

Philip Hill

List of Publications by Year in descending order

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59
papers

4,586
citations

172457

29
h-index

149698

56
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63
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63
docs citations

63
times ranked

4892
citing authors

#	ARTICLE	IF	CITATIONS
1	Quorum-sensing cross talk: isolation and chemical characterization of cyclic dipeptides from <i>Pseudomonas aeruginosa</i> and other Gram-negative bacteria. <i>Molecular Microbiology</i> , 1999, 33, 1254-1266.	2.5	516
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	Alternative roles of ClpX and ClpP in <i>Staphylococcus aureus</i> stress tolerance and virulence. <i>Molecular Microbiology</i> , 2003, 48, 1565-1578.	2.5	291
4	Clp ATPases are required for stress tolerance, intracellular replication and biofilm formation in <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2004, 54, 1445-1462.	2.5	287
5	A general role for the lux autoinducer in bacterial cell signalling: control of antibiotic biosynthesis in <i>Erwinia</i> . <i>Gene</i> , 1992, 116, 87-91.	2.2	260
6	Bacterial Community Structure and Location in Stilton Cheese. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3540-3548.	3.1	242
7	Engineering the luxCDABE genes from <i>Photobacterium luminescens</i> to provide a bioluminescent reporter for constitutive and promoter probe plasmids and mini-Tn5 constructs. <i>FEMS Microbiology Letters</i> , 1998, 163, 193-202.	1.8	240
8	A novel strategy for the isolation of luxI homologues: evidence for the widespread distribution of a LuxR:LuxI superfamily in enteric bacteria. <i>Molecular Microbiology</i> , 1993, 10, 511-520.	2.5	212
9	Demonstration of antifreeze protein activity in Antarctic lake bacteria. <i>Microbiology (United Kingdom)</i> 147:1073-1078. doi:10.1099/0022271X-147-1073-1078	1.8	195
10	Structure, activity and evolution of the group I thiolactone peptide quorum-sensing system of <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2001, 41, 503-512.	2.5	189
11	Tumor-specific colonization, tissue distribution, and gene induction by probiotic <i>Escherichia coli</i> Nissle 1917 in live mice. <i>International Journal of Medical Microbiology</i> , 2007, 297, 151-162.	3.6	167
12	agr Expression Precedes Escape of Internalized <i>Staphylococcus aureus</i> from the Host Endosome. <i>Infection and Immunity</i> , 2001, 69, 7074-7082.	2.2	162
13	N-Acylhomoserine Lactones Antagonize Virulence Gene Expression and Quorum Sensing in <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2006, 74, 910-919.	2.2	141
14	Synthesis of Multiple N-Acylhomoserine Lactones is Wide-spread Among the Members of the <i>Burkholderia cepacia</i> Complex. <i>Systematic and Applied Microbiology</i> , 2001, 24, 1-14.	2.8	139
15	Molecular Cloning and Analysis of a Putative Siderophore ABC Transporter from <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2000, 68, 6281-6288.	2.2	100
16	SirR, a Novel Iron-Dependent Repressor in <i>Staphylococcus epidermidis</i> . <i>Infection and Immunity</i> , 1998, 66, 4123-4129.	2.2	98
17	Molecular Cloning of a 32-Kilodalton Lipoprotein Component of a Novel Iron-Regulated <i>Staphylococcus epidermidis</i> ABC Transporter. <i>Infection and Immunity</i> , 1998, 66, 3767-3774.	2.2	92
18	Ultra sensitive detection of <i>Listeria monocytogenes</i> in milk by the polymerase chain reaction (PCR). <i>Letters in Applied Microbiology</i> , 1992, 15, 248-252.	2.2	71

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19	sae is essential for expression of the staphylococcal adhesins Eap and Emp. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	69
20	Down-regulation of two non-homologous endogenous tomato genes with a single chimaeric sense gene construct. Plant Molecular Biology, 1993, 23, 1-9.	3.9	63
21	Enterobacterial tumor colonization in mice depends on bacterial metabolism and macrophages but is independent of chemotaxis and motility. International Journal of Medical Microbiology, 2010, 300, 449-456.	3.6	59
22	Blow fly <i>Lucilia sericata</i> nuclease digests DNA associated with wound slough/eschar and with <i>Pseudomonas aeruginosa</i> biofilm. Medical and Veterinary Entomology, 2012, 26, 432-439.	1.5	56
23	Real-Time Monitoring of Intracellular Staphylococcus aureus Replication. Journal of Bacteriology, 2004, 186, 1065-1077.	2.2	55
24	Bioluminescence and spores as biological indicators of inimical processes. Journal of Applied Bacteriology, 1994, 76, 129S-134S.	1.1	43
25	Conservation, Surface Exposure, and In Vivo Expression of the Frp Family of Iron-Regulated Cell Wall Proteins in Staphylococcus aureus. Infection and Immunity, 2002, 70, 2399-2407.	2.2	42
26	Development of a fluorescence in situ hybridization method for cheese using a 16S rRNA probe. Journal of Microbiological Methods, 2003, 52, 267-271.	1.6	42
27	Germination-Induced Bioluminescence, a Route To Determine the Inhibitory Effect of a Combination Preservation Treatment on Bacterial Spores. Applied and Environmental Microbiology, 2000, 66, 3735-3742.	3.1	38
28	The Filter-Feeding Ciliates Colpidium striatum and Tetrahymena pyriformis Display Selective Feeding Behaviours in the Presence of Mixed, Equally-Sized, Bacterial Prey. Protist, 2010, 161, 577-588.	1.5	38
29	Magnetic Resonance Imaging of Tumors Colonized with Bacterial Ferritin-Expressing Escherichia coli. PLoS ONE, 2011, 6, e25409.	2.5	36
30	PCR based gene engineering of the Vibrio harveyi lux operon and the Escherichia coli trp operon provides for biochemically functional native and fused gene products. Molecular Genetics and Genomics, 1991, 226-226, 41-48.	2.4	34
31	Host protein interactions with enteropathogenic Escherichia coli (EPEC): 14-3-3tau binds Tir and has a role in EPEC-induced actin polymerization. Cellular Microbiology, 2006, 8, 55-71.	2.1	27
32	Synthesis, in Vitro Evaluation, and Radiolabeling of Fluorinated Puromycin Analogues: Potential Candidates for PET Imaging of Protein Synthesis. Journal of Medicinal Chemistry, 2016, 59, 9422-9430.	6.4	23
33	Use of lux genes in applied biochemistry. Luminescence, 1994, 9, 211-215.	0.0	21
34	The dynamic balance of import and export of zinc in <i>Escherichia coli</i> suggests a heterogeneous population response to stress. Journal of the Royal Society Interface, 2015, 12, 20150069.	3.4	19
35	Highly bioluminescent Bacillus subtilis obtained through high-level expression of a luxAB fusion gene. Molecular Genetics and Genomics, 1991, 230, 251-256.	2.4	18
36	Microbial dynamics and flagellate grazing during transition to winter in Lakes Hoare and Bonney, Antarctica. FEMS Microbiology Ecology, 2012, 82, 449-458.	2.7	18

