

Kim R Hardie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4737715/publications.pdf>

Version: 2024-02-01

46
papers

3,588
citations

159585

30
h-index

223800

46
g-index

53
all docs

53
docs citations

53
times ranked

3412
citing authors

#	ARTICLE	IF	CITATIONS
1	Making 'sense' of metabolism: autoinducer-2, LUXS and pathogenic bacteria. <i>Nature Reviews Microbiology</i> , 2005, 3, 383-396.	28.6	533
2	LuxS: its role in central metabolism and the in vitro synthesis of 4-hydroxy-5-methyl-3(2H)-furanone. <i>Microbiology (United Kingdom)</i> , 2002, 148, 909-922.	1.8	314
3	Bacterial cell-to-cell communication: sorry, can't talk now "gone to lunch!". <i>Current Opinion in Microbiology</i> , 2002, 5, 216-222.	5.1	301
4	Establishing bacterial communities by 'word of mouth': LuxS and autoinducer 2 in biofilm development. <i>Nature Reviews Microbiology</i> , 2008, 6, 635-643.	28.6	206
5	Simultaneous quantitative profiling of N-acyl-L-homoserine lactone and 2-alkyl-4(1H)-quinolone families of quorum-sensing signaling molecules using LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 839-850.	3.7	168
6	LuxS and Autoinducer-2: Their Contribution to Quorum Sensing and Metabolism in Bacteria. <i>Advances in Applied Microbiology</i> , 2003, 53, 291-396.	2.4	142
7	LuxS-dependent quorum sensing in <i>Porphyromonas gingivalis</i> modulates protease and haemagglutinin activities but is not essential for virulence. <i>Microbiology (United Kingdom)</i> , 2002, 148, 763-772.	1.8	140
8	The Role of Flagella in <i>Clostridium difficile</i> Pathogenesis: Comparison between a Non-Epidemic and an Epidemic Strain. <i>PLoS ONE</i> , 2013, 8, e73026.	2.5	117
9	The secretin-specific, chaperone-like protein of the general secretory pathway: separation of proteolytic protection and piloting functions. <i>Molecular Microbiology</i> , 1996, 22, 967-976.	2.5	116
10	Recent progress and future directions in studies of the main terminal branch of the general secretory pathway in Gram-negative bacteria "a review. <i>Gene</i> , 1997, 192, 13-19.	2.2	106
11	Functional association between the <i>Helicobacter pylori</i> virulence factors VacA and CagA. <i>Journal of Medical Microbiology</i> , 2008, 57, 145-150.	1.8	100
12	The C-terminal domain of the secretin PulD contains the binding site for its cognate chaperone, PulS, and confers PulS dependence on pIV ^{f1} function. <i>Molecular Microbiology</i> , 1997, 24, 465-475.	2.5	99
13	NapA protects <i>Helicobacter pylori</i> from oxidative stress damage, and its production is influenced by the ferric uptake regulator. <i>Journal of Medical Microbiology</i> , 2003, 52, 461-469.	1.8	99
14	Analysis of the carbapenem gene cluster of <i>Erwinia carotovora</i> : definition of the antibiotic biosynthetic genes and evidence for a novel β -lactam resistance mechanism. <i>Molecular Microbiology</i> , 1997, 26, 545-556.	2.5	91
15	Genetic Dissection of the Outer Membrane Secretin PulD: Are There Distinct Domains for Multimerization and Secretion Specificity?. <i>Journal of Bacteriology</i> , 1999, 181, 7212-7220.	2.2	79
16	<i>Vibrio</i> spp. secrete proaerolysin as a folded dimer without the need for disulphide bond formation. <i>Molecular Microbiology</i> , 1995, 17, 1035-1044.	2.5	78
17	In vitro biosynthesis of the <i>Pseudomonas aeruginosa</i> quorum-sensing signal molecule N-butanoyl-L-homoserine lactone. <i>Molecular Microbiology</i> , 2002, 28, 193-203.	2.5	73
18	Role of <i>Neisseria meningitidis</i> luxS in Cell-to-Cell Signaling and Bacteremic Infection. <i>Infection and Immunity</i> , 2002, 70, 2245-2248.	2.2	71

