and AinS: comparative study of two signal synthases. 2004 , 186, 3873-81	103
549	Catalytic mechanism of S-ribosylhomocysteinase (LuxS): stereochemical course and kinetic isotope effect of proton transfer reactions. 2004 , 43, 10166-72	31
548	Oxidative stress inactivates cobalamin-independent methionine synthase (MetE) in <i>Escherichia coli</i> . 2004 , 2, e336	131
547	Quorum Sensing: The Complexities of Chemical Communication between Bacteria. 2004 , 2, 87-101	8
546	The small RNA chaperone Hfq and multiple small RNAs control quorum sensing in <i>Vibrio harveyi</i> and <i>Vibrio cholerae</i> . 2004 , 118, 69-82	751
545	Bacterial linguistic communication and social intelligence. 2004 , 12, 366-72	209
544	Peptide signaling in <i>Staphylococcus aureus</i> and other Gram-positive bacteria. 2004 , 25, 1389-403	283
543	Anaerobic growth does not support biofilm formation in <i>Escherichia coli</i> K-12. 2004 , 155, 514-21	28
542	<i>Salmonella typhimurium</i> recognizes a chemically distinct form of the bacterial quorum-sensing signal AI-2. 2004 , 15, 677-87	422
541	Disruption of bacterial quorum sensing: an unexplored strategy to fight infections in aquaculture. <i>Aquaculture</i> , 2004 , 240, 69-88	4-4 187
540	Colonization of Abiotic Surfaces. 2005 , 1,	8

539	Molecular genetics of <i>Staphylococcus epidermidis</i> biofilms on indwelling medical devices. 2005 , 28, 1069-78	48
538	Methods for analysis of bacterial autoinducer-2 production. 2005 , Chapter 1, Unit 1C.1	18
537	Quorum sensing in <i>Vibrio harveyi</i> : probing the specificity of the LuxP binding site. 2005 , 15, 2395-8	43
536	The impact of mutations in the quorum sensing systems of <i>Aeromonas hydrophila</i> , <i>Vibrio anguillarum</i> and <i>Vibrio harveyi</i> on their virulence towards gnotobiotically cultured <i>Artemia franciscana</i> . 2005 , 7, 1239-47	120
535	LuxS controls bacteriocin production in <i>Streptococcus mutans</i> through a novel regulatory component. 2005 , 57, 960-9	77
534	Thieves, assassins and spies of the microbial world. 2005 , 7, 933-4	8
533	Regulation and biosynthesis of carbapenem antibiotics in bacteria. 2005 , 3, 295-306	114
532	Making sense of metabolism: autoinducer-2, LuxS and pathogenic bacteria. 2005 , 3, 383-96	457
531	Interference with AI-2-mediated bacterial cell-cell communication. 2005 , 437, 750-3	233
530	Inter-kingdom signaling: deciphering the language of acyl homoserine lactones. 2005 , 29, 935-47	160
529	Femtomolar transition state analogue inhibitors of 5-methylthioadenosine/S-adenosylhomocysteine nucleosidase from <i>Escherichia coli</i> . 2005 , 280, 18265-73	112
528	Characterization of type 2 quorum sensing in <i>Klebsiella pneumoniae</i> and relationship with biofilm formation. 2005 , 187, 2870-80	133
527	Identification of genes associated with mutacin I production in <i>Streptococcus mutans</i> using random insertional mutagenesis. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 3947-3955	2.9 22
526	Azithromycin inhibits the formation of flagellar filaments without suppressing flagellin synthesis in <i>Salmonella enterica</i> serovar typhimurium. 2005 , 49, 3396-403	16
525	Bacterial communication ("quorum sensing") via ligands and receptors: a novel pharmacologic target for the design of antibiotic drugs. 2005 , 312, 417-23	94
524	Proteomics analysis by two-dimensional differential gel electrophoresis reveals the lack of a broad response of <i>Neisseria meningitidis</i> to in vitro-produced AI-2. 2005 , 187, 392-5	28
523	Autoinducer-2-like activity on vegetable produce and its potential involvement in bacterial biofilm formation on tomatoes. 2005 , 2, 242-9	37
522	Ecological behavior of <i>Lactobacillus reuteri</i> 100-23 is affected by mutation of the luxS gene. 2005 , 71, 8419-25	73

521	Chemical synthesis of (S)-4,5-dihydroxy-2,3-pentanedione, a bacterial signal molecule precursor, and validation of its activity in <i>Salmonella typhimurium</i> . 2005 , 280, 19563-8		111
520	Synthesis of autoinducer 2 by the lyme disease spirochete, <i>Borrelia burgdorferi</i> . 2005 , 187, 3079-87		36
519	luxS-dependent gene regulation in <i>Escherichia coli</i> K-12 revealed by genomic expression profiling. 2005 , 187, 8350-60		113
518	Autoinducer 2-like activity in poultry-associated enteric bacteria in response to subtherapeutic antibiotic exposure. 2005 , 49, 74-80		8
517	Regulation of uptake and processing of the quorum-sensing autoinducer AI-2 in <i>Escherichia coli</i> . 2005 , 187, 238-48		311
516	Cyclic AMP (cAMP) and cAMP receptor protein influence both synthesis and uptake of extracellular autoinducer 2 in <i>Escherichia coli</i> . 2005 , 187, 2066-76		147
515	Bacterial cell-to-cell signaling in the gastrointestinal tract. 2005 , 73, 3197-209		134
514	Events at the host-microbial interface of the gastrointestinal tract III. Cell-to-cell signaling among microbial flora, host, and pathogens: there is a whole lot of talking going on. 2005 , 288, G1105-9		44
513	Crystal structure of S-ribosylhomocysteinase (LuxS) in complex with a catalytic 2-ketone intermediate. 2005 , 44, 3745-53		35
512	Quorum sensing: cell-to-cell communication in bacteria. 2005 , 21, 319-46		2606
511	Regulation of LuxPQ receptor activity by the quorum-sensing signal autoinducer-2. 2005 , 18, 507-18		161
510	LuxS impacts on LytA-dependent autolysis and on competence in <i>Streptococcus pneumoniae</i> . <i>Microbiology (United Kingdom)</i> , 2006 , 152, 333-341	2.9	20
509	Role of the luxS quorum-sensing system in biofilm formation and virulence of <i>Staphylococcus epidermidis</i> . 2006 , 74, 488-96		185
508	The <i>Actinobacillus actinomycetemcomitans</i> ribose binding protein RbsB interacts with cognate and heterologous autoinducer 2 signals. 2006 , 74, 4021-9		62
507	Autoinducer 2 controls biofilm formation in <i>Escherichia coli</i> through a novel motility quorum-sensing regulator (MqsR, B3022). 2006 , 188, 305-16		419
506	Communication in bacteria: an ecological and evolutionary perspective. 2006 , 4, 249-58		569
505	Self-engineering capabilities of bacteria. 2006 , 3, 197-214		94
504	A three-channel microfluidic device for generating static linear gradients and its application to the quantitative analysis of bacterial chemotaxis. 2006 , 6, 381-8		194

503	Structure and inhibition of a quorum sensing target from <i>Streptococcus pneumoniae</i> . 2006 , 45, 12929-41	55
502	Catalytic mechanism of <i>S</i> -ribosylhomocysteinase: ionization state of active-site residues. 2006 , 45, 12195-203	13
501	AI-3 synthesis is not dependent on luxS in <i>Escherichia coli</i> . 2006 , 188, 5668-81	147
500	Ligand-induced asymmetry in histidine sensor kinase complex regulates quorum sensing. 2006 , 126, 1095-108	224
499	Biotechnology in Agriculture. 2006 , 31, 265-295	48
498	Functionality of <i>Borrelia burgdorferi</i> LuxS: the Lyme disease spirochete produces and responds to the pheromone autoinducer-2 and lacks a complete activated-methyl cycle. 2006 , 296 Suppl 40, 92-102	22
497	N-acylhomoserine lactone-dependent cell-to-cell communication and social behavior in the genus <i>Serratia</i> . 2006 , 296, 117-24	43
496	Quorum sensing in <i>Escherichia coli</i> and <i>Salmonella</i> . 2006 , 296, 125-31	194
495	The Structure and Function of Microbial Communities. 2006 , 299-327	4
494	Let LuxS speak up in AI-2 signaling. 2006 , 14, 114-9	128
493	Biofilm formation by <i>Escherichia coli</i> is stimulated by synergistic interactions and co-adhesion mechanisms with adherence-proficient bacteria. 2006 , 157, 471-8	95
492	Quorum sensing and cell-to-cell communication in the dental biofilm. 175-198	
491	Quorum-sensing-mediated regulation of biofilm growth and virulence of <i>Vibrio cholerae</i> . 101-116	
490	LuxS in cellular metabolism and cell-to-cell signaling. 117-150	1
489	LuxS-dependent regulation of <i>Escherichia coli</i> virulence. 151-174	1
488	A stochastic model of <i>Escherichia coli</i> AI-2 quorum signal circuit reveals alternative synthesis pathways. 2006 , 2, 67	43
487	Methionine. 2006 , 2,	12
486	Subinhibitory concentrations of cinnamaldehyde interfere with quorum sensing. 2006 , 43, 489-94	178

