

Karen Lolans

List of Publications by Year in descending order

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66
papers

4,715
citations

147801

31
h-index

128289

60
g-index

73
all docs

73
docs citations

73
times ranked

5037
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted versus Universal Decolonization to Prevent ICU Infection. <i>New England Journal of Medicine</i> , 2013, 368, 2255-2265.	27.0	676
2	Acquisition of a natural resistance gene renders a clinical strain of methicillin-resistant <i>Staphylococcus aureus</i> resistant to the synthetic antibiotic linezolid. <i>Molecular Microbiology</i> , 2007, 64, 1506-1514.	2.5	300
3	First Identification of <i>Pseudomonas aeruginosa</i> Isolates Producing a KPC-Type Carbapenem-Hydrolyzing β -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1553-1555.	3.2	262
4	Multiple Resistance Mechanisms among <i>Aspergillus fumigatus</i> Mutants with High-Level Resistance to Itraconazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 1719-1726.	3.2	246
5	Development of Daptomycin Resistance In Vivo in Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Journal of Clinical Microbiology</i> , 2005, 43, 5285-5287.	3.9	223
6	First Detection of the Plasmid-Mediated Class A Carbapenemase KPC-2 in Clinical Isolates of <i>Klebsiella pneumoniae</i> from South America. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2880-2882.	3.2	213
7	Emergence and Rapid Regional Spread of <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Enterobacteriaceae. <i>Clinical Infectious Diseases</i> , 2011, 53, 532-540.	5.8	200
8	The Importance of Long-term Acute Care Hospitals in the Regional Epidemiology of <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Enterobacteriaceae. <i>Clinical Infectious Diseases</i> , 2013, 57, 1246-1252.	5.8	190
9	Multicity Outbreak of Carbapenem-Resistant <i>Acinetobacter baumannii</i> Isolates Producing the Carbapenemase OXA-40. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2941-2945.	3.2	184
10	Successful Control of an Outbreak of <i>Klebsiella pneumoniae</i> Carbapenemase-Producing <i>K. pneumoniae</i> at a Long-Term Acute Care Hospital. <i>Infection Control and Hospital Epidemiology</i> , 2010, 31, 341-347.	1.8	158
11	Prevention of Colonization and Infection by <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Enterobacteriaceae in Long-term Acute-Care Hospitals. <i>Clinical Infectious Diseases</i> , 2015, 60, 1153-1161.	5.8	158
12	Emergence of Resistance to Daptomycin during Treatment of Vancomycin-Resistant <i>Enterococcus faecalis</i> Infection. <i>Clinical Infectious Diseases</i> , 2005, 41, 565-566.	5.8	138
13	Functional and genetic markers of niche partitioning among enigmatic members of the human oral microbiome. <i>Genome Biology</i> , 2020, 21, 292.	8.8	132
14	AdeABC-mediated efflux and tigecycline MICs for epidemic clones of <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1589-1593.	3.0	129
15	Comparison of stool versus rectal swab samples and storage conditions on bacterial community profiles. <i>BMC Microbiology</i> , 2017, 17, 78.	3.3	125
16	Comparison of a Novel, Rapid Chromogenic Biochemical Assay, the Carba NP Test, with the Modified Hodge Test for Detection of Carbapenemase-Producing Gram-Negative Bacilli. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3097-3101.	3.9	100
17	Transfer from High-Acuity Long-Term Care Facilities Is Associated with Carriage of <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Enterobacteriaceae: A Multihospital Study. <i>Infection Control and Hospital Epidemiology</i> , 2012, 33, 1193-1199.	1.8	88
18	Chlorhexidine and Mupirocin Susceptibility of Methicillin-Resistant <i>Staphylococcus aureus</i> Isolates in the REDUCE-MRSA Trial. <i>Journal of Clinical Microbiology</i> , 2016, 54, 2735-2742.	3.9	76

