Omai B Garner

List of Publications by Year
in descending order

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60 papers	1,686 citations	394421 19 h-index	302126 39 g-index
64 all docs	64 docs citations	64 times ranked	2992 citing authors

#	Article	IF	Citations
1	Retrospective Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Symptomatic Patients Prior to Widespread Diagnostic Testing in Southern California. Clinical Infectious Diseases, 2022, 74, 271-277.	5.8	4
2	Infectious Keratitis Isolates and Susceptibility in Southern California. Cornea, 2022, 41, 1094-1102.	1.7	5
3	Multicenter Clinical Evaluation of Vitek 2 Meropenem-Vaborbactam for Susceptibility Testing of Enterobacterales and Pseudomonas aeruginosa. Journal of Clinical Microbiology, 2022, 60, JCM0161021.	3.9	3
4	Investigation of SARS-CoV-2 Epsilon Variant and Hospitalization Status by Genomic Surveillance in a Single Large Health System During the 2020-2021 Winter Surge in Southern California. American Journal of Clinical Pathology, 2022, 157, 649-652.	0.7	9
5	Genomic epidemiology of the Los Angeles COVID-19 outbreak and the early history of the B.1.43 strain in the USA. BMC Genomics, 2022, 23, 260.	2.8	0
6	Clinical Impact of Metagenomic Next-Generation Sequencing of Plasma Cell-Free DNA for the Diagnosis of Infectious Diseases: A Multicenter Retrospective Cohort Study. Clinical Infectious Diseases, 2021, 72, 239-245.	5.8	158
7	Performance Characteristics of Severe Acute Respiratory Syndrome Coronavirus 2 RT-PCR Tests in a Single Health System. Journal of Molecular Diagnostics, 2021, 23, 159-163.	2.8	19
8	Prospective clinical validation of 3D printed nasopharyngeal swabs for diagnosis of COVID-19. Diagnostic Microbiology and Infectious Disease, 2021, 99, 115257.	1.8	19
9	At-Home Testing for Infectious Diseases: The Laboratory Where You Live. Clinical Chemistry, 2021, 68, 19-26.	3.2	9
10	Deceiving Phenotypic Susceptibility Results on a Klebsiella pneumoniae Blood Isolate Carrying Plasmid-Mediated AmpC Gene blaDHA-1. Frontiers in Cellular and Infection Microbiology, 2021, 11, 561880.	3.9	5
11	Current Testing Strategies for SARS-CoV-2 in the United States. Clinical Chemistry, 2021, 67, 935-940.	3.2	1
12	SARS-CoV-2 Infection Detection by PCR and Serologic Testing in Clinical Practice. Journal of Clinical Microbiology, 2021, 59, e0043121.	3.9	8
13	Massively scaled-up testing for SARS-CoV-2 RNA via next-generation sequencing of pooled and barcoded nasal and saliva samples. Nature Biomedical Engineering, 2021, 5, 657-665.	22.5	46
14	Clinical Whole Genome Sequencing for Clarithromycin and Amikacin Resistance Prediction and Subspecies Identification of Mycobacterium abscessus. Journal of Molecular Diagnostics, 2021, 23, 1460-1467.	2.8	11
15	Validation, Implementation, and Clinical Utility of Whole Genome Sequence-Based Bacterial Identification in the Clinical Microbiology Laboratory. Journal of Molecular Diagnostics, 2021, 23, 1468-1477.	2.8	17
16	Investigation of Phylogeny and Drug Resistance Mechanisms of Elizabethkingia anophelis Isolated from Blood and Lower Respiratory Tract. Microbial Drug Resistance, 2021, 27, 1259-1264.	2.0	7
17	Catabacter hongkongensis bacteremia identified by direct metagenomic sequencing of positive blood culture fluid, first case report in the US. Anaerobe, 2021, 71, 102421.	2.1	5
18	Quantitative particle agglutination assay for point-of-care testing using mobile holographic imaging and deep learning. Lab on A Chip, 2021, 21, 3550-3558.	6.0	17