485	Quorum sensing: the many languages of bacteria. 2006 , 254, 1-11		279
484	Type II quorum sensing regulates virulence in <i>Erwinia carotovora</i> ssp. <i>carotovora</i> . 2006 , 258, 227-34		21
483	Diptericin expression in bacteria infected <i>Drosophila</i> mbn-2 cells - effect of infection dose and phagocytosis. 2006 , 15, 57-62		4
482	Seeking the foundations of cognition in bacteria: From Schrödinger's negative entropy to latent information. 2006 , 359, 495-524		71
481	Methionine Biosynthesis in <i>Escherichia coli</i> and <i>Corynebacterium glutamicum</i> . 2006 , 163-193		10
480	LuxS-mediated signalling in <i>Streptococcus anginosus</i> and its role in biofilm formation. 2006 , 90, 109-21		32
479	Bacterial quorum sensing and cell surface electrokinetic properties. 2006 , 73, 669-75		51
478	Characterization of autoinducer 2 signal in <i>Eikenella corrodens</i> and its role in biofilm formation. 2006 , 102, 110-7		34
477	Conditional production of acyl-homoserine lactone-type quorum-sensing signals in clinical isolates of enterobacteria. <i>Journal of Medical Microbiology</i> , 2006 , 55, 1751-1753	3.2	15
476	Quorum sensing and multidrug transporters in <i>Escherichia coli</i> . 2006 , 103, 2386-91		106
475	A LuxS-dependent cell-to-cell language regulates social behavior and development in <i>Bacillus subtilis</i> . 2006 , 188, 4442-52		71
474	<i>Escherichia coli</i> pfs transcription: regulation and proposed roles in autoinducer-2 synthesis and purine excretion. 2006 , 188, 7457-63		11
473	Coordinated regulation of two independent cell-cell signaling systems and swarmer differentiation in <i>Salmonella enterica</i> serovar Typhimurium. 2006 , 188, 431-40		27
472	LuxS involvement in the regulation of genes coding for hemin and iron acquisition systems in <i>Porphyromonas gingivalis</i> . 2006 , 74, 3834-44		80
471	Molecular Paradigms of Infectious Disease. 2006 ,		2
470	Necrotic enteritis; a continuing challenge for the poultry industry. 2006 , 62, 221-247		140
469	The global regulator Spx functions in the control of organosulfur metabolism in <i>Bacillus subtilis</i> . 2006 , 188, 5741-51		38
468	Functional analysis of luxS in <i>Staphylococcus aureus</i> reveals a role in metabolism but not quorum sensing. 2006 , 188, 2885-97		87

467	LEUKOTOXIN PRODUCTION BY ACTINOBACILLUS ACTINOMYCETEMCOMITANS. 2006 , 25, 1-18		1
466	The <i>Vibrio harveyi</i> quorum-sensing system uses shared regulatory components to discriminate between multiple autoinducers. 2006 , 20, 2754-67		173
465	The regulation of histidine sensor kinase complexes by quorum sensing signal molecules. 2007 , 423, 250-63		4
464	Genetic and physiological characterization of the <i>Borrelia burgdorferi</i> ORF BB0374-pfs-metK-luxS operon. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 2304-2311	2.9	18
463	Implication of quorum sensing in <i>Salmonella enterica</i> serovar typhimurium virulence: the luxS gene is necessary for expression of genes in pathogenicity island 1. 2007 , 75, 4885-90		77
462	Quorum sensing in <i>Escherichia coli</i> is signaled by AI-2/LsrR: effects on small RNA and biofilm architecture. 2007 , 189, 6011-20		163
461	Regulated synthesis of the <i>Borrelia burgdorferi</i> inner-membrane lipoprotein IpLA7 (P22, P22-A) during the Lyme disease spirochaete-mammal-tick infectious cycle. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 1361-1371	2.9	22
460	Quorum sensing: fact, fiction, and everything in between. 2007 , 62, 191-234		62
459	The Biofilm Primer. 2007 ,		126
458	Autoinducer 2 is required for biofilm growth of <i>Aggregatibacter (Actinobacillus) actinomycetemcomitans</i> . 2007 , 75, 4211-8		79
457	Autoinducer-2-producing protein LuxS, a novel salt- and chloride-induced protein in the moderately halophilic bacterium <i>Halobacillus halophilus</i> . 2007 , 73, 371-9		23
456	Temporal quorum-sensing induction regulates <i>Vibrio cholerae</i> biofilm architecture. 2007 , 75, 122-6		52
455	MODEL FOR GROWTH AND AI-2 TYPE QUORUM SENSING OF <i>SALMONELLA TYPHIMURIUM</i> SL1344. 2007 , 40, 207-212		
454	The role of small RNAs in quorum sensing. <i>Current Opinion in Microbiology</i> , 2007 , 10, 189-98	7.9	91
453	Transition-state analysis of <i>S. pneumoniae</i> 5Rmethylthioadenosine nucleosidase. 2007 , 129, 2783-95		42
452	Proteomic analysis to identify the role of LuxS/AI-2 mediated protein expression in <i>Escherichia coli</i> O157:H7. 2007 , 4, 463-71		12
451	Making sense of quorum sensing in lactobacilli: a special focus on <i>Lactobacillus plantarum</i> WCFS1. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 3939-3947	2.9	66
450	Amino Acid Biosynthesis ~ Pathways, Regulation and Metabolic Engineering. 2007 ,		40

449	Look who's talking: communication and quorum sensing in the bacterial world. 2007 , 362, 1119-34	563
448	The early response to acid shock in <i>Lactobacillus reuteri</i> involves the ClpL chaperone and a putative cell wall-altering esterase. 2007 , 73, 3924-35	100
447	Differential interaction of <i>Aggregatibacter (Actinobacillus) actinomycetemcomitans</i> LsrB and RbsB proteins with autoinducer 2. 2007 , 189, 5559-65	55
446	Experimental evaluation and mathematical modeling of microbially enhanced tetrachloroethene (PCE) dissolution. 2007 , 41, 963-70	76
445	Phosphorylation and processing of the quorum-sensing molecule autoinducer-2 in enteric bacteria. 2007 , 2, 128-36	122
444	Bacterial signal destruction. 2007 , 2, 89-92	11
443	Roles of diffusible signals in communication among plant-associated bacteria. 2007 , 97, 227-32	32
442	Inhibition of Biofilm Formation on the Service and Performance Heat Exchanger by Quorum Sensing Inhibition. 2007 ,	
441	References. 2007 , 181-195	
440	Profiling of N-acyl-homoserine lactones by liquid chromatography coupled with electrospray ionization and a hybrid quadrupole linear ion-trap and Fourier-transform ion-cyclotron-resonance mass spectrometry (LC-ESI-LTQ-FTICR-MS). 2008 , 43, 82-96	30
439	Does efficiency sensing unify diffusion and quorum sensing?. 2007 , 5, 230-9	382
438	The major <i>Vibrio cholerae</i> autoinducer and its role in virulence factor production. 2007 , 450, 883-6	329
437	LuxS and expression of virulence factors in <i>Streptococcus intermedius</i> . 2008 , 23, 79-83	25
436	A proline iminopeptidase gene upregulated in planta by a LuxR homologue is essential for pathogenicity of <i>Xanthomonas campestris</i> pv. <i>campestris</i> . 2007 , 65, 121-36	77
435	The effect of quorum-sensing blockers on the formation of marine microbial communities and larval attachment. 2007 , 60, 177-88	64
434	Quorum sensing in <i>Serratia</i> . 2007 , 31, 407-24	120
433	AUTOINDUCER-2-MEDIATED QUORUM SENSING IS NOT INVOLVED IN LISTERIA MONOCYTOGENES ADAPTIVE RESPONSES TO THE FOOD PRESERVATIVES LACTIC ACID AND NISIN. 2007 , 27, 386-399	3
432	Listeria: A foodborne pathogen that knows how to survive. <i>International Journal of Food Microbiology</i> , 2007 , 113, 1-15	5.8 701

431	Cell-cell communication in food related bacteria. <i>International Journal of Food Microbiology</i> , 2007 , 120, 34-45	5.8	66
430	Beyond quorum sensing: the complexities of prokaryotic parliamentary procedures. 2007 , 387, 391-8		28
429	Quorum-sensing systems in staphylococci as therapeutic targets. 2007 , 387, 437-44		31
428	Establishment and early succession of a multispecies biofilm composed of soil bacteria. 2007 , 54, 352-62		47
427	S-Adenosylmethionine induces BldH and activates secondary metabolism by involving the TTA-codon control of bldH expression in <i>Streptomyces lividans</i> . 2008 , 189, 419-26		8
426	Investigating the effect of patulin, penicillic acid and EDTA on biofilm formation of isolates from dental unit water lines. 2008 , 81, 349-58		18
425	Structure-based discovery and experimental verification of novel AI-2 quorum sensing inhibitors against <i>Vibrio harveyi</i> . 2008 , 3, 1242-9		53
424	Interplay of two quorum sensing regulation systems of <i>Vibrio fischeri</i> . 2008 , 251, 167-80		35
423	Oxazaborolidine derivatives inducing autoinducer-2 signal transduction in <i>Vibrio harveyi</i> . 2008 , 16, 1596-604		29
422	Environmental influences on biofilm development. 2008 , 322, 37-66		68
421	Evidence for extracellular control of RpoS proteolysis in <i>Escherichia coli</i> . 2008 , 286, 50-9		7
420	Quorum sensing and virulence regulation in <i>Xanthomonas campestris</i> . 2008 , 32, 842-57		179
419	<i>Escherichia coli</i> transcription factor YncC (McbR) regulates colanic acid and biofilm formation by repressing expression of periplasmic protein YbiM (McbA). 2008 , 2, 615-31		56
418	Signal transduction systems in prokaryotes. 2008 , 44, 129-150		1
417	Influence of autoinducer-2 (AI-2) and beef sample extracts on <i>E. coli</i> O157:H7 survival and gene expression of virulence genes yadK and hhA. 2008 , 73, M135-9		27
416	Regulation of <i>Vibrio alginolyticus</i> virulence by the LuxS quorum-sensing system. 2008 , 31, 161-9		46
415	<i>Sinorhizobium meliloti</i> , a bacterium lacking the autoinducer-2 (AI-2) synthase, responds to AI-2 supplied by other bacteria. 2008 , 70, 1223-35		59
414	Detection of quorum-sensing-related molecules in <i>Vibrio scophthalmi</i> . 2008 , 8, 138		19

