

Kerryl E Greenwood-Quaintance

List of Publications by Year in descending order

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73
papers

2,107
citations

236925

25
h-index

254184

43
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73
all docs

73
docs citations

73
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Prosthetic Joint Infection Pathogens Using a Shotgun Metagenomics Approach. <i>Clinical Infectious Diseases</i> , 2018, 67, 1333-1338.	5.8	194
2	Direct Detection and Identification of Prosthetic Joint Infection Pathogens in Synovial Fluid by Metagenomic Shotgun Sequencing. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	3.9	146
3	Comparison of microbial DNA enrichment tools for metagenomic whole genome sequencing. <i>Journal of Microbiological Methods</i> , 2016, 127, 141-145.	1.6	141
4	Improved Diagnosis of Prosthetic Joint Infection by Culturing Periprosthetic Tissue Specimens in Blood Culture Bottles. <i>MBio</i> , 2016, 7, e01776-15.	4.1	122
5	Impact of Contaminating DNA in Whole-Genome Amplification Kits Used for Metagenomic Shotgun Sequencing for Infection Diagnosis. <i>Journal of Clinical Microbiology</i> , 2017, 55, 1789-1801.	3.9	95
6	Microbiology of polymicrobial prosthetic joint infection. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 94, 255-259.	1.8	88
7	Optimal Periprosthetic Tissue Specimen Number for Diagnosis of Prosthetic Joint Infection. <i>Journal of Clinical Microbiology</i> , 2017, 55, 234-243.	3.9	78
8	Low sensitivity of periprosthetic tissue PCR for prosthetic knee infection diagnosis. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 79, 448-453.	1.8	68
9	Comparison of Diagnostic Accuracy of Periprosthetic Tissue Culture in Blood Culture Bottles to That of Prosthesis Sonication Fluid Culture for Diagnosis of Prosthetic Joint Infection (PJI) by Use of Bayesian Latent Class Modeling and IDSA PJI Criteria for Classification. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	3.9	62
10	Evaluation of the CosmosID Bioinformatics Platform for Prosthetic Joint-Associated Sonicate Fluid Shotgun Metagenomic Data Analysis. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	3.9	59
11	In vitro activity of dalbavancin against biofilms of staphylococci isolated from prosthetic joint infections. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 85, 449-451.	1.8	56
12	Diagnosis of Prosthetic Joint Infection by Use of PCR-Electrospray Ionization Mass Spectrometry. <i>Journal of Clinical Microbiology</i> , 2014, 52, 642-649.	3.9	54
13	<i>Enterococcus faecalis</i> Sex Pheromone cCF10 Enhances Conjugative Plasmid Transfer <i>In Vivo</i> . <i>MBio</i> , 2018, 9, .	4.1	45
14	Activity of Ceftolozane-Tazobactam against Carbapenem-Resistant, Non-Carbapenemase-Producing <i>Pseudomonas aeruginosa</i> and Associated Resistance Mechanisms. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	44
15	Antimicrobial Susceptibility and Clonality of Clinical <i>Ureaplasma</i> Isolates in the United States. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4793-4798.	3.2	43
16	Molecular epidemiology of <i>Staphylococcus aureus</i> bacteremia in a single large Minnesota medical center in 2015 as assessed using MLST, core genome MLST and spa typing. <i>PLoS ONE</i> , 2017, 12, e0179003.	2.5	43
17	Application of metagenomic shotgun sequencing to detect vector-borne pathogens in clinical blood samples. <i>PLoS ONE</i> , 2019, 14, e0222915.	2.5	39
18	Exposure of Bacterial Biofilms to Electrical Current Leads to Cell Death Mediated in Part by Reactive Oxygen Species. <i>PLoS ONE</i> , 2016, 11, e0168595.	2.5	36