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19	Age- and Sex-Associated Variations in the Sensitivity of Serological Tests Among Individuals Infected With SARS-CoV-2. JAMA Network Open, 2021, 4, e210337.	5.9	12
20	Utilization of whole genome sequencing for resolution of discrepant Mycobacterium tuberculosis drug susceptibility results: A case report. IDCases, 2021, 26, e01308.	0.9	1
21	The systemic inflammatory landscape of COVID-19 in pregnancy: Extensive serum proteomic profiling of mother-infant dyads with in utero SARS-CoV-2. Cell Reports Medicine, 2021, 2, 100453.	6.5	28
22	Lower SARS-CoV-2 viral shedding following COVID-19 vaccination among healthcare workers in Los Angeles, California. Open Forum Infectious Diseases, 2021, 8, ofab526.	0.9	5
23	The Path of More Resistance: A Comparison of NHSN and CLSI Criteria in Developing Cumulative Antimicrobial Susceptibility Test Reports and Institutional Antibiograms. Journal of Clinical Microbiology, 2021, , JCM0136621.	3.9	0
24	Coinfections of Two Strains of NDM-1- and OXA-232-Coproducing Klebsiella pneumoniae in a Kidney Transplant Patient. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	35
25	Fractal LAMP: Label-Free Analysis of Fractal Precipitate for Digital Loop-Mediated Isothermal Nucleic Acid Amplification. ACS Sensors, 2020, 5, 385-394.	7.8	27
26	Point-of-Care Serodiagnostic Test for Early-Stage Lyme Disease Using a Multiplexed Paper-Based Immunoassay and Machine Learning. ACS Nano, 2020, 14, 229-240.	14.6	66
27	Novel Use of Rapid Antigen Influenza Testing in the Outpatient Setting To Provide an Early Warning Sign of Influenza Activity in the Emergency Departments of an Integrated Health System. Journal of Clinical Microbiology, 2020, 58, .	3.9	0
28	Low prevalence (0.13%) of COVID-19 infection in asymptomatic pre-operative/pre-procedure patients at a large, academic medical center informs approaches to perioperative care. Surgery, 2020, 168, 980-986.	1.9	16
29	Carbapenem Resistant Aeromonas hydrophila Carrying blacphA7 Isolated From Two Solid Organ Transplant Patients. Frontiers in Cellular and Infection Microbiology, 2020, 10, 563482.	3.9	10
30	Amplicon-Based Next-Generation Sequencing for Detection of Fungi in Formalin-Fixed, Paraffin-Embedded Tissues. Journal of Molecular Diagnostics, 2020, 22, 1287-1293.	2.8	20
31	Diagnostic yield of repeat testing for SARS-CoV-2: Experience from a large health system in Los Angeles. International Journal of Infectious Diseases, 2020, 100, 298-301.	3.3	7
32	Noninterruptive Clinical Decision Support Decreases Ordering of Respiratory Viral Panels during Influenza Season. Applied Clinical Informatics, 2020, 11, 315-322.	1.7	9
33	An Unusual Carbapenem Resistant Escherichia coli Carrying Plasmid-mediated AmpC and Mutated ompC in A Patient with Recurrent Urinary Tract Infections. IDCases, 2020, 20, e00781.	0.9	4
34	Differential DNA accessibility to polymerase enables 30-minute phenotypic Î²-lactam antibiotic susceptibility testing of carbapenem-resistant Enterobacteriaceae. PLoS Biology, 2020, 18, e3000652.	5.6	5
35	Unusual presentation of meningococcal meningitis in the elderly and utility of CSF PCR testing. Access Microbiology, 2020, 2, acmi000158.	0.5	1
36	Implementation of Hospital-Based Candida auris Surveillance Screening Among At-Risk Patients. Infection Control and Hospital Epidemiology, 2020, 41, s277-s278.	1.8	1