413	Cinnamaldehyde and cinnamaldehyde derivatives reduce virulence in <i>Vibrio</i> spp. by decreasing the DNA-binding activity of the quorum sensing response regulator LuxR. 2008 , 8, 149		206
412	Swarming and complex pattern formation in <i>Paenibacillus vortex</i> studied by imaging and tracking cells. 2008 , 8, 36		85
411	AI-2-dependent gene regulation in <i>Staphylococcus epidermidis</i> . 2008 , 8, 4		46
410	LuxS-independent formation of AI-2 from ribulose-5-phosphate. 2008 , 8, 98		28
409	Bacterial Biofilms. 2008 ,		24
408	<i>Agrobacterium</i> : From Biology to Biotechnology. 2008 ,		34
407	Histidine kinase regulation by a cyclophilin-like inhibitor. 2008 , 384, 422-35		26
406	Enhanced biofilm formation and reduced virulence of <i>Actinobacillus pleuropneumoniae</i> luxS mutant. <i>Microbial Pathogenesis</i> , 2008 , 45, 192-200	3.8	40
405	Diffusible signals and interspecies communication in bacteria. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 1845-1858	2.9	211
404	Identification of boronic acids as antagonists of bacterial quorum sensing in <i>Vibrio harveyi</i> . 2008 , 369, 590-4		40
403	<i>Lactobacillus acidophilus</i> reduces expression of enterohemorrhagic <i>Escherichia coli</i> O157:H7 virulence factors by inhibiting autoinducer-2-like activity. 2008 , 19, 1042-1050		20
402	Quorum sensing and microbial biofilms. 2008 , 322, 67-84		130
401	<i>Escherichia coli</i> biofilms. 2008 , 322, 249-89		304
400	Synthesis of 5-(bromomethylene)furan-2(5H)-ones and 3-(bromomethylene)isobenzofuran-1(3H)-ones as inhibitors of microbial quorum sensing. 2008 , 32, 1567		28
399	A simple structured model for growth and AI-2 mediated cell-cell communication of <i>Salmonella</i> Typhimurium. 2008 ,		
398	Autoinducer AI-2 is involved in regulating a variety of cellular processes in <i>Salmonella</i> Typhimurium. 2008 , 5, 147-53		22
397	Involvement of LuxS in the regulation of motility and flagella biogenesis in <i>Vibrio alginolyticus</i> . 2008 , 72, 1063-71		34
396	Furanones, potential agents for preventing <i>Staphylococcus epidermidis</i> biofilm infections?. 2009 , 63, 309-16		81

395	CSF, a species-specific extracellular signaling peptide for communication among strains of <i>Bacillus subtilis</i> and <i>Bacillus mojavensis</i> . 2008 , 190, 4095-9		13
394	A negative feedback loop involving small RNAs accelerates <i>Vibrio cholerae</i> transition out of quorum-sensing mode. 2008 , 22, 226-38		99
393	The extracellular death factor: physiological and genetic factors influencing its production and response in <i>Escherichia coli</i> . 2008 , 190, 3169-75		67
392	Identification of ground beef-derived fatty acid inhibitors of autoinducer-2-based cell signaling. 2008 , 71, 134-8		44
391	. 2009 ,		7
390	<i>Pseudomonas fragi</i> strains isolated from meat do not produce N-acyl homoserine lactones as signal molecules. 2009 , 72, 2597-601		18
389	The crystal structure of the <i>Escherichia coli</i> autoinducer-2 processing protein LsrF. <i>PLoS ONE</i> , 2009 , 4, e6820	3-7	13
388	Virulence gene regulation by the agr system in <i>Clostridium perfringens</i> . 2009 , 191, 3919-27		103
387	Deadly competition between sibling bacterial colonies. 2009 , 106, 428-33		77
386	<i>Pseudomonas aeruginosa</i> Las quorum sensing autoinducer suppresses growth and biofilm production in <i>Legionella</i> species. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 1934-1939	2-9	44
385	Inactivation of the <i>Haemophilus ducreyi</i> luxS gene affects the virulence of this pathogen in human subjects. 2009 , 200, 409-16		14
384	LuxS-based quorum sensing does not affect the ability of <i>Salmonella enterica</i> serovar Typhimurium to express the SPI-1 type 3 secretion system, induce membrane ruffles, or invade epithelial cells. 2009 , 191, 7253-9		18
383	luxS-based quorum-sensing signaling affects Biofilm formation in <i>Streptococcus mutans</i> . 2009 , 17, 12-9		42
382	Adaptations to submarine hydrothermal environments exemplified by the genome of <i>Nautilia profundicola</i> . 2009 , 5, e1000362		105
381	Involvement of <i>Shewanella oneidensis</i> MR-1 LuxS in biofilm development and sulfur metabolism. 2009 , 75, 1301-7		35
380	Autoinducer-2 production in <i>Campylobacter jejuni</i> contributes to chicken colonization. 2009 , 75, 281-5		36
379	Growth deficiencies of <i>Neisseria meningitidis</i> pfs and luxS mutants are not due to inactivation of quorum sensing. 2009 , 191, 1293-302		33
378	2D proteome analysis initiates new insights on the <i>Salmonella Typhimurium</i> LuxS protein. 2009 , 9, 198		14

377	AI-2 does not function as a quorum sensing molecule in <i>Campylobacter jejuni</i> during exponential growth in vitro. 2009 , 9, 214	33
376	Analysis of growth-phase regulated genes in <i>Streptococcus agalactiae</i> by global transcript profiling. 2009 , 9, 32	10
375	Quorum sensing in veterinary pathogens: mechanisms, clinical importance and future perspectives. 2009 , 135, 187-95	71
374	The Synthetic Approach for Regulatory and Metabolic Circuits. 467-488	
373	Quorum sensing and quorum quenching: the yin and yang of bacterial communication. 2009 , 10, 205-16	242
372	Synthesis and evaluation of new antagonists of bacterial quorum sensing in <i>Vibrio harveyi</i> . 2009 , 4, 1457-68	44
371	Inhibitors and antagonists of bacterial quorum sensing. 2009 , 29, 65-124	158
370	Reuterin production by <i>Lactobacillus reuteri</i> NRRL B-14171 immobilized in alginate. 2009 , 84, 100-105	8
369	A dynamic model for diauxic growth, overflow metabolism, and AI-2-mediated cell-cell communication of <i>Salmonella Typhimurium</i> based on systems biology concepts. 2009 , 102, 280-93	6
368	Transcriptional responses of <i>Haemophilus parasuis</i> to iron-restriction stress in vitro. 2009 , 22, 907-16	7
367	Societal interactions in ovarian cancer metastasis: a quorum-sensing hypothesis. 2009 , 26, 67-76	42
366	Design principles of the bacterial quorum sensing gene networks. 2009 , 1, 45-60	30
365	Functional correlation of bacterial LuxS with their quaternary associations: interface analysis of the structure networks. 2009 , 9, 8	8
364	Role of autoinducer-2 on the adhesion ability of <i>Lactobacillus acidophilus</i> . 2009 , 107, 269-79	50
363	Sugar synthesis in a protocellular model leads to a cell signalling response in bacteria. 2009 , 1, 377-83	148
362	QS-type bacterial signal molecules of nonpeptide origin. 2009 , 78, 133-143	8
361	Biological activity and identification of a peptide inhibitor of LuxS from <i>Streptococcus suis</i> serotype 2. 2009 , 294, 16-23	27
360	Inhibition of quorum sensing in <i>Vibrio harveyi</i> by boronic acids. 2009 , 74, 51-6	21

359	Cell-to-cell signalling during pathogenesis. 2009 , 11, 363-9		101
358	A naturally occurring brominated furanone covalently modifies and inactivates LuxS. 2009 , 19, 6200-4		87
357	The presence of embedded bacterial pure cultures in agar plates stimulate the culturability of soil bacteria. 2009 , 79, 166-73		10
356	Identification of functional LsrB-like autoinducer-2 receptors. 2009 , 191, 6975-87		59
355	Quorum sensing and social networking in the microbial world. 2009 , 6, 959-78		297
354	Cell-Cell Communication in Biofilms of Gram-Negative Bacteria. 2009 , 23-40		4
353	Streptococcus adherence and colonization. 2009 , 73, 407-50, Table of Contents		417
352	Microbial telesensing: probing the environment for friends, foes, and food. 2009 , 6, 115-24		63
351	A new phenothiazine structural scaffold as inhibitors of bacterial quorum sensing in <i>Vibrio harveyi</i> . 2009 , 382, 153-6		13
350	Molecular adaptation of sourdough <i>Lactobacillus plantarum</i> DC400 under co-cultivation with other lactobacilli. 2009 , 160, 358-66		46
349	Intercellular communication in bacteria. 2009 , 35, 69-80		68
348	Direct quantitation of the quorum sensing signal, autoinducer-2, in clinically relevant samples by liquid chromatography-tandem mass spectrometry. 2009 , 81, 6374-81		31
347	AI-2 quorum-sensing inhibitors affect the starvation response and reduce virulence in several <i>Vibrio</i> species, most likely by interfering with LuxPQ. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 4114-4122	2.9	53
346	The Adaptive Value of the Circadian Clock System in Cyanobacteria. 2009 , 205-221		2
345	A cantilever sensor with an integrated optical readout for detection of enzymatically produced homocysteine. 2009 , 3, 415-23		18
344	Bacterial quorum-sensing network architectures. 2009 , 43, 197-222		1141
343	Mini-review: quorum sensing in the marine environment and its relationship to biofouling. 2009 , 25, 413-27		281
342	Chemical interactions between organisms in microbial communities. 2009 , 16, 1-17		30