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19	Evaluation of the FilmArray Blood Culture ID Panel on Biofilms Dislodged from Explanted Arthroplasties for Prosthetic Joint Infection Diagnosis. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2790-2792.	3.9	34
20	Evaluation of a Genus- and Group-Specific Rapid PCR Assay Panel on Synovial Fluid for Diagnosis of Prosthetic Knee Infection. <i>Journal of Clinical Microbiology</i> , 2016, 54, 120-126.	3.9	34
21	Detection of Prosthetic Joint Infection by Use of PCR-Electrospray Ionization Mass Spectrometry Applied to Synovial Fluid. <i>Journal of Clinical Microbiology</i> , 2014, 52, 2202-2205.	3.9	32
22	Antibiofilm Activity of Low-Amperage Continuous and Intermittent Direct Electrical Current. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4610-4615.	3.2	32
23	Usefulness of Sonication of Cardiovascular Implantable Electronic Devices to Enhance Microbial Detection. <i>American Journal of Cardiology</i> , 2015, 115, 912-917.	1.6	29
24	Ureaplasma urealyticum Causes Hyperammonemia in an Experimental Immunocompromised Murine Model. <i>PLoS ONE</i> , 2016, 11, e0161214.	2.5	29
25	Comparative analysis of 23 synovial fluid biomarkers for hip and knee periprosthetic joint infection detection. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2664-2674.	2.3	29
26	Activity of Tedizolid in Methicillin-Resistant <i>Staphylococcus epidermidis</i> Experimental Foreign Body-Associated Osteomyelitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	25
27	<i>In Vitro</i> Activity of Rifampin, Rifabutin, Rifapentine, and Rifaximin against Planktonic and Biofilm States of <i>Staphylococci</i> Isolated from Periprosthetic Joint Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	25
28	Detection of Pathogenic Bacteria From Septic Patients Using 16S Ribosomal RNA Gene-Targeted Metagenomic Sequencing. <i>Clinical Infectious Diseases</i> , 2021, 73, 1165-1172.	5.8	25
29	Activity of Tedizolid in Methicillin-Resistant <i>Staphylococcus aureus</i> Experimental Foreign Body-Associated Osteomyelitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6568-6572.	3.2	23
30	Exebacase in Addition to Daptomycin Is More Active than Daptomycin or Exebacase Alone in Methicillin-Resistant <i>Staphylococcus aureus</i> Osteomyelitis in Rats. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	23
31	Rifampicin resistance in <i>Staphylococcus epidermidis</i> : molecular characterisation and fitness cost of <i>rpoB</i> mutations. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 670-677.	2.5	22
32	Whole-genome sequencing for methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) outbreak investigation in a neonatal intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2018, 39, 1412-1418.	1.8	22
33	Synovial fluid α -defensin has comparable accuracy to synovial fluid white blood cell count and polymorphonuclear percentage for periprosthetic joint infection diagnosis. <i>Bone and Joint Journal</i> , 2021, 103-B, 1119-1126.	4.4	19
34	Hydrogen peroxide-producing electrochemical bandage controlled by a wearable potentiostat for treatment of wound infections. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2815-2821.	3.3	18
35	Targeted next generation sequencing for elbow periprosthetic joint infection diagnosis. <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 101, 115448.	1.8	17
36	Antibiofilm Activity of Electrical Current in a Catheter Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1476-1480.	3.2	16

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37	In vitro activity of tedizolid against linezolid-resistant staphylococci and enterococci. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 85, 102-104.	1.8	16
38	Direct Electrical Current Reduces Bacterial and Yeast Biofilm Formation. <i>International Journal of Bacteriology</i> , 2016, 2016, 1-6.	1.0	15
39	In vitro activity of ceftolozane/tazobactam against clinical isolates of <i>Pseudomonas aeruginosa</i> in the planktonic and biofilm states. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 85, 356-359.	1.8	15
40	<i>In Vitro</i> Antibacterial Activity of Hydrogen Peroxide and Hypochlorous Acid, Including That Generated by Electrochemical Scaffolds. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	15
41	In Vitro Activity of Plazomicin Compared to Amikacin, Gentamicin, and Tobramycin against Multidrug-Resistant Aerobic Gram-Negative Bacilli. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	14
42	Differential Antimicrobial Susceptibilities of <i>Granulicatella adiacens</i> and <i>Abiotrophia defectiva</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5036-5039.	3.2	12
43	Imipenem-Relebactam Susceptibility Testing of Gram-Negative Bacilli by Agar Dilution, Disk Diffusion, and Gradient Strip Methods Compared with Broth Microdilution. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	3.9	12
44	Implant Sonication versus Tissue Culture for the Diagnosis of Spinal Implant Infection. <i>Spine</i> , 2020, 45, E525-E532.	2.0	12
45	An Integrated HOCl-Producing E-Scaffold Is Active against Monomicrobial and Polymicrobial Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	12
46	Selected Antimicrobial Activity of Topical Ophthalmic Anesthetics. <i>Translational Vision Science and Technology</i> , 2016, 5, 2.	2.2	11
47	Elution of High Dose Amphotericin B Deoxycholate From Polymethylmethacrylate. <i>Journal of Arthroplasty</i> , 2015, 30, 2308-2310.	3.1	9
48	Lack of correlation of virulence gene profiles of <i>Staphylococcus aureus</i> bacteremia isolates with mortality. <i>Microbial Pathogenesis</i> , 2019, 133, 103543.	2.9	9
49	Comparison of Three Commercial Tools for Metagenomic Shotgun Sequencing Analysis. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	3.9	9
50	Human transcriptomic response to periprosthetic joint infection. <i>Gene</i> , 2022, 825, 146400.	2.2	9
51	Hydrogen Peroxide-Generating Electrochemical Scaffold Activity against Trispecies Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	8
52	Superantigens in <i>Staphylococcus aureus</i> isolated from prosthetic joint infection. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015, 81, 201-207.	1.8	7
53	In vitro activity of ceftaroline against staphylococci from prosthetic joint infection. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 84, 141-143.	1.8	6
54	Activity of Electrical Current in Experimental <i>Propionibacterium acnes</i> Foreign-Body Osteomyelitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	6

