Kim R Hardie

List of Publications by Year
in descending order

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	Fluorescent nanosensors reveal dynamic pH gradients during biofilm formation. Npj Biofilms and Microbiomes, 2021, 7, 50.	6.4	19
2	Disruption of the Pseudomonas aeruginosa Tat system perturbs PQS-dependent quorum sensing and biofilm maturation through lack of the Rieske cytochrome bc1 sub-unit. PLoS Pathogens, 2021, 17, e1009425.	4.7	8
3	Challenges and solutions in polymer drug delivery for bacterial biofilm treatment: A tissue-by-tissue account. Advanced Drug Delivery Reviews, 2021, 178, 113973.	13.7	36
4	JMM Profile: Carbapenems: a broad-spectrum antibiotic. Journal of Medical Microbiology, 2021, 70, .	1.8	29
5	Improving childrenâ€™s and their visitorsâ€™ hand hygiene compliance. Journal of Infection Prevention, 2020, 21, 60-67.	0.9	11
6	Cryo-OrbiSIMS for 3D Molecular Imaging of a Bacterial Biofilm in Its Native State. Analytical Chemistry, 2020, 92, 9008-9015.	6.5	37
7	A Simple Polymicrobial Biofilm Keratinocyte Colonization Model for Exploring Interactions Between Commensals, Pathogens and Antimicrobials. Frontiers in Microbiology, 2020, 11, 291.	3.5	23
8	New frontiers against antibiotic resistance: A Raman-based approach for rapid detection of bacterial susceptibility and biocide-induced antibiotic cross-tolerance. Sensors and Actuators B: Chemical, 2020, 309, 127774.	7.8	19
9	Antimicrobial resistance: the good, the bad, and the ugly. Emerging Topics in Life Sciences, 2020, 4, 129-136.	2.6	10
10	Editorial Conference Report 6th Midlands Molecular Microbiology Meeting (M4) 2019, 9/10 September, Nottingham University Jubilee Conference Centre, UK. Journal of Medical Microbiology, 2020, 69, 1-2.	1.8	3
11	Dual bioresponsive antibiotic and quorum sensing inhibitor combination nanoparticles for treatment of Pseudomonas aeruginosa biofilms in vitro and ex vivo. Biomaterials Science, 2019, 7, 4099-4111.	5.4	56
12	Microfluidic-based Growth and Imaging of Bacterial Biofilms. Bio-protocol, 2019, 9, .	0.4	4
13	The Role of Flagella in Clostridium difficile Pathogenesis: Comparison between a Non-Epidemic and an Epidemic Strain. PLoS ONE, 2013, 8, e73026.	2.5	117
14	A Novel Virulence Strategy for Pseudomonas aeruginosa Mediated by an Autotransporter with Arginine-Specific Aminopeptidase Activity. PLoS Pathogens, 2012, 8, e1002854.	4.7	45
15	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. Analytical and Bioanalytical Chemistry, 2011, 399, 839-850.	3.7	168
16	Comparative genomics and proteomics of Helicobacter mustelae, an ulcerogenic and carcinogenic gastric pathogen. BMC Genomics, 2010, 11, 164.	2.8	40
17	In Helicobacter pylori auto-inducer-2, but not LuxS/MccAB catalysed reverse transsulphuration, regulates motility through modulation of flagellar gene transcription. BMC Microbiology, 2010, 10, 210.	3.3	34
18	Quantitative liquid chromatographyâ€“tandem mass spectrometry profiling of activated methyl cycle metabolites involved in LuxS-dependent quorum sensing in Escherichia coli. Analytical Biochemistry, 2010, 403, 20-29.	2.4	56