341	Cell-to-Cell Signaling in <i>Escherichia coli</i> and <i>Salmonella</i> . 2009 , 3,	0
340	Paradigm shift in discovering next-generation anti-infective agents: targeting quorum sensing, c-di-GMP signaling and biofilm formation in bacteria with small molecules. 2010 , 2, 1005-35	116
339	Isolate-specific effects of patulin, penicillic Acid and EDTA on biofilm formation and growth of dental unit water line biofilm isolates. 2010 , 61, 148-56	14
338	Biological control of microbial attachment: a promising alternative for mitigating membrane biofouling. 2010 , 86, 825-37	158
337	Global regulation of gene expression in response to cysteine availability in <i>Clostridium perfringens</i> . 2010 , 10, 234	18
336	<i>Bacillus anthracis</i> Virulence Gene Regulation. 2010 , 157-177	
335	<i>Escherichia coli</i> autoinducer-2 uptake network does not display hysteretic behavior but AI-2 synthesis rate controls transient bifurcation. 2010 , 99, 17-26	11
334	Elucidation of the conformational free energy landscape in <i>H.pylori</i> LuxS and its implications to catalysis. 2010 , 10, 27	17
333	Quorum sensing in sourdough <i>Lactobacillus plantarum</i> DC400: induction of plantaricin A (PlnA) under co-cultivation with other lactic acid bacteria and effect of PlnA on bacterial and Caco-2 cells. 2010 , 10, 2175-90	61
332	AiiA-mediated quorum quenching does not affect virulence or toxoflavin expression in <i>Burkholderia glumae</i> SL2376. 2010 , 51, 619-24	6
331	Indole as an intercellular signal in microbial communities. 2010 , 34, 426-44	498
330	Biofilm formation and the food industry, a focus on the bacterial outer surface. 2010 , 109, 1117-31	418
329	. 2010 ,	2
328	Biofilm, dental unit water line and its control. 2010 , 12,	
327	Autoinducer-2 and QseC control biofilm formation and in vivo virulence of <i>Aggregatibacter actinomycetemcomitans</i> . 2010 , 78, 2919-26	62
326	Transcriptome analysis of genes controlled by luxS/autoinducer-2 in <i>Salmonella enterica</i> serovar Typhimurium. 2010 , 7, 399-410	51
325	The inhibitory effects of catechins on biofilm formation by the periodontopathogenic bacterium, <i>Eikenella corrodens</i> . 2010 , 74, 2445-50	36
324	The <i>Staphylococcus aureus</i> autoinducer-2 synthase LuxS is regulated by Ser/Thr phosphorylation. 2010 , 192, 6295-301	22

323	Staphylococcus aureus AI-2 quorum sensing associates with the KdpDE two-component system to regulate capsular polysaccharide synthesis and virulence. 2010 , 78, 3506-15		94
322	Regulation of the <i>Vibrio vulnificus</i> vvpE expression by cyclic AMP-receptor protein and quorum-sensing regulator SmcR. <i>Microbial Pathogenesis</i> , 2010 , 49, 348-53	3.8	8
321	Dynamics in the mixed microbial concourse. 2010 , 24, 2603-14		138
320	Synthesis of microbial signaling molecules and their stereochemistry-activity relationships. 2011 , 75, 1418-29		7
319	Methods for analysis of bacterial autoinducer-2 production. 2011 , Chapter 1, Unit1C.1		35
318	Understanding bacterial cell-cell communication with computational modeling. 2011 , 111, 238-50		31
317	Quenching the quorum sensing system: potential antibacterial drug targets. 2011 , 37, 121-40		244
316	Quorum sensing in Gram-negative bacteria: small-molecule modulation of AHL and AI-2 quorum sensing pathways. 2011 , 111, 28-67		438
315	Robust synchronization analysis in nonlinear stochastic cellular networks with time-varying delays, intracellular perturbations and intercellular noise. 2011 , 232, 116-34		2
314	Bio-Inspired Synchronization for Nanocommunication Networks. 2011 ,		41
313	Antibiotic-induced biofilm formation. 2011 , 34, 737-51		227
312	Autoinducer-2-like activity in lactic acid bacteria isolated from minced beef packaged under modified atmospheres. 2011 , 74, 631-5		15
311	Modulation of iron-uptake systems by a mutation of luxS encoding an autoinducer-2 synthase in <i>Vibrio vulnificus</i> . 2011 , 34, 632-7		6
310	Autoinducer 2-Regulated Genes in <i>Streptococcus mutans</i> and Impact on Oral Bacterial Communities. 2011 , 247-261		1
309	Alternative Autoinducer 2 Quorum-Sensing Response Circuits: Impact on Microbial Community Development. 2011 , 263		3
308	Heterotypic <i>Streptococcus gordonii</i> - <i>Porphyromonas gingivalis</i> Communities: Formation, Gene Regulation, and Development. 2011 , 313		
307	Signal production and detection specificity in <i>Vibrio</i> CqsA/CqsS quorum-sensing systems. 2011 , 79, 1407-17		106
306	Secondary metabolites and other small molecules as intercellular pathogenic signals. 2011 , 314, 10-7		39

305	Bacterial Quorum Sensing and Food Industry. 2011 , 10, 183-193	122
304	Regulating the quorum sensing signalling circuit to control bacterial virulence: in silico analysis. 2011 , 5, 103-9	7
303	Functional analysis of luxS in <i>Streptococcus suis</i> reveals a key role in biofilm formation and virulence. 2011 , 152, 151-60	83
302	Antiquorum sensing and antibiofilm potential of <i>Capparis spinosa</i> . 2011 , 42, 658-68	125
301	Functional definition of LuxS, an autoinducer-2 (AI-2) synthase and its role in full virulence of <i>Streptococcus suis</i> serotype 2. 2011 , 49, 1000-11	34
300	Different aspects of bacterial communication signals. 2011 , 27, 1267-80	7
299	Disruption of bacterial cell-to-cell communication by marine organisms and its relevance to aquaculture. 2011 , 13, 109-26	73
298	An efficient synthesis of the precursor of AI-2, the signalling molecule for inter-species quorum sensing. 2011 , 19, 1236-41	34
297	Mining quorum sensing regulated proteins - Role of bacterial cell-to-cell communication in global gene regulation as assessed by proteomics. 2011 , 11, 3070-85	18
296	Synthetic Polymers for Simultaneous Bacterial Sequestration and Quorum Sense Interference. 2011 , 123, 10026-10030	5
295	Synthetic polymers for simultaneous bacterial sequestration and quorum sense interference. 2011 , 50, 9852-6	30
294	Automata modeling of Quorum Sensing for nanocommunication networks. 2011 , 2, 74-83	36
293	Quorum sensing inhibitors increase the susceptibility of bacterial biofilms to antibiotics in vitro and in vivo. 2011 , 55, 2655-61	363
292	<i>Lactobacillus reuteri</i> -produced cyclic dipeptides quench agr-mediated expression of toxic shock syndrome toxin-1 in staphylococci. 2011 , 108, 3360-5	149
291	Processing the interspecies quorum-sensing signal autoinducer-2 (AI-2): characterization of phospho-(S)-4,5-dihydroxy-2,3-pentanedione isomerization by LsrG protein. 2011 , 286, 18331-43	47
290	Quorum sensing contributes to natural transformation of <i>Vibrio cholerae</i> in a species-specific manner. 2011 , 193, 4914-24	84
289	Bis-(3R5R)-cyclic dimeric GMP-linked quorum sensing controls swarming in <i>Vibrio parahaemolyticus</i> . 2011 , 108, 18079-84	45
288	luxS mutant regulation: quorum sensing impairment or methylation disorder?. 2012 , 12, 6155-75	6

287	Biofouling of water treatment membranes: a review of the underlying causes, monitoring techniques and control measures. 2012 , 2, 804-40		470
286	Recent progresses on AI-2 bacterial quorum sensing inhibitors. 2012 , 19, 174-86		27
285	Quorum Sensing-enabled amplification for molecular nanonetworks. 2012 ,		7
284	Biofilms. 2012 , 59-75		3
283	Development of the quorum sensing biotechnological toolbox. 2012 , 1, 396-402		9
282	Impacts of quorum sensing on microbial metabolism and human health. 2013 , 131, 25-61		15
281	Sugar inhibits the production of the toxins that trigger clostridial gas gangrene. <i>Microbial Pathogenesis</i> , 2012 , 52, 85-91	3.8	14
280	Induction of plantaricin MG under co-culture with certain lactic acid bacterial strains and identification of LuxS mediated quorum sensing system in <i>Lactobacillus plantarum</i> KLDS1.0391. 2012 , 23, 462-469		24
279	The putative sensor kinase QseC of <i>Salmonella enterica</i> serovar Typhi can promote invasion in the presence of glucose. 2012 , 45, 1004-1010		3
278	Quorum sensing: how bacteria can coordinate activity and synchronize their response to external signals?. 2012 , 21, 1403-17		117
277	Quantum gate circuit model of signal integration in bacterial quorum sensing. 2012 , 9, 571-9		7
276	Analysis of bacterial biofilms using NMR-based metabolomics. 2012 , 4, 1273-306		73
275	<i>Bifidobacterium</i> spp. influences the production of autoinducer-2 and biofilm formation by <i>Escherichia coli</i> O157:H7. 2012 , 18, 539-45		25
274	Transition state analogue inhibitors of human methylthioadenosine phosphorylase and bacterial methylthioadenosine/S-adenosylhomocysteine nucleosidase incorporating acyclic ribooxacarbenium ion mimics. 2012 , 20, 5181-7		12
273	Applications of small molecule activators and inhibitors of quorum sensing in Gram-negative bacteria. 2012 , 20, 449-58		155
272	Polyphosphate degradation in stationary phase triggers biofilm formation via LuxS quorum sensing system in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2012 , 7, e50368	3.7	31
271	Crystallization and preliminary X-ray analysis of S-ribosylhomocysteinase from <i>Streptococcus mutans</i> . 2012 , 68, 199-202		4
270	Microbial chemical signaling: a current perspective. 2012 , 38, 217-49		64