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55	Molecular epidemiology of methicillin-susceptible <i>Staphylococcus aureus</i> in infants in a neonatal intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2020, 41, 1402-1408.	1.8	5
56	<i>In Vitro</i> Antibiofilm Activity of Hydrogen Peroxide-Generating Electrochemical Bandage against Yeast Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0179221.	3.2	5
57	Comparative Transcriptomic Analysis of <i>Staphylococcus aureus</i> Associated with Periprosthetic Joint Infection under <i>in Vivo</i> and <i>in Vitro</i> Conditions. <i>Journal of Molecular Diagnostics</i> , 2021, 23, 986-999.	2.8	4
58	Dynamics of plasmid-mediated niche invasion, immunity to invasion, and pheromone-inducible conjugation in the murine gastrointestinal tract. <i>Nature Communications</i> , 2022, 13, 1377.	12.8	4
59	Ceftriaxone susceptibility of oxacillin-susceptible <i>Staphylococcus aureus</i> from patients with prosthetic joint infection. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015, 82, 177-178.	1.8	3
60	<i>In Vitro</i> activity of arbekacin against multidrug-resistant gram-negative bacilli. <i>Journal of Microbiology, Immunology and Infection</i> , 2021, 54, 1118-1121.	3.1	3
61	Sonication improves microbiologic diagnosis of periprosthetic elbow infection. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 1741-1749.	2.6	3
62	<i>In Vitro</i> Activity of Rifampin, Rifabutin, and Rifapentine against Enterococci and Streptococci from Periprosthetic Joint Infection. <i>Microbiology Spectrum</i> , 2021, 9, e0007121.	3.0	3
63	Transcriptomic analysis of <i>Streptococcus agalactiae</i> periprosthetic joint infection. <i>MicrobiologyOpen</i> , 2021, 10, e1256.	3.0	3
64	Oritavancin polymethylmethacrylate (PMMA) compressive strength testing and <i>in vitro</i> elution. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 43.	2.3	2
65	Activity of fixed direct electrical current in experimental <i>Staphylococcus aureus</i> foreign-body osteomyelitis. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 93, 92-95.	1.8	2
66	<i>In Vitro</i> Activity of Vancaptin MCC5145 against Methicillin-Resistant <i>Staphylococcus aureus</i> from Periprosthetic Joint Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	2
67	Anti-biofilm activity of antibiotic-loaded Hylomate [®] . <i>IJC Heart and Vasculature</i> , 2021, 34, 100801.	1.1	2
68	Identification of Prosthetic Joint Pathogens Directly in Clinical Specimens by Metagenomic Shotgun Sequencing. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.9	1
69	Identification of Mutations in <i>Staphylococcus epidermidis</i> Small-Colony Variants Associated With Prosthetic Joint Infection by Direct Whole Genome Sequencing From Colonies. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.9	1
70	Phenotypic and Genotypic Characterization of <i>Staphylococcus aureus</i> Bloodstream Isolates in a Single Large Medical Center in Southeastern Minnesota. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.9	0
71	Direct Detection and Identification of Prosthetic Joint Pathogens in Synovial Fluid (SF) by Metagenomic Shotgun Sequencing. <i>Open Forum Infectious Diseases</i> , 2017, 4, S32-S32.	0.9	0
72	<i>In vitro</i> Activity of Esomeprazole Against <i>Ureaplasma</i> Species. <i>Open Forum Infectious Diseases</i> , 2017, 4, S705-S705.	0.9	0

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73	2029. Comparison of Primers Amplifying Two Different Regions of the 16S Ribosomal RNA Gene for Microbiologic Diagnosis of Cardiovascular Implantable Electronic Device Infection. Open Forum Infectious Diseases, 2018, 5, S591-S591.	0.9	0