Ian R Monk

List of Publications by Year
in descending order

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62 papers	3,414 citations	147801 31 h-index	155660 55 g-index
72 all docs	72 docs citations	72 times ranked	4449 citing authors

#	Article	IF	Citations
1	Transforming the Untransformable: Application of Direct Transformation To Manipulate Genetically Staphylococcus aureus and Staphylococcus epidermidis. MBio, 2012, 3, .	4.1	458
2	Global spread of three multidrug-resistant lineages of Staphylococcus epidermidis. Nature Microbiology, 2018, 3, 1175-1185.	13.3	206
3	Tools for Functional Postgenomic Analysis ofListeria monocytogenes. Applied and Environmental Microbiology, 2008, 74, 3921-3934.	3.1	205
4	Complete Bypass of Restriction Systems for Major Staphylococcus aureus Lineages. MBio, 2015, 6, e00308-15.	4.1	168
5	Increasing tolerance of hospital Enterococcus faecium to handwash alcohols. Science Translational Medicine, 2018, 10, .	12.4	165
6	AgrDâ€dependent quorum sensing affects biofilm formation, invasion, virulence and global gene expression profiles in Listeria monocytogenes. Molecular Microbiology, 2009, 71, 1177-1189.	2.5	158
7	Nasal Colonisation by Staphylococcus aureus Depends upon Clumping Factor B Binding to the Squamous Epithelial Cell Envelope Protein Loricrin. PLoS Pathogens, 2012, 8, e1003092.	4.7	133
8	Survival of Listeria monocytogenes Attached to Stainless Steel Surfaces in the Presence or Absence of Flavobacterium spp.. Journal of Food Protection, 2001, 64, 1369-1376.	1.7	106
9	Improved Luciferase Tagging System for Listeria monocytogenes Allows Real-Time Monitoring In Vivo and In Vitro. Applied and Environmental Microbiology, 2007, 73, 3091-3094.	3.1	101
10	Subdomains N2N3 of Fibronectin Binding Protein A Mediate Staphylococcus aureus Biofilm Formation and Adherence to Fibrinogen Using Distinct Mechanisms. Journal of Bacteriology, 2013, 195, 2675-2683.	2.2	90
11	Manipulation of Autophagy in Phagocytes Facilitates Staphylococcus aureus Bloodstream Infection. Infection and Immunity, 2015, 83, 3445-3457.	2.2	81
12	Genetic manipulation of Staphylococciâ€”breaking through the barrier. Frontiers in Cellular and Infection Microbiology, 2012, 2, 49.	3.9	76
13	Inactivation of Listeria monocytogenes/Flavobacterium spp. biofilms using chlorine: impact of substrate, pH, time and concentration. Letters in Applied Microbiology, 2002, 35, 321-325.	2.2	74
14	Novel Luciferase Reporter System for In Vitro and Organ-Specific Monitoring of Differential Gene Expression in Listeria monocytogenes. Applied and Environmental Microbiology, 2006, 72, 2876-2884.	3.1	69
15	A NovelListeria monocytogenes-Based DNA Delivery System for Cancer Gene Therapy. Human Gene Therapy, 2010, 21, 405-416.	2.7	69
16	Unstable chromosome rearrangements in Staphylococcus aureus cause phenotype switching associated with persistent infections. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20135-20140.	7.1	69
17	Hyperexpression of Î±-hemolysin explains enhanced virulence of sequence type 93 community-associated methicillin-resistant Staphylococcus aureus. BMC Microbiology, 2014, 14, 31.	3.3	68
18	Staphylococcus aureus small colony variants impair host immunity by activating host cell glycolysis and inducing necroptosis. Nature Microbiology, 2020, 5, 141-153.	13.3	65