269	LuxS-dependent AI-2 regulates versatile functions in <i>Enterococcus faecalis</i> V583. 2012 , 11, 4465-75		24
268	An active site water broadens substrate specificity in S-ribosylhomocysteinease (LuxS): a docking, MD, and QM/MM study. 2012 , 116, 8916-29		8
267	Phosphoenolpyruvate phosphotransferase system regulates detection and processing of the quorum sensing signal autoinducer-2. 2012 , 84, 93-104		58
266	Thiophenones inhibit <i>Staphylococcus epidermidis</i> biofilm formation at nontoxic concentrations. 2012 , 65, 326-34		16
265	AI-2-mediated signalling in bacteria. 2013 , 37, 156-81		301
264	Biomimicry of quorum sensing using bacterial lifecycle model. <i>BMC Bioinformatics</i> , 2013 , 14 Suppl 8, S8	3.6	8
263	Moonlighting Cell Stress Proteins in Microbial Infections. <i>Heat Shock Proteins</i> , 2013 ,	0.2	3
262	Transactions Among Microorganisms and Plant in the Composite Rhizosphere Habitat. 2013 , 1-50		6
261	Future Trends in Biotechnology. 2013 ,		
260	Natural genome diversity of AI-2 quorum sensing in <i>Escherichia coli</i> : conserved signal production but labile signal reception. 2013 , 5, 16-30		19
259	Autoinducer 2 of <i>Fusobacterium nucleatum</i> as a target molecule to inhibit biofilm formation of periodontopathogens. 2013 , 58, 17-27		49
258	Cues and regulatory pathways involved in natural competence and transformation in pathogenic and environmental Gram-negative bacteria. 2013 , 37, 336-63		142
257	Pathogen espionage: multiple bacterial adrenergic sensors eavesdrop on host communication systems. 2013 , 87, 455-65		61
256	Biomolecular mechanisms of staphylococcal biofilm formation. 2013 , 8, 509-24		70
255	Quorum sensing inhibitors: a patent review. 2013 , 23, 867-94		46
254	Structure and Function of Microbial Communities. 2013 , 3-30		2
253	Surface cell density effects on <i>Escherichia coli</i> gene expression during cell attachment. 2013 , 47, 6223-30		6
252	Screening of <i>Actinobacillus pleuropneumoniae</i> LuxS inhibitors. 2013 , 67, 564-71		9

251	Interspecies communication among commensal and pathogenic streptococci. 2013 , 4,		48
250	Identification and characterization of extracellular cyclic dipeptides as quorum-sensing signal molecules from <i>Shewanella baltica</i> , the specific spoilage organism of <i>Pseudosciaena crocea</i> during 4 °C storage. 2013 , 61, 11645-52		56
249	N-acyl homoserine lactone-producing <i>Pseudomonas putida</i> strain T2-2 from human tongue surface. 2013 , 13, 13192-203		12
248	Development of quorum-based anti-virulence therapeutics targeting Gram-negative bacterial pathogens. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 16570-99	6.3	86
247	The periodontopathogenic bacterium <i>Eikenella corrodens</i> produces an autoinducer-2-inactivating enzyme. 2013 , 77, 1080-5		2
246	Analysis of autoinducer-2 quorum sensing in <i>Yersinia pestis</i> . 2013 , 81, 4053-62		16
245	Changes in bacterial growth rate govern expression of the <i>Borrelia burgdorferi</i> OspC and Erp infection-associated surface proteins. 2013 , 195, 757-64		37
244	Communication between Bacteria and Their Hosts. 2013 , 2013, 361073		57
243	Quorum-sensing autoinducers resuscitate dormant <i>Vibrio cholerae</i> in environmental water samples. 2013 , 110, 9926-31		54
242	Patterning bacterial communities on epithelial cells. <i>PLoS ONE</i> , 2013 , 8, e67165	3.7	27
241	Interference of bacterial cell-to-cell communication: a new concept of antimicrobial chemotherapy breaks antibiotic resistance. 2013 , 4, 114		57
240	Autoinducer-2 plays a crucial role in gut colonization and probiotic functionality of <i>Bifidobacterium breve</i> UCC2003. <i>PLoS ONE</i> , 2014 , 9, e98111	3.7	49
239	Quorum sensing signal production and microbial interactions in a polymicrobial disease of corals and the coral surface mucopolysaccharide layer. <i>PLoS ONE</i> , 2014 , 9, e108541	3.7	23
238	Quorum sensing in group A <i>Streptococcus</i> . 2014 , 4, 127		60
237	Non-Microbicidal Control of Bacterial Biofilms with Small Molecules. 2014 , 12, 120-138		14
236	Quorum Sensing in Bacteria and a Glance on <i>Pseudomonas aeruginosa</i> . 2014 , 03,		22
235	Regulatory elements involved in the expression of competence genes in naturally transformable <i>Vibrio cholerae</i> . 2014 , 14, 327		14
234	Control of Polymicrobial Biofilms: Recent Trends. 2014 , 327-358		

233	inhibitory effects of citral, cinnamaldehyde, and tea polyphenols on mixed biofilm formation by foodborne <i>Staphylococcus aureus</i> and <i>Salmonella enteritidis</i> . 2014 , 77, 927-33		39
232	Infectious Microecology. <i>Advanced Topics in Science and Technology in China</i> , 2014 ,	0.2	4
231	Electrochemical selection and characterization of a high current-generating <i>Shewanella oneidensis</i> mutant with altered cell-surface morphology and biofilm-related gene expression. 2014 , 14, 190		42
230	Production of AI-2 is mediated by the S-ribosylhomocystein lyase gene <i>luxS</i> in <i>Bacteroides fragilis</i> and <i>Bacteroides vulgatus</i> . 2014 , 54, 644-9		6
229	Multidirectional chemical signalling between Mammalian hosts, resident microbiota, and invasive pathogens: neuroendocrine hormone-induced changes in bacterial gene expression. 2014 , 817, 241-53		3
228	Comparative and genetic analysis of the four sequenced <i>Paenibacillus polymyxa</i> genomes reveals a diverse metabolism and conservation of genes relevant to plant-growth promotion and competitiveness. 2014 , 15, 851		48
227	Diversity, ecology and intestinal function of bifidobacteria. 2014 , 13 Suppl 1, S4		81
226	Residence of <i>Streptococcus pneumoniae</i> and <i>Moraxella catarrhalis</i> within polymicrobial biofilm promotes antibiotic resistance and bacterial persistence in vivo. 2014 , 70, 280-8		83
225	Community interactions of oral streptococci. 2014 , 87, 43-110		67
224	Antibiofilm Agents. 2014 ,		6
223	Bacterial quorum sensing: circuits and applications. 2014 , 105, 289-305		60
222	Rapid and simple colorimetric method for the quantification of AI-2 produced from <i>Salmonella Typhimurium</i> . 2014 , 99, 15-21		6
221	Biological circuits for signaling and synchronization in bacterial populations. 2014 ,		1
220	S-aryl-L-cysteine sulphoxides and related organosulphur compounds alter oral biofilm development and AI-2-based cell-cell communication. 2014 , 117, 1472-86		8
219	A new method for rapid construction of a <i>Pseudomonas</i> sp. HF-1 bioaugmented system: accelerating acylated homoserine lactones secretion by pH regulation. <i>Bioresource Technology</i> , 2014 , 169, 229-235	11	16
218	Microbial Endocrinology: The Microbiota-Gut-Brain Axis in Health and Disease. 2014 ,		40
217	Cooperative signal amplification for molecular communication in nanonetworks. 2014 , 20, 1611-1626		4
216	Effect of <i>Pseudomonas</i> sp. HF-1 inoculum on construction of a bioaugmented system for tobacco wastewater treatment: analysis from quorum sensing. 2014 , 21, 7945-55		14

215	Composition, anti-quorum sensing and antimicrobial activity of essential oils from <i>Lippia alba</i> . 2014 , 45, 759-67	24
214	Cell-to-Cell Signaling in <i>Escherichia coli</i> and <i>Salmonella</i> . 2014 , 6,	24
213	Genomic Evolution of Lactic Acid Bacteria. 2015 , 32-54	4
212	<i>luxS/AI-2</i> Quorum Sensing Is Involved in Antimicrobial Susceptibility in <i>Streptococcus agalactiae</i> . 2015 , 50, 8-15	4
211	Microbial Communication. 2015 , 461-481	1
210	Phytogenic compounds as alternatives to in-feed antibiotics: potentials and challenges in application. 2015 , 4, 137-56	134
209	Sub-MICs of <i>Mentha piperita</i> essential oil and menthol inhibits AHL mediated quorum sensing and biofilm of Gram-negative bacteria. 2015 , 6, 420	95
208	Human microbiomes and their roles in dysbiosis, common diseases, and novel therapeutic approaches. 2015 , 6, 1050	178
207	Labile Organic Matter in Soil Solution: I. Metabolites of Chemical Signaling Pathways from Plant-Microbe Interactions. 2015 , 157-172	5
206	Evaluation of Molecular Oscillation for Nanonetworks Based on Quorum Sensing. 2015 ,	
205	The impact of oregano (<i>Origanum heracleoticum</i>) essential oil and carvacrol on virulence gene transcription by <i>Escherichia coli</i> O157:H7. 2015 , 362, 1-7	24
204	Adaptations of Prokaryotes to Their Biotopes and to Physicochemical Conditions in Natural or Anthropized Environments. 2015 , 293-351	5
203	Effects of Soil Environment on Field Efficacy of Microbial Inoculants. 2015 , 353-381	10
202	Core principles of bacterial autoinducer systems. 2015 , 79, 153-69	106
201	Apparent role for <i>Borrelia burgdorferi</i> LuxS during mammalian infection. 2015 , 83, 1347-53	13
200	Quorum sensing mechanism in lactic acid bacteria. 2015 , 72, 79-90	1
199	The phosphorylation flow of the <i>Vibrio harveyi</i> quorum-sensing cascade determines levels of phenotypic heterogeneity in the population. 2015 , 197, 1747-56	37
198	The extracellular death factor (EDF) protects <i>Escherichia coli</i> by scavenging hydroxyl radicals induced by bactericidal antibiotics. 2015 , 4, 182	3