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19	Increased Relative Abundance of <i>Klebsiella pneumoniae</i> Carbapenemase-producing <i>Klebsiella pneumoniae</i> Within the Gut Microbiota Is Associated With Risk of Bloodstream Infection in Long-term Acute Care Hospital Patients. <i>Clinical Infectious Diseases</i> , 2019, 68, 2053-2059.	5.8	72
20	Dissemination of <i>Acinetobacter baumannii</i> Clones with OXA-23 Carbapenemase in Colombian Hospitals. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2001-2004.	3.2	71
21	Direct Ertapenem Disk Screening Method for Identification of KPC-Producing <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> in Surveillance Swab Specimens. <i>Journal of Clinical Microbiology</i> , 2010, 48, 836-841.	3.9	65
22	CTX-M-12 β -Lactamase in a <i>Klebsiella pneumoniae</i> Clinical Isolate in Colombia. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 629-631.	3.2	57
23	Successful Eradication of a Monoclonal Strain of <i>Klebsiella pneumoniae</i> Carbapenemase-Producing <i>K. pneumoniae</i> Outbreak in a Surgical Intensive Care Unit in Miami, Florida. <i>Infection Control and Hospital Epidemiology</i> , 2010, 31, 1074-1077.	1.8	55
24	Impact of doffing errors on healthcare worker self-contamination when caring for patients on contact precautions. <i>Infection Control and Hospital Epidemiology</i> , 2019, 40, 559-565.	1.8	50
25	Integrated genomic and interfacility patient-transfer data reveal the transmission pathways of multidrug-resistant <i>Klebsiella pneumoniae</i> in a regional outbreak. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	47
26	Community Transmission in the United States of a CTX-M-15-Producing Sequence Type ST131 <i>Escherichia coli</i> Strain Resulting in Death. <i>Journal of Clinical Microbiology</i> , 2011, 49, 3406-3408.	3.9	44
27	Anatomic Sites of Patient Colonization and Environmental Contamination with <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Enterobacteriaceae at Long-Term Acute Care Hospitals. <i>Infection Control and Hospital Epidemiology</i> , 2013, 34, 56-61.	1.8	44
28	Interferon inducible pseudouridine modification in human mRNA by quantitative nanopore profiling. <i>Genome Biology</i> , 2021, 22, 330.	8.8	44
29	The Effectiveness of Routine Daily Chlorhexidine Gluconate Bathing in Reducing <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Enterobacteriaceae Skin Burden among Long-Term Acute Care Hospital Patients. <i>Infection Control and Hospital Epidemiology</i> , 2014, 35, 440-442.	1.8	43
30	SME-3, a Novel Member of the <i>Serratia marcescens</i> SME Family of Carbapenem-Hydrolyzing β -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 3485-3487.	3.2	42
31	The <i>Wolbachia</i> mobilome in <i>Culex pipiens</i> includes a putative plasmid. <i>Nature Communications</i> , 2019, 10, 1051.	12.8	42
32	Rapid and Direct Real-Time Detection of <i>bla</i> KPC and <i>bla</i> NDM from Surveillance Samples. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3609-3615.	3.9	36
33	Duration of Colonization With <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Bacteria at Long-Term Acute Care Hospitals in Chicago, Illinois. <i>Open Forum Infectious Diseases</i> , 2016, 3, ofw178.	0.9	35
34	Modeling Spread of KPC-Producing Bacteria in Long-Term Acute Care Hospitals in the Chicago Region, USA. <i>Infection Control and Hospital Epidemiology</i> , 2015, 36, 1148-1154.	1.8	32
35	Mechanisms of resistance to β -lactams in some common Gram-negative bacteria causing nosocomial infections. <i>Expert Review of Anti-Infective Therapy</i> , 2005, 3, 915-922.	4.4	29
36	First Detection of Metallo- β -Lactamase VIM-2 in <i>Pseudomonas aeruginosa</i> Isolates from Colombia. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 226-229.	3.2	28