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19	Validation of a single-step, single-tube reverse transcription loop-mediated isothermal amplification assay for rapid detection of SARS-CoV-2 RNA. Journal of Medical Microbiology, 2020, 69, 1169-1178.	1.8	61
20	Convergent Evolution Driven by Rifampin Exacerbates the Global Burden of Drug-Resistant Staphylococcus aureus. MSphere, 2018, 3, .	2.9	55
21	Morphotypic Conversion in Listeria monocytogenes Biofilm Formation: Biological Significance of Rough Colony Isolates. Applied and Environmental Microbiology, 2004, 70, 6686-6694.	3.1	50
22	Modeling staphylococcal pneumonia in a human 3D lung tissue model system delineates toxin-mediated pathology. DMM Disease Models and Mechanisms, 2015, 8, 1413-25.	2.4	47
23	Evolutionary origins of the emergent ST796 clone of vancomycin resistantEnterococcus faecium. PeerJ, 2017, 5, e2916.	2.0	46
24	Bystander Activation of Pulmonary Trm Cells Attenuates the Severity of Bacterial Pneumonia by Enhancing Neutrophil Recruitment. Cell Reports, 2019, 29, 4236-4244.e3.	6.4	44
25	Sortase A promotes virulence in experimental Staphylococcus lugdunensis endocarditis. Microbiology (United Kingdom), 2013, 159, 2141-2152.	1.8	40
26	De Novo Guanine Biosynthesis but Not the Riboswitch-Regulated Purine Salvage Pathway Is Required for Staphylococcus aureus Infection In Vivo. Journal of Bacteriology, 2016, 198, 2001-2015.	2.2	38
27	Zinc-binding to the cytoplasmic PAS domain regulates the essential WalK histidine kinase of Staphylococcus aureus. Nature Communications, 2019, 10, 3067.	12.8	38
28	Development of multiple strain competitive index assays for Listeria monocytogenes using pIMC; a new site-specific integrative vector. BMC Microbiology, 2008, 8, 96.	3.3	37
29	Directed evolution and targeted mutagenesis to murinize listeria monocytogenes internalin A for enhanced infectivity in the murine oral infection model. BMC Microbiology, 2010, 10, 318.	3.3	36
30	Fibronectin Binding Proteins SpsD and SpsL Both Support Invasion of Canine Epithelial Cells by Staphylococcus pseudintermedius. Infection and Immunity, 2015, 83, 4093-4102.	2.2	35
31	Genomic Analysis of Multiresistant Staphylococcus capitis Associated with Neonatal Sepsis. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	34
32	A point mutation in AgrC determines cytotoxic or colonizing properties associated with phenotypic variants of ST22 MRSA strains. Scientific Reports, 2016, 6, 31360.	3.3	32
33	Vancomycin-intermediate Staphylococcus aureus isolates are attenuated for virulence when compared with susceptible progenitors. Clinical Microbiology and Infection, 2017, 23, 767-773.	6.0	30
34	Topical Antibiotic Use Coselects for the Carriage of Mobile Genetic Elements Conferring Resistance to Unrelated Antimicrobials in Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	28
35	Mining the Methylome Reveals Extensive Diversity in Staphylococcus epidermidis Restriction Modification. MBio, 2019, 10, .	4.1	28
36	Comprehensive Genomic Investigation of Adaptive Mutations Driving the Low-Level Oxacillin Resistance Phenotype in Staphylococcus aureus. MBio, 2020, 11, .	4.1	27