197	Diversity of quorum sensing autoinducer synthases in the Global Ocean Sampling metagenomic database. 2015 , 74, 107-119	34
196	Effect of the synthetic cannabinoid HU-210 on quorum sensing and on the production of quorum sensing-mediated virulence factors by <i>Vibrio harveyi</i> . 2015 , 15, 159	20
195	Plant Microbes Symbiosis: Applied Facets. 2015 ,	16
194	Regulation of toxin gene expression in <i>Clostridium perfringens</i> . 2015 , 166, 280-9	21
193	Quorum quenching enzymes. 2015 , 201, 2-14	174
192	Regulation of Toxin Production in <i>Clostridium perfringens</i> . 2016 , 8,	44
191	The LuxS Based Quorum Sensing Governs Lactose Induced Biofilm Formation by <i>Bacillus subtilis</i> . 2015 , 6, 1517	48
190	Integration of AI-2 Based Cell-Cell Signaling with Metabolic Cues in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2016 , 11, e0157532	3-7 9
189	Dental Chatter: Bacterial Cross-Talk in the Biofilm of the Oral Cavity. 2016 , 56, 273-281	2
188	Quorum Regulated Resistance of <i>Vibrio cholerae</i> against Environmental Bacteriophages. 2016 , 6, 37956	43
187	A novel compound to maintain a healthy oral plaque ecology in vitro. 2016 , 8, 32513	11
186	Rapid method of luxS and pfs gene inactivation in enterotoxigenic <i>Escherichia coli</i> and the effect on biofilm formation. 2016 , 13, 257-64	1
185	Remembrance of Microbes Past. 2016 , 105-113	
184	Pharmacophore modeling and structure-based virtual screening to identify potent inhibitors targeting LuxP of <i>Vibrio harveyi</i> . 2016 , 36, 617-632	11
183	Understanding, preventing and eradicating <i>Klebsiella pneumoniae</i> biofilms. 2016 , 11, 527-38	15
182	The talking language in some major Gram-negative bacteria. 2016 , 198, 489-99	20
181	Polymicrobial-Host Interactions during Infection. 2016 , 428, 3355-71	49
180	The Role of Microbes in Plastic Degradation. 2016 , 355-384	

179	D-Galactose as an autoinducer 2 inhibitor to control the biofilm formation of periodontopathogens. 2016 , 54, 632-637		34
178	Recent Advances in Bacterial Quorum Quenching. 2016 , 1206-1220		1
177	Initial detection of the quorum sensing autoinducer activity in the rumen of goats in vivo and in vitro. 2016 , 15, 2343-2352		5
176	DqsIR quorum sensing-mediated gene regulation of the extremophilic bacterium <i>Deinococcus radiodurans</i> in response to oxidative stress. 2016 , 100, 527-41		23
175	Deregulation of S-adenosylmethionine biosynthesis and regeneration improves methylation in the <i>E. coli</i> de novo vanillin biosynthesis pathway. 2016 , 15, 61		39
174	Autoinducer-2 detection among commensal oral streptococci is dependent on pH and boric acid. 2016 , 54, 492-502		3
173	Selection favors incompatible signaling in bacteria. 2016 , 113, 1968-70		1
172	Parallel quorum sensing signaling pathways in <i>Vibrio cholerae</i> . 2016 , 62, 255-60		30
171	Autoinducer-2 signaling is involved in regulation of stress-related genes of <i>Deinococcus radiodurans</i> . 2016 , 198, 43-51		13
170	Improved quorum sensing capacity by culturing <i>Vibrio harveyi</i> in microcapsules. 2016 , 121, 406-12		7
169	Monofluoroalkylation and alkylation of alcohols using non-volatile reagents. 2017 , 73, 1165-1169		10
168	Autoinducer 2 Signaling via the Phosphotransferase FruA Drives Galactose Utilization by <i>Streptococcus pneumoniae</i> , Resulting in Hypervirulence. 2017 , 8,		27
167	Antiquorum sensing natural compounds. <i>Journal of Microscopy and Ultrastructure</i> , 2017 ,	0.9	11
166	<i>Paenibacillus vortex</i> [A Bacterial Guide to the Wisdom of the Crowd. 2017 , 257-283		2
165	Phytochemical composition, anti-biofilm and anti-quorum sensing potential of fruit, stem and leaves of <i>Salvadora persica</i> L. methanolic extracts. <i>Microbial Pathogenesis</i> , 2017 , 109, 169-176	3.8	39
164	Analysis on pathogenic and virulent characteristics of the <i>Cronobacter sakazakii</i> strain BAA-894 by whole genome sequencing and its demonstration in basic biology science. <i>Microbial Pathogenesis</i> , 2017 , 109, 280-286	3.8	35
163	AI-2 quorum sensing negatively regulates <i>rbf</i> expression and biofilm formation in <i>Staphylococcus aureus</i> . 2017 , 307, 257-267		46
162	Quorum sensing: Little talks for an effective bacterial coordination. 2017 , 91, 1-11		59

161	Survival of an <i>Aggregatibacter actinomycetemcomitans</i> quorum sensing luxS mutant in the mouths of Rhesus monkeys: insights into ecological adaptation. 2017 , 32, 432-442	7
160	Involvement of LuxS in <i>Aeromonas salmonicida</i> metabolism, virulence and infection in Atlantic salmon (<i>Salmo salar</i> L). 2017 , 64, 260-269	8
159	Regulation of Gene and Protein Expression in the Lyme Disease Spirochete. 2018 , 415, 83-112	21
158	Strategies for Biofilm Inhibition and Virulence Attenuation of Foodborne Pathogen- <i>Escherichia coli</i> O157:H7. 2017 , 74, 1477-1489	22
157	In Silico Development of Quorum-Sensing Inhibitors. 2017 , 38, 728-734	5
156	Biofilms: An Overview of Their Significance in Plant and Soil Health. 2017 , 1-25	4
155	Different activated methyl cycle pathways affect the pathogenicity of avian pathogenic <i>Escherichia coli</i> . 2017 , 211, 160-168	8
154	The First Microbial Colonizers of the Human Gut: Composition, Activities, and Health Implications of the Infant Gut Microbiota. 2017 , 81,	626
153	Metabolic engineering of <i>Escherichia coli</i> W3110 for the production of L-methionine. 2017 , 44, 75-88	15
152	Anti-bacterial activity of peppermint (<i>Mentha piperita</i>) extracts against some emerging multi-drug resistant human bacterial pathogens. 2017 , 7, 27-30	21
151	Constructing "quantized quorums" to guide emergent phenotypes through quorum quenching capsules. 2017 , 114, 407-415	7
150	Molecular Mechanism of Quorum-Sensing in <i>Enterococcus faecalis</i> : Its Role in Virulence and Therapeutic Approaches. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3 50
149	The Social Life of through Biofilm and Quorum Sensing Systems. 2017 , 8, 37	53
148	Asymmetric regulation of quorum-sensing receptors drives autoinducer-specific gene expression programs in <i>Vibrio cholerae</i> . 2017 , 13, e1006826	26
147	Quorum sensing signal production by sponge-associated bacteria isolated from the Red Sea, Egypt. 2017 , 16, 1688-1698	5
146	Sonochemical incorporated of cytosine in Cu-Hbpdc as an antibacterial agent against standard and clinical strains of <i>Proteus mirabilis</i> with rsbA gene. 2018 , 44, 223-230	10
145	Microbes and Other Shamanic Beings. 2018 ,	11
144	Shamanic Microscopy: Cellular Souls, Microbial Spirits. 2018 , 29, 8-43	1

143	Essential oil components inhibit biofilm formation in <i>Erwinia carotovora</i> and <i>Pseudomonas fluorescens</i> via anti-quorum sensing activity. 2018 , 92, 133-139	31
142	Evaluation of two autoinducer-2 quantification methods for application in marine environments. 2018 , 124, 1469-1479	15
141	Patulin interference with ATP binding cassette transferring auto inducer δ in <i>Salmonella typhi</i> and biofilm inhibition via quorum sensing. 2018 , 11, 9-14	10
140	Syncretic Ontologies of the Microbial-Shamanic Beings. 2018 , 65-97	
139	"It's a gut feeling" - <i>Escherichia coli</i> biofilm formation in the gastrointestinal tract environment. 2018 , 44, 1-30	51
138	Quorum sensing inhibitors: can endophytes be prospective sources?. 2018 , 200, 355-369	19
137	Bifidobacteria and the infant gut: an example of co-evolution and natural selection. 2018 , 75, 103-118	81
136	Essential oils as alternatives to antibiotics in swine production. 2018 , 4, 126-136	115
135	Antimicrobial Activity of two <i>Mentha</i> Species Essential Oil and its Dependence on Different Origin and Chemical Diversity. 2018 , 13, 1934578X1801300	2
134	Penile prosthesis biofilm formation and emerging therapies against them. 2018 , 7, 960-967	6
133	Molecules Autoinducer 2 and <i>cjA</i> and Their Impact on Gene Expression in <i>Campylobacter jejuni</i> . 2018 , 28, 207-215	5
132	Quorum sensing in <i>Enterococcus faecium</i> , <i>Enterococcus faecalis</i> and <i>Bacillus cereus</i> strains isolated from ricotta processing. 2018 , 48,	2
131	In-Silico Prediction and Modeling of the Quorum Sensing LuxS Protein and Inhibition of AI-2 Biosynthesis in. 2018 , 23,	11
130	A Multiscale Agent-Based Model for the Investigation of <i>E. coli</i> K12 Metabolic Response During Biofilm Formation. 2018 , 80, 2917-2956	5
129	Quorum sensing and quenching in membrane bioreactors: Opportunities and challenges for biofouling control. <i>Bioresource Technology</i> , 2018 , 270, 656-668	11 50
128	Regulation of Thermostable Direct Hemolysin and Biofilm Formation of <i>Vibrio parahaemolyticus</i> by Quorum-Sensing Genes <i>luxM</i> and <i>luxS</i> . 2018 , 75, 1190-1197	13
127	Quorum sensing signals and related virulence inhibition of <i>Pseudomonas aeruginosa</i> by a potential probiotic strain's organic acid. <i>Microbial Pathogenesis</i> , 2018 , 121, 190-197	3.8 34
126	Role of in Stress Tolerance and Adhesion Ability in KLDS1.0391. 2018 , 2018, 4506829	14