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37	Modifiable Risk Factors for the Spread of <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Enterobacteriaceae Among Long-Term Acute-Care Hospital Patients. <i>Infection Control and Hospital Epidemiology</i> , 2017, 38, 670-677.	1.8	24
38	Differential Effects of Chlorhexidine Skin Cleansing Methods on Residual Chlorhexidine Skin Concentrations and Bacterial Recovery. <i>Infection Control and Hospital Epidemiology</i> , 2018, 39, 405-411.	1.8	24
39	High molecular weight DNA extraction strategies for long-read sequencing of complex metagenomes. <i>Molecular Ecology Resources</i> , 2022, 22, 1786-1802.	4.8	24
40	Four cases of invasive methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) infections treated with tigecycline. <i>Scandinavian Journal of Infectious Diseases</i> , 2006, 38, 1081-1084.	1.5	23
41	Quinazolinone fungal efflux pump inhibitors. Part 3: (N-methyl)piperazine variants and pharmacokinetic optimization. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2802-2806.	2.2	22
42	Quinazolinone-based fungal efflux pump inhibitors. Part 1: Discovery of an (N-methylpiperazine)-containing derivative with activity in clinically relevant <i>Candida</i> spp.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 5127-5131.	2.2	21
43	Importance of Molecular Methods to Determine Whether a Probiotic is the Source of <i>Lactobacillus</i> Bacteremia. <i>Probiotics and Antimicrobial Proteins</i> , 2016, 8, 31-40.	3.9	18
44	Quinazolinone fungal efflux pump inhibitors. Part 2: In vitro structure-activity relationships of (N-methyl-piperazinyl)-containing derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 5133-5137.	2.2	17
45	Comparison of the CHROMagar KPC, Remel Spectra CRE, and a direct ertapenem disk method for the detection of KPC-producing Enterobacteriaceae from perirectal swabs. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 78, 356-359.	1.8	14
46	Nosocomial acquisition of <i>Pseudomonas aeruginosa</i> resistant to both ciprofloxacin and imipenem: a risk factor and laboratory analysis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2008, 27, 565-570.	2.9	11
47	Notes from the Field: Large Cluster of Verona Integron-Encoded Metallo-Beta-Lactamase-Producing Carbapenem-Resistant <i>Pseudomonas aeruginosa</i> Isolates Colonizing Residents at a Skilled Nursing Facility – Chicago, Illinois, November 2016–March 2018. <i>Morbidity and Mortality Weekly Report</i> , 2018, 67, 1130-1131.	15.1	11
48	Regional Epidemiology of Methicillin-Resistant <i>Staphylococcus aureus</i> Among Adult Intensive Care Unit Patients Following State-Mandated Active Surveillance. <i>Clinical Infectious Diseases</i> , 2018, 66, 1535-1539.	5.8	10
49	Gut Microbiota and Clinical Features Distinguish Colonization With <i>Klebsiella pneumoniae</i> Carbapenemase-Producing <i>Klebsiella pneumoniae</i> at the Time of Admission to a Long-term Acute Care Hospital. <i>Open Forum Infectious Diseases</i> , 2018, 5, ofy190.	0.9	10
50	Regional Epidemiology of Methicillin-Resistant <i>Staphylococcus aureus</i> Among Critically Ill Children in a State With Mandated Active Surveillance. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2016, 5, 409-416.	1.3	9
51	The Importance of Ventilator Skilled Nursing Facilities (vSNFs) in the Regional Epidemiology of Carbapenemase-Producing Organisms (CPOs). <i>Open Forum Infectious Diseases</i> , 2017, 4, S137-S138.	0.9	7
52	Flocked nylon swabs versus RODAC plates for detection of multidrug-resistant organisms on environmental surfaces in intensive care units. <i>Journal of Hospital Infection</i> , 2018, 98, 105-108.	2.9	5
53	Chlorhexidine (CHG) and mupirocin susceptibility of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) isolates in the REDUCE-MRSA trial. <i>Open Forum Infectious Diseases</i> , 2014, 1, S30-S31.	0.9	4
54	4. 137 Hospital Cluster-Randomized Trial of Mupirocin-Chlorhexidine vs Iodophor-Chlorhexidine for Universal Decolonization in Intensive Care Units (ICUs) (Mupirocin Iodophor Swap Out Trial). <i>Open Forum Infectious Diseases</i> , 2021, 8, S3-S4.	0.9	4