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37	Hypothalamic over-expression of VGF in the Siberian hamster increases energy expenditure and reduces body weight gain. PLoS ONE, 2017, 12, e0172724.	2.5	17
38	A Bioluminescent Microbial Biosensor for In Vitro Pretreatment Assessment of Cytarabine Efficacy in Leukemia. Clinical Chemistry, 2010, 56, 1862-1870.	3.2	16
39	[18F]FDG-6-P as a novel in vivo tool for imaging staphylococcal infections. EJNMMI Research, 2015, 5, 13.	2.5	15
40	The use of a viral 2A sequence for the simultaneous over-expression of both the vgf gene and enhanced green fluorescent protein (eGFP) in vitro and in vivo. Journal of Neuroscience Methods, 2015, 256, 22-29.	2.5	15
41	Construction and evaluation of multisite recombinatorial (Gateway) cloning vectors for Gram-positive bacteria. BMC Molecular Biology, 2007, 8, 80.	3.0	14
42	Reconstructing promoter activity from Lux bioluminescent reporters. PLoS Computational Biology, 2017, 13, e1005731.	3.2	14
43	Myristoylation negative msbB-mutants of probiotic E. coli Nissle 1917 retain tumor specific colonization properties but show less side effects in immunocompetent mice. Bioengineered Bugs, 2010, 1, 139-145.	1.7	13
44	Thyroid hormone and vitamin D regulate VGF expression and promoter activity. Journal of Molecular Endocrinology, 2016, 56, 123-134.	2.5	12
45	The Polymerase Chain Reaction in Molecular and Micro-biology. Biotechnology and Genetic Engineering Reviews, 1992, 10, 343-378.	6.2	10
46	Marine-Source Quorum Quenching Enzyme YtnP to Improve Hygiene Quality in Dental Units. Marine Drugs, 2021, 19, 225.	4.6	10
47	Engineering the luxCDABE genes from Photobacterium luminescens to provide a bioluminescent reporter for constitutive and promoter probe plasmids and mini-Tn5 constructs. FEMS Microbiology Letters, 1998, 163, 193-202.	1.8	9
48	Construction of a doxycycline inducible adipogenic lentiviral expression system. Plasmid, 2013, 69, 96-103.	1.4	6
49	Fusion expression of bifunctional enzyme complex for luciferin-recycling to enhance the luminescence imaging. Journal of Photochemistry and Photobiology B: Biology, 2018, 185, 66-72.	3.8	4
50	Biosynthetic bifunctional enzyme complex with high-efficiency luciferin-recycling to enhance the bioluminescence imaging. International Journal of Biological Macromolecules, 2019, 130, 705-714.	7.5	4
51	Ultrasound-mediation of self-illuminating reporters improves imaging resolution in optically scattering media. Biomedical Optics Express, 2018, 9, 1664.	2.9	3
52	Development of a novel inducible bioluminescent and antibiotic resistance tagging system and its use to investigate the role of antibiotic production by Pectobacterium carotovorum ssp. carotovorum during potato tuber infection. European Journal of Plant Pathology, 2009, 125, 655-664.	1.7	2
53	Ultrasound modulation of bioluminescence generated inside a turbid medium. , 2017, , .		1
54	Gaussia Luciferase as a Reporter for Quorum Sensing in Staphylococcus aureus. Sensors, 2020, 20, 4305.	3.8	1

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55	A Rapid Assay of Cytosine Arabinoside Uptake and Metabolism by Acute Myeloid Leukaemic Cells Using a Bioluminescent Bacterial Biosensor.. Blood, 2007, 110, 4308-4308.	1.4	1
56	EVALUATION OF AN IN VIVO GENE INDUCTION SYSTEM IN INFECTED TUMOR-BEARING MICE. , 2007, , .		0
57	Improving image reconstruction of bioluminescence imaging using a priori information from ultrasound imaging (Conference Presentation). , 2017, , .		0
58	CONSTRUCTION OF A NOVEL BIOLUMINESCENT BACTERIAL BIOSENSOR FOR REAL-TIME MONITORING OF CYTOTOXIC DRUGS ACTIVITY. , 2005, , .		0
59	USE OF BIOLUMINESCENT SALMONELLA TYPHIMURIUM DT104 TO MONITOR UPTAKE AND INTRACELLULAR SURVIVAL WITHIN A HUMAN CELL-LINE. , 2005, , .		0