125	Biofilms in the Spotlight: Detection, Quantification, and Removal Methods. 2018 , 17, 1261-1276	59
124	Could Positive Feedback Enable Bacterial Pheromone Signaling To Coordinate Behaviors in Response to Heterogeneous Environmental Cues?. 2018 , 9,	9
123	Therapeutic Targeting of the Accessory Gene Regulator () System. 2018 , 9, 55	78
122	Nanoparticles for Signaling in Biodiagnosis and Treatment of Infectious Diseases. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3 33
121	Quorum sensing intervened bacterial signaling: Pursuit of its cognizance and repression. 2018 , 16, 239-252	27
120	Quorum Sensing as a Mechanism of Microbial Control and Food Safety. 2018 , 85-107	1
119	Effect of Quorum Sensing. 2018 , 95-116	1
118	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. 2018 , 30, e1707073	39
117	Repurposing E. coli by Engineering Quorum Sensing and Redox Genetic Circuits. 2019 ,	1
116	Comparison of multiple methods for induction of necrotic enteritis in broilers: II. Impact on the growth curve. 2019 , 98, 5488-5496	3
115	Overview and future perspectives of nitrifying bacteria on biofilters for recirculating aquaculture systems. 2019 , 12, 1478	10
114	Quorum sensing in spp.: the complexity of multiple signalling molecules in marine and aquatic environments. 2019 , 45, 451-471	14
113	Production of acute hepatopancreatic necrosis disease toxin is affected by addition of cell-free supernatant prepared from AI-2-producing <i>Vibrio harveyi</i> mutant. 2019 , 50, 878-886	2
112	Multikinase Networks: Two-Component Signaling Networks Integrating Multiple Stimuli. 2019 , 73, 199-223	24
111	Enzymatic Quorum Quenching in Biofilms. 2019 , 173-193	3
110	Does the Endocannabinoid Anandamide Affect Bacterial Quorum Sensing, Vitality, and Motility?. 2019 , 4, 102-109	5
109	Selective Inhibitors of <i>Helicobacter pylori</i> Methylthioadenosine Nucleosidase and Human Methylthioadenosine Phosphorylase. 2019 , 62, 3286-3296	7
108	Amino acids as wetting agents: surface translocation by <i>Porphyromonas gingivalis</i> . 2019 , 13, 1560-1574	10

107	Suppressive effect of <i>Lactobacillus fermentum</i> Lim2 on <i>Clostridioides difficile</i> 027 toxin production. 2019 , 68, 386-393		6
106	Quorum Sensing Inhibition: Current Advances of the Natural Antimicrobial Agents. 2019 , 45, 488-504		1
105	Implication of Quorum Sensing and Biofilm Formation in Medicine, Agriculture and Food Industry. 2019 ,		2
104	<i>In Vitro</i> Screening of γ -Aminobutyric Acid and Autoinducer-2 Signalling in Lactic Acid Bacteria Exhibiting Probiotic Potential Isolated from Natural Black Conservolea Olives. 2019 , 8,		3
103	Recent progresses on synthesized LuxS inhibitors: A mini-review. 2019 , 27, 36-42		4
102	Antimicrobial activity and phytochemical screening of <i>Ocimum americanum</i> L extracts against pathogenic microorganisms. 2020 , 40, 214-220		3
101	New Vocabulary for Bacterial Communication. 2020 , 21, 759-768		10
100	Differential Effects of Growth Medium Salinity on Biofilm Formation of Two Strains. 2020 , 196-203		4
99	Progress Overview of Bacterial Two-Component Regulatory Systems as Potential Targets for Antimicrobial Chemotherapy. <i>Antibiotics</i> , 2020 , 9,	4-9	17
98	Current advances in <i>Vibrio harveyi</i> quorum sensing as drug discovery targets. 2020 , 207, 112741		3
97	New Approaches for Competing Microbial Resistance and Virulence. 2020 ,		
96	Sharing a β -Glucan Meal: Transcriptomic Eavesdropping on a <i>Bacteroides ovatus</i> - <i>Subdoligranulum variabile</i> - <i>Hungatella hathewayi</i> Consortium. 2020 , 86,		2
95	Quorum Quenching: A Potential Target for Antipseudomonal Therapy. 2020 , 13, 2989-3005		17
94	Multicellular String-Like Structure Formation by <i>Typhimurium</i> Depends on Cellulose Production: Roles of Diguanylate Cyclases, YedQ and YfiN. 2020 , 11, 613704		1
93	<i>In silico</i> bacteria evolve robust cooperation via complex quorum-sensing strategies. 2020 , 10, 8628		3
92	Language of plant-microbe-microbe interactions in rhizospheric ecosystems. 2020 , 59-76		1
91	Role of interspecies bacterial communication in the virulence of pathogenic bacteria. 2020 , 46, 136-146		9
90	Quorum sensing signal autoinducer-2 promotes root colonization of <i>Bacillus velezensis</i> SQR9 by affecting biofilm formation and motility. 2020 , 104, 7177-7185		11

89	Can rumen bacteria communicate to each other?. 2020 , 8, 23		14
88	Role of Bacillus species in biofilm persistence and emerging antibiofilm strategies in the dairy industry. 2020 , 100, 2327-2336		9
87	Nanozymology. <i>Nanostructure Science and Technology</i> , 2020 ,	0.9	11
86	The Role of in Histophilus somni Virulence and Biofilm Formation. 2021 , 89,		1
85	The genus bifidobacterium: From genomics to functionality of an important component of the mammalian gut microbiota running title: Bifidobacterial adaptation to and interaction with the host. 2021 , 19, 1472-1487		7
84	Exploring interfacial dynamics in homodimeric -ribosylhomocysteine lyase (LuxS) from through molecular dynamics simulations.. 2021 , 11, 1700-1714		0
83	An Efficient Synthesis of Optically Active [4-C] Labelled Quorum Sensing Signal Autoinducer-2. 2021 , 26,		0
82	AI-2 represses CagA expression and bacterial adhesion, attenuating the Helicobacter pylori-induced inflammatory response of gastric epithelial cells. 2021 , 26, e12778		2
81	Multi-Strain Probiotics: Synergy among Isolates Enhances Biological Activities. 2021 , 10,		7
80	Impact of activation of neotrehalosadiamine/kanosamine biosynthetic pathway on the metabolism of. 2021 ,		0
79	The Chemistry of Antibiofilm Phytocompounds. 2021 , 21, 1034-1047		1
78	Two Lysine Sites That Can Be Malonylated Are Important for LuxS Regulatory Roles in. 2021 , 9,		
77	Amino acid-derived quorum sensing molecule alanine on the GIT tolerance of the lactobacillus strains in the co-cultured fermentation model.		
76	Nanotargeting of Resistant Infections with a Special Emphasis on the Biofilm Landscape. 2021 , 32, 1411-1430		2
75	Environmental prevalence of toxigenic Vibrio cholerae O1 in Bangladesh coincides with V. cholerae non-O1 non-O139 genetic variants which overproduce autoinducer-2. <i>PLoS ONE</i> , 2021 , 16, e0254068	3.7	2
74	Mutagenic strategies against luxS gene affect the early stage of biofilm formation of Campylobacter jejuni. <i>Journal of Applied Genetics</i> , 2021 , 1	2.5	0
73	The effect of sublethal concentrations of benzalkonium chloride on the LuxS/AI-2 quorum sensing system, biofilm formation and motility of Escherichia coli. <i>International Journal of Food Microbiology</i> , 2021 , 353, 109313	5.8	1
72	The Cell-Cell Communication System of Agrobacterium Tumefaciens. 2008 , 593-622		2