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55	Cohorting KPC+ <i>Klebsiella pneumoniae</i> (KPC-Kp)â€“positive patients: A genomic exposÃ© of cross-colonization hazards in a long-term acute-care hospital (LTACH). <i>Infection Control and Hospital Epidemiology</i> , 2020, 41, 1162-1168.	1.8	3
56	Threshold-free genomic cluster detection to track transmission pathways in health-care settings: a genomic epidemiology analysis. <i>Lancet Microbe</i> , The, 2022, , .	7.3	3
57	1289A randomized cross-over clinical trial to compare 3.15% chlorhexidine/70% isopropyl alcohol (CHG) vs 70% isopropyl alcohol alone (alcohol) and 5s vs 15s scrub for routine disinfection of needless connectors (NCs) on central venous catheters (CVCs) in an adult medical intensive care unit (ICU). <i>Open Forum Infectious Diseases</i> , 2014, 1, S48-S49.	0.9	1
58	Co-circulation of Influenza A and B During the 2016â€“2017 Influenza Season at Rush University Medical Center. <i>Open Forum Infectious Diseases</i> , 2017, 4, S314-S315.	0.9	1
59	1764. The Gut: A Veiled Reservoir for Multidrug-resistant Organisms (MDROs) Below the Tip of the Iceberg. <i>Open Forum Infectious Diseases</i> , 2018, 5, S63-S63.	0.9	1
60	1394 Validation of Rosco Diagnostica Diffusion Discs for Identification of Carbapenem Resistance Mechanisms in a Clinical Laboratory. <i>Open Forum Infectious Diseases</i> , 2014, 1, S367-S367.	0.9	0
61	Impact of Doffing Errors on Healthcare Worker Self-Contamination When Caring for Patients on Contact Precautions. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.9	0
62	Longitudinal Comparison of the Microbiota During <i>Klebsiella pneumoniae</i> Carbapenemase-Producing <i>Klebsiella pneumoniae</i> (KPC-Kp) Acquisition in Long-Term Acute Care Hospital (LTACH) patients. <i>Open Forum Infectious Diseases</i> , 2017, 4, S48-S49.	0.9	0
63	2849. Gut Microbiota Differences at the Time of Medical Intensive Care Unit (MICU) Admission Are Associated with Acquisition of Multi-drug-Resistant Organisms (MDROs) Among Patients Not Already Colonized with an MDRO. <i>Open Forum Infectious Diseases</i> , 2019, 6, S71-S72.	0.9	0
64	572. Relationship Between Chlorhexidine Gluconate (CHG) Skin Concentrations and Microbial Skin Colonization among Medical Intensive Care Unit (MICU) Patients. <i>Open Forum Infectious Diseases</i> , 2019, 6, S270-S270.	0.9	0
65	895. Impact of Measurement and Results Feedback of Chlorhexidine Gluconate (CHG) Skin Concentrations in Medical Intensive Care Unit (MICU) Patients Receiving CHG Bathing. <i>Open Forum Infectious Diseases</i> , 2019, 6, S24-S25.	0.9	0
66	919. Understanding Intermittent Detection of Multidrug-Resistant Organisms (MDROs) in Rectally Colonized Patients. <i>Open Forum Infectious Diseases</i> , 2020, 7, S494-S494.	0.9	0