#	ARTICLE	IF	CITATIONS
19	Quantitative liquid chromatography–tandem mass spectrometry profiling of activated methyl cycle metabolites involved in LuxS-dependent quorum sensing in <i>Escherichia coli</i> . <i>Analytical Biochemistry</i> , 2010, 403, 20-29.	2.4	56
20	Dual bioresponsive antibiotic and quorum sensing inhibitor combination nanoparticles for treatment of <i>Pseudomonas aeruginosa</i> biofilms <i>in vitro</i> and <i>ex vivo</i> . <i>Biomaterials Science</i> , 2019, 7, 4099-4111.	5.4	56
21	Pore formation in artificial membranes by the secreted hemolysins of <i>Proteus vulgaris</i> and <i>Morganella morganii</i> . <i>FEBS Journal</i> , 1994, 220, 339-347.	0.2	49
22	A Novel Virulence Strategy for <i>Pseudomonas aeruginosa</i> Mediated by an Autotransporter with Arginine-Specific Aminopeptidase Activity. <i>PLoS Pathogens</i> , 2012, 8, e1002854.	4.7	45
23	Autoinducer 2 activity in <i>Escherichia coli</i> culture supernatants can be actively reduced despite maintenance of an active synthase, LuxS. <i>Microbiology (United Kingdom)</i> , 2003, 149, 715-728.	1.8	43
24	Comparative genomics and proteomics of <i>Helicobacter mustelae</i> , an ulcerogenic and carcinogenic gastric pathogen. <i>BMC Genomics</i> , 2010, 11, 164.	2.8	40
25	AI-2 does not function as a quorum sensing molecule in <i>Campylobacter jejuni</i> during exponential growth <i>in vitro</i> . <i>BMC Microbiology</i> , 2009, 9, 214.	3.3	38
26	Cryo-OrbiSIMS for 3D Molecular Imaging of a Bacterial Biofilm in Its Native State. <i>Analytical Chemistry</i> , 2020, 92, 9008-9015.	6.5	37
27	LuxS-independent formation of AI-2 from ribulose-5-phosphate. <i>BMC Microbiology</i> , 2008, 8, 98.	3.3	36
28	Challenges and solutions in polymer drug delivery for bacterial biofilm treatment: A tissue-by-tissue account. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113973.	13.7	36
29	Growth Deficiencies of <i>Neisseria meningitidis</i> pfs and luxS Mutants Are Not Due to Inactivation of Quorum Sensing. <i>Journal of Bacteriology</i> , 2009, 191, 1293-1302.	2.2	35
30	In <i>Helicobacter pylori</i> auto-inducer-2, but not LuxS/MccAB catalysed reverse transsulphuration, regulates motility through modulation of flagellar gene transcription. <i>BMC Microbiology</i> , 2010, 10, 210.	3.3	34
31	In <i>Helicobacter pylori</i> , LuxS Is a Key Enzyme in Cysteine Provision through a Reverse Transsulfuration Pathway. <i>Journal of Bacteriology</i> , 2010, 192, 1184-1192.	2.2	34
32	Independent interaction of the acyltransferase HlyC with two maturation domains of the <i>Escherichia coli</i> toxin HlyA. <i>Molecular Microbiology</i> , 1996, 20, 813-822.	2.5	33
33	JMM Profile: Carbapenems: a broad-spectrum antibiotic. <i>Journal of Medical Microbiology</i> , 2021, 70, .	1.8	29
34	A Simple Polymicrobial Biofilm Keratinocyte Colonization Model for Exploring Interactions Between Commensals, Pathogens and Antimicrobials. <i>Frontiers in Microbiology</i> , 2020, 11, 291.	3.5	23
35	New frontiers against antibiotic resistance: A Raman-based approach for rapid detection of bacterial susceptibility and biocide-induced antibiotic cross-tolerance. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127774.	7.8	19
36	Fluorescent nanosensors reveal dynamic pH gradients during biofilm formation. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 50.	6.4	19

#	ARTICLE	IF	CITATIONS
37	Helicobacter pylori FlhB Function: the FlhB C-Terminal Homologue HP1575 Acts as a "Spare Part" To Permit Flagellar Export When the HP0770 FlhB CC Domain Is Deleted. <i>Journal of Bacteriology</i> , 2006, 188, 7531-7541.	2.2	17
38	Determining the molar mass of a plasma substitute succinylated gelatin by size exclusion chromatography"multi-angle laser light scattering, sedimentation equilibrium and conventional size exclusion chromatography. <i>Journal of Chromatography A</i> , 2002, 957, 139-148.	3.7	15
39	Electrostatic sensor for identifying interactions between peptides and bacterial membranes. <i>Molecular Immunology</i> , 2003, 40, 407-411.	2.2	14
40	Improving children's and their visitors' hand hygiene compliance. <i>Journal of Infection Prevention</i> , 2020, 21, 60-67.	0.9	11
41	Antimicrobial resistance: the good, the bad, and the ugly. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 129-136.	2.6	10
42	Disruption of the <i>Pseudomonas aeruginosa</i> Tat system perturbs PQS-dependent quorum sensing and biofilm maturation through lack of the Rieske cytochrome bc1 sub-unit. <i>PLoS Pathogens</i> , 2021, 17, e1009425.	4.7	8
43	All subtypes of the cytotoxin VacA adsorb to the surface of <i>Helicobacter pylori</i> post-secretion. <i>Journal of Medical Microbiology</i> , 2005, 54, 621-630.	1.8	7
44	Microfluidic-based Growth and Imaging of Bacterial Biofilms. <i>Bio-protocol</i> , 2019, 9, .	0.4	4
45	Functional complementation of <i>E. coli</i> secD and secE mutants by <i>Helicobacter pylori</i> homologues. <i>FEMS Microbiology Letters</i> , 2003, 229, 57-63.	1.8	3
46	Editorial Conference Report 6th Midlands Molecular Microbiology Meeting (M4) 2019, 9/10 September, Nottingham University Jubilee Conference Centre, UK. <i>Journal of Medical Microbiology</i> , 2020, 69, 1-2.	1.8	3