71	Role of Rhizomicrobiome in Maintaining Soil Fertility and Crop Production. <i>Soil Biology</i> , 2020 , 373-401	1	1
70	Nanomaterials as a Novel Class of Anti-infective Agents that Attenuate Bacterial Quorum Sensing. 2019 , 581-604		2
69	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <i>Nanostructure Science and Technology</i> , 2020 , 195-278	0.9	4
68	Host Reactions to Biomaterials and Their Evaluation. 1996 , 293-X		2
67	The multifunctional enzyme S-adenosylhomocysteine/methylthioadenosine nucleosidase is a key metabolic enzyme in the virulence of <i>Salmonella enterica</i> var Typhimurium. <i>Biochemical Journal</i> , 2019 , 476, 3435-3453	3.8	1
66	CRISPR-based genome editing of clinically important <i>Escherichia coli</i> SE15 isolated from indwelling urinary catheters of patients. <i>Journal of Medical Microbiology</i> , 2017 , 66, 18-25	3.2	10
65	PhoB activation in non-limiting phosphate condition by the maintenance of high polyphosphate levels in the stationary phase inhibits biofilm formation in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2016 , 162, 1000-1008	2.9	9
64	A New Look at Secondary Metabolites. 307-322		3
63	Lambdoid Phages and Shiga Toxin. 129-164		8
62	Microbiota of Mucosal Surfaces in the Gut of Monogastric Animals. 161-178		2
61	Quorum Sensing in the Gastrointestinal Tract. 187-198		1
60	A Short History of the Development of the Biofilm Concept. 2004 , 4-19		25
59	Regulation of Extracellular Toxin Production in <i>Clostridium perfringens</i> . 281-294		1
58	The application of biofilm science to the study and control of chronic bacterial infections. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1466-1477	15.9	475
57	Interspecies communication in bacteria. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1291-9	15.9	367
56	The application of biofilm science to the study and control of chronic bacterial infections. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1466-77	15.9	214
55	Transcriptional and post-transcriptional regulation of the <i>Escherichia coli</i> luxS mRNA; involvement of the sRNA MicA. <i>PLoS ONE</i> , 2010 , 5, e13449	3.7	14
54	LsrR-mediated quorum sensing controls invasiveness of <i>Salmonella typhimurium</i> by regulating SPI-1 and flagella genes. <i>PLoS ONE</i> , 2012 , 7, e37059	3.7	41

53	Bifidobacteria exhibit LuxS-dependent autoinducer 2 activity and biofilm formation. <i>PLoS ONE</i> , 2014 , 9, e88260	3.7	48
52	Highlighting of quorum sensing lux genes and their expression in the hydrothermal vent shrimp <i>Rimicaris exoculata</i> ectosymbiotic community. Possible use as biogeographic markers. <i>PLoS ONE</i> , 2017 , 12, e0174338	3.7	6
51	<i>Campylobacter jejuni</i> transcriptome changes during loss of culturability in water. <i>PLoS ONE</i> , 2017 , 12, e0188936	3.7	11
50	Quorum Sensing Inhibitors/antagonists Countering Food Spoilage Bacteria-need Molecular and Pharmaceutical Intervention for Protecting Current Issues of Food Safety. <i>International Journal of Pharmacology</i> , 2016 , 12, 262-271	0.7	14
49	Biosynthesis of Autoinducer-2 as the Possible Mechanism to Enhance Decolourisation of Azo Dye by <i>Citrobacter freundii</i> A1. <i>Journal of Biological Sciences</i> , 2012 , 12, 91-97	0.4	1
48	Anti-Quorum Sensing Natural Compounds. <i>Journal of Microscopy and Ultrastructure</i> , 2018 , 6, 1-10	0.9	106
47	Microbial linguistics: perspectives and applications of microbial cell-to-cell communication. <i>BMB Reports</i> , 2011 , 44, 1-10	5.5	20
46	Ecological feedback in quorum-sensing microbial populations can induce heterogeneous production of autoinducers. <i>ELife</i> , 2017 , 6,	8.9	17
45	Construction of protocell-based artificial signal transduction pathways. <i>Chemical Communications</i> , 2021 , 57, 12754-12763	5.8	0
44	Cryo-EM structures of pentameric autoinducer-2 exporter from <i>E. coli</i> reveal its transport mechanism.		1
43	Quorum Sensing. 1		
42	Quorum Sensing as a Target for Novel Biocontrol Strategies Directed at <i>Pectobacterium</i> . 2010 , 121-131		
41	The Language. <i>SpringerBriefs in Food, Health and Nutrition</i> , 2012 , 1-19	0.4	
40	Host Neuroendocrine Stress Hormones Driving Bacterial Behaviour and Virulence. <i>Heat Shock Proteins</i> , 2013 , 387-398	0.2	
39	Ecology of Oral Infectious Diseases. <i>Advanced Topics in Science and Technology in China</i> , 2014 , 227-292	0.2	0
38	Microbial Signaling. 2016 , 147-175		1
37	<i>Campylobacter jejuni</i> transcriptome changes during loss of culturability in water.		1
36	<i>Clostridioides difficile</i> LuxS mediates inter-bacterial interactions within biofilms.		

35	Significance of Quorum Sensing and Biofilm Formation in Medicine and Veterinary Sciences. 2019 , 87-99		
34	In silicobacteria evolve robust cooperation via complex quorum-sensing strategies.		1
33	Methicillin-Resistant Proteome Response to Antibiotic Stress Provides Insights for New Therapeutic Strategies. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 711-724	3.8	0
32	Bacterial signalling mechanism: An innovative microbial intervention with multifaceted applications in microbial electrochemical technologies: A review. <i>Bioresource Technology</i> , 2022 , 344, 126218	11	10
31	Analytics and visualization tools to characterize single-cell stochasticity using bacterial single-cell movie cytometry data. <i>BMC Bioinformatics</i> , 2021 , 22, 531	3.6	0
30	Bacterial Biofilms in Bioremediation of Metal-Contaminated Aquatic Environments. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 117-135	0.8	
29	Quorum sensing signal autoinducer-2 inhibits sporulation of Bacillus by interacting with RapC and functions across species.		
28	Small RNA Control of Cell-to-Cell Communication in Vibrio Harveyi and Vibrio Cholerae. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2008 , 45-59	0.2	
27	Phytocompound Mediated Blockage of Quorum Sensing Cascade in ESKAPE Pathogens.. <i>Antibiotics</i> , 2022 , 11,	4.9	7
26	In silico analysis of Ahyl protein and AI-1 inhibition using N-cis-octadec-9z-enoyl-l-homoserine lactone inhibitor in Aeromonas hydrophila.. <i>Microbial Pathogenesis</i> , 2021 , 162, 105356	3.8	1
25	Quorum Sensing Regulates Bacterial Processes That Play a Major Role in Marine Biogeochemical Cycles. <i>Frontiers in Marine Science</i> , 2022 , 9,	4.5	2
24	Expression of AHPND toxin genes (pirAB), quorum sensing master regulator gene (luxR) and transmembrane transcriptional regulator gene (toxR) in Vibrio parahaemolyticus and Vibrio harveyi during infection of Penaeus vannamei (Bonne, 1931). <i>Aquaculture</i> , 2022 , 551, 737895	4.4	0
23	Anti-quorum Sensing Properties of Mushrooms. 2022 , 355-372		
22	Virtual screening and in vitro experimental verification of LuxS inhibitors from natural products for Lactobacillus reuteri.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 147, 112521	7.5	1
21	Amino Acid-Derived Quorum Sensing Molecule Alanine on the Gastrointestinal Tract Tolerance of the Strains in the Cocultured Fermentation Model.. <i>Microbiology Spectrum</i> , 2022 , e0083221	8.9	0
20	Microbial biofilms: Recent advances and progress in environmental bioremediation.. <i>Science of the Total Environment</i> , 2022 , 153843	10.2	6
19	Quorum Sensing of Lactic Acid Bacteria: Progress and Insights. <i>Food Reviews International</i> , 1-12	5.5	1
18	Atlantic Salmon Mucins Inhibit -Dependent AI-2 Quorum Sensing in an -Acetylneuraminic Acid-Dependent Manner.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	0

17	Data_Sheet_1.docx. 2020 ,		
16	Engineering cofactor supply and recycling to drive phenolic acid biosynthesis in yeast.. <i>Nature Chemical Biology</i> , 2022 , 18, 520-529	11.7	4
15	Elucidation of the AI-2 communication system in the food-borne pathogen <i>Campylobacter jejuni</i> by whole-cell-based biosensor quantification. <i>Biosensors and Bioelectronics</i> , 2022 , 212, 114439	11.8	1
14	Quorum Sensing in the Rhizosphere. <i>Rhizosphere Biology</i> , 2022 , 99-134	0.8	1
13	AI-2/LuxS Quorum Sensing System Promotes Biofilm Formation of <i>Lactobacillus rhamnosus</i> GG and Enhances the Resistance to Enterotoxigenic <i>Escherichia coli</i> in Germ-Free Zebrafish. <i>Microbiology Spectrum</i> ,	8.9	0
12	Cryo-EM structures of pentameric autoinducer-2 exporter from <i>Escherichia coli</i> reveal its transport mechanism. <i>EMBO Journal</i> ,	13	1
11	<i>Bacillus licheniformis</i> PF9 improves barrier function and alleviates inflammatory responses against enterotoxigenic <i>Escherichia coli</i> F4 infection in the porcine intestinal epithelial cells. <i>Journal of Animal Science and Biotechnology</i> , 2022 , 13,	6	1
10	In Silico Screening of Quorum Sensing Inhibitor Candidates Obtained by Chemical Similarity Search. 2022 , 27, 4887		0
9	Exploring AI-2-mediated interspecies communications within rumen microbial communities. 2022 , 10,		0
8	Strategies to combat antimicrobial resistance in Indian scenario. 2022 , 91,		0
7	Cellular Stress-Induced Metabolites in <i>Escherichia coli</i> .		0
6	Synthesis and potential of Autoinducer-2 and analogs to manipulate inter-species Quorum Sensing.		0
5	β -Lactams from the Ocean. 2023 , 21, 86		0
4	The Multifaceted MEP Pathway: Towards New Therapeutic Perspectives. 2023 , 28, 1403		0
3	The Antibacterial Effect of Cannabigerol toward <i>Streptococcus mutans</i> Is Influenced by the Autoinducers 21-CSP and AI-2. 2023 , 11, 668		0
2	Structural modification of the <i>Pseudomonas aeruginosa</i> alkylquinoline cell-cell communication signal, HHQ, leads to benzofuranoquinolines with anti-virulence behaviour in ESKAPE pathogens. 2023 , 169,		0
1	Chemical talk within plant holobiont: A fascinating conversation. 2023 , 165-203		0