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37	Comprehensive antibiotic-linked mutation assessment by resistance mutation sequencing (RM-seq). Genome Medicine, 2018, 10, 63.	8.2	26
38	Evolution of Daptomycin Resistance in Coagulase-Negative Staphylococci Involves Mutations of the Essential Two-Component Regulator WalKR. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	22
39	Competing for Iron: Duplication and Amplification of the isd Locus in Staphylococcus lugdunensis HKU09-01 Provides a Competitive Advantage to Overcome Nutritional Limitation. PLoS Genetics, 2016, 12, e1006246.	3.5	22
40	Daptomycin selects for genetic and phenotypic adaptations leading to antibiotic tolerance in MRSA. Journal of Antimicrobial Chemotherapy, 2018, 73, 2030-2033.	3.0	21
41	Within-host evolution of bovine Staphylococcus aureus selects for a SigB-deficient pathotype characterized by reduced virulence but enhanced proteolytic activity and biofilm formation. Scientific Reports, 2019, 9, 13479.	3.3	20
42	From cloning to mutant in 5 days: rapid allelic exchange in Staphylococcus aureus. Access Microbiology, 2020, 3, 000193.	0.5	20
43	Genomic analysis of ST88 community-acquired methicillin resistantStaphylococcus aureusin Ghana. PeerJ, 2017, 5, e3047.	2.0	20
44	YycH and YycI Regulate Expression of Staphylococcus aureus Autolysins by Activation of WalRK Phosphorylation. Microorganisms, 2020, 8, 870.	3.6	19
45	Correspondence: Spontaneous secondary mutations confound analysis of the essential two-component system WalKR in Staphylococcus aureus. Nature Communications, 2017, 8, 14403.	12.8	18
46	Functional analysis of the first complete genome sequence of a multidrug resistant sequence type 2 Staphylococcus epidermidis. Microbial Genomics, 2016, 2, e000077.	2.0	17
47	Large tandem chromosome expansions facilitate niche adaptation during persistent infection with drug-resistant Staphylococcus aureus. Microbial Genomics, 2015, 1, e000026.	2.0	16
48	RNase III-CLASH of multi-drug resistant Staphylococcus aureus reveals a regulatory mRNA 3â€²UTR required for intermediate vancomycin resistance. Nature Communications, 2022, 13, .	12.8	15
49	Development of a Steam Treatment to Eliminate Listeria monocytogenes From King Salmon (Oncorhynchus tshawytscha). Journal of Food Science, 2002, 67, 2282-2287.	3.1	14
50	Staphylococcus aureus Superantigen-Like Protein SSL1: A Toxic Protease. Pathogens, 2019, 8, 2.	2.8	13
51	Two TIR-like domain containing proteins in a newly emerging zoonotic Staphylococcus aureus strain sequence type 398 are potential virulence factors by impacting on the host innate immune response. Frontiers in Microbiology, 2014, 5, 662.	3.5	11
52	Screening of rationally designed oligopeptides for Listeria monocytogenes detection by means of a high density colorimetric microarray. Mikrochimica Acta, 2008, 163, 227-235.	5.0	9
53	Neutrophils play an ongoing role in preventing bacterial pneumonia by blocking the dissemination of Staphylococcus aureus from the upper to the lower airways. Immunology and Cell Biology, 2020, 98, 577-594.	2.3	9
54	Genomewide Profiling of the Enterococcus faecalis Transcriptional Response to Teixobactin Reveals CroRS as an Essential Regulator of Antimicrobial Tolerance. MSphere, 2019, 4, .	2.9	8

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55	Comparative Transcriptomic and Functional Assessments of Linezolid-Responsive Small RNA Genes in Staphylococcus aureus. MSystems, 2020, 5, .	3.8	7
56	Low-Cost, Open-Source Device for High-Performance Fluorescence Detection of Isothermal Nucleic Acid Amplification Reactions. ACS Biomaterials Science and Engineering, 2021, 7, 4982-4990.	5.2	6
57	Staphylococcus aureus specific lung resident memory CD4+ Th1 cells attenuate the severity of influenza virus induced secondary bacterial pneumonia. Mucosal Immunology, 0, , .	6.0	6
58	The phage integrase vector pIPI03 allows RecA -independent, site-specific labelling of Staphylococcus lugdunensis strains. Plasmid, 2013, 70, 377-384.	1.4	5
59	Clinical Relevance of Topical Antibiotic Use in Coselecting for Multidrug-Resistant Staphylococcus aureus: Insights from In Vitro and Ex Vivo Models. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	4
60	Accessible Platform for High-Throughput COVID-19 Molecular Diagnostics and Genome Sequencing Using a Repurposed 3D Printer for RNA Extraction. ACS Biomaterials Science and Engineering, 2021, 7, 4669-4676.	5.2	3
61	Antimicrobial tolerance and its role in the development of resistance: Lessons from enterococci. Advances in Microbial Physiology, 2022, , .	2.4	3
62	LSC Abstract â€“ Severity of lung tissue pathology is dictated by S. aureus toxins eliciting series of cytolytic and chemotactic responses. , 2015, , .		0