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19	In Helicobacter pylori , LuxS Is a Key Enzyme in Cysteine Provision through a Reverse Transsulfuration Pathway. Journal of Bacteriology, 2010, 192, 1184-1192.	2.2	34
20	Growth Deficiencies of Neisseria meningitidis pfs and luxS Mutants Are Not Due to Inactivation of Quorum Sensing. Journal of Bacteriology, 2009, 191, 1293-1302.	2.2	35
21	AI-2 does not function as a quorum sensing molecule in Campylobacter jejuni during exponential growth in vitro. BMC Microbiology, 2009, 9, 214.	3.3	38
22	Establishing bacterial communities by 'word of mouth': LuxS and autoinducer 2 in biofilm development. Nature Reviews Microbiology, 2008, 6, 635-643.	28.6	206
23	LuxS-independent formation of AI-2 from ribulose-5-phosphate. BMC Microbiology, 2008, 8, 98.	3.3	36
24	Functional association between the Helicobacter pylori virulence factors VacA and CagA. Journal of Medical Microbiology, 2008, 57, 145-150.	1.8	100
25	Helicobacter pylori FlhB Function: the FlhB C-Terminal Homologue HP1575 Acts as a â€œSpare Partâ€•To Permit Flagellar Export When the HP0770 FlhB CC Domain Is Deleted. Journal of Bacteriology, 2006, 188, 7531-7541.	2.2	17
26	Making 'sense' of metabolism: autoinducer-2, LUXS and pathogenic bacteria. Nature Reviews Microbiology, 2005, 3, 383-396.	28.6	533
27	All subtypes of the cytotoxin VacA adsorb to the surface of Helicobacter pylori post-secretion. Journal of Medical Microbiology, 2005, 54, 621-630.	1.8	7
28	Functional complementation ofE. coli secDandsecGmutants byHelicobacter pylorihomologues. FEMS Microbiology Letters, 2003, 229, 57-63.	1.8	3
29	Electrostatic sensor for identifying interactions between peptides and bacterial membranes. Molecular Immunology, 2003, 40, 407-411.	2.2	14
30	LuxS and Autoinducer-2: Their Contribution to Quorum Sensing and Metabolism in Bacteria. Advances in Applied Microbiology, 2003, 53, 291-396.	2.4	142
31	Autoinducer 2 activity in Escherichia coli culture supernatants can be actively reduced despite maintenance of an active synthase, LuxS. Microbiology (United Kingdom), 2003, 149, 715-728.	1.8	43
32	NapA protects Helicobacter pylori from oxidative stress damage, and its production is influenced by the ferric uptake regulator. Journal of Medical Microbiology, 2003, 52, 461-469.	1.8	99
33	Role of Neisseria meningitidis luxS in Cell-to-Cell Signaling and Bacteremic Infection. Infection and Immunity, 2002, 70, 2245-2248.	2.2	71
34	LuxS: its role in central metabolism and the in vitro synthesis of 4-hydroxy-5-methyl-3(2H)-furanone. Microbiology (United Kingdom), 2002, 148, 909-922.	1.8	314
35	LuxS-dependent quorum sensing in Porphyromonas gingivalis modulates protease and haemagglutinin activities but is not essential for virulence. Microbiology (United Kingdom), 2002, 148, 763-772.	1.8	140
36	Bacterial cell-to-cell communication: sorry, can't talk now â€” gone to lunch!. Current Opinion in Microbiology, 2002, 5, 216-222.	5.1	301

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37	In vitro biosynthesis of the Pseudomonas aeruginosa quorum-sensing signal molecule N-butanoyl-L-homoserine lactone. Molecular Microbiology, 2002, 28, 193-203.	2.5	73
38	Determining the molar mass of a plasma substitute succinylated gelatin by size exclusion chromatographyâ€“multi-angle laser light scattering, sedimentation equilibrium and conventional size exclusion chromatography. Journal of Chromatography A, 2002, 957, 139-148.	3.7	15
39	Genetic Dissection of the Outer Membrane Secretin PulD: Are There Distinct Domains for Multimerization and Secretion Specificity?. Journal of Bacteriology, 1999, 181, 7212-7220.	2.2	79
40	Recent progress and future directions in studies of the main terminal branch of the general secretory pathway in Gram-negative bacteria â€“ a review. Gene, 1997, 192, 13-19.	2.2	106
41	The Câ€terminal domain of the secretin PulD contains the binding site for its cognate chaperone, PulS, and confers PulS dependence on pIV^{f1} function. Molecular Microbiology, 1997, 24, 465-475.	2.5	99
42	Analysis of the carbapenem gene cluster of Erwinia carotovora: definition of the antibiotic biosynthetic genes and evidence for a novel Î²â€lactam resistance mechanism. Molecular Microbiology, 1997, 26, 545-556.	2.5	91
43	The secretinâ€specific, chaperoneâ€like protein of the general secretory pathway: separation of proteolytic protection and piloting functions. Molecular Microbiology, 1996, 22, 967-976.	2.5	116
44	Independent interaction of the acyltransferase HlyC with two maturation domains of the Escherichia coli toxin HlyA. Molecular Microbiology, 1996, 20, 813-822.	2.5	33
45	Vibrio spp. secrete proaerolysin as a folded dimer without the need for disulphide bond formation. Molecular Microbiology, 1995, 17, 1035-1044.	2.5	78
46	Pore formation in artificial membranes by the secreted hemolysins of Proteus vulgaris and Morganella morganii. FEBS Journal, 1994, 220, 339-347.	0.2	49