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37	Validation and Retrospective Clinical Evaluation of a Quantitative 16S rRNA Gene Metagenomic Sequencing Assay for Bacterial Pathogen Detection in Body Fluids. Journal of Molecular Diagnostics, 2019, 21, 913-923.	2.8	21
38	Multicenter Clinical Evaluation of Etest Meropenem-Vaborbactam (bioMÃ©rieux) for Susceptibility Testing of Enterobacterales (Enterobacteriaceae) and Pseudomonas aeruginosa. Journal of Clinical Microbiology, 2019, 58, .	3.9	9
39	Computational cytometer based on magnetically modulated coherent imaging and deep learning. Light: Science and Applications, 2019, 8, 91.	16.6	21
40	P013â€…Screening practices related to inconclusiveneisseria gonorrhoeaeandchlamydia trachomatisnucleic acid amplification testing. , 2019, , .		0
41	2131. Multicenter Evaluation of Meropenem/Vaborbactam MIC Results for Enterobacteriaceae Using MicroScan Dried Gram-Negative MIC Panels. Open Forum Infectious Diseases, 2019, 6, S722-S722.	0.9	1
42	2132. Multicenter Evaluation of Eravacycline MIC Results for Enterobacteriaceae Using MicroScan Dried Gram-Negative MIC Panels. Open Forum Infectious Diseases, 2019, 6, S722-S722.	0.9	0
43	640. Randomized Clinical Trial Evaluating Clinical Impact of RAPid IDentification and Antimicrobial Susceptibility Testing for Gram-Negative Bacteremia (RAPIDS-GN). Open Forum Infectious Diseases, 2019, 6, S296-S297.	0.9	0
44	Factors associated with repeat rectal Neisseria gonorrhoeae and Chlamydia trachomatis screening following inconclusive nucleic acid amplification testing: A potential missed opportunity for screening. PLoS ONE, 2019, 14, e0226413.	2.5	1
45	A Multi-Level Fit-Based Quality Improvement Initiative to Improve Colorectal Cancer Screening in a Managed Care Population. Clinical and Translational Gastroenterology, 2018, 9, e177.	2.5	20
46	Highly Stable and Sensitive Nucleic Acid Amplification and Cell-Phone-Based Readout. ACS Nano, 2017, 11, 2934-2943.	14.6	101
47	Point-of-Care Testing for Group A Streptococcus Infection and Influenza. Clinical Microbiology Newsletter, 2017, 39, 151-157.	0.7	5
48	Ensuring the Quality of Point-of-Care Testing in a Large and Decentralized Ambulatory Care Setting. American Journal of Clinical Pathology, 2017, 148, 336-344.	0.7	11
49	Clinical Comparison of the NOWDiagnostics' ADEXUSDx Human Chorionic Gonadotropin Point-of-Care Test with the Roche Elecsys hCG + Î²2 for the Serum Measurement of Human Chorionic Gonadotropin. journal of applied laboratory medicine, The, 2017, 2, 234-237.	1.3	0
50	High-throughput and automated diagnosis of antimicrobial resistance using a cost-effective cellphone-based micro-plate reader. Scientific Reports, 2016, 6, 39203.	3.3	32
51	Microbial recovery from clot-activating VacutainersÂ®. Diagnostic Microbiology and Infectious Disease, 2016, 85, 395-397.	1.8	0
52	Homogeneous Entropy-Driven Amplified Detection of Biomolecular Interactions. ACS Nano, 2016, 10, 7467-7475.	14.6	54
53	Timing of Galectin-1 Exposure Differentially Modulates Nipah Virus Entry and Syncytium Formation in Endothelial Cells. Journal of Virology, 2015, 89, 2520-2529.	3.4	36
54	Cellphone-Based Hand-Held Microplate Reader for Point-of-Care Testing of Enzyme-Linked Immunosorbent Assays. ACS Nano, 2015, 9, 7857-7866.	14.6	300

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55	Assessment of Reproducibility of Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight Mass Spectrometry for Bacterial and Yeast Identification. Journal of Clinical Microbiology, 2015, 53, 2349-2352.	3.9	30
56	Comparison of the Vitek MS and Bruker Microflex LT MALDI-TOF MS platforms for routine identification of commonly isolated bacteria and yeast in the clinical microbiology laboratory. Diagnostic Microbiology and Infectious Disease, 2015, 81, 27-33.	1.8	61
57	Multicenter validation of the VITEK MS v2.0 MALDI-TOF mass spectrometry system for the identification of fastidious gram-negative bacteria. Diagnostic Microbiology and Infectious Disease, 2014, 78, 129-131.	1.8	39
58	Stage-dependent regulation of mammary ductal branching by heparan sulfate and HGF-cMet signaling. Developmental Biology, 2011, 355, 394-403.	2.0	46
59	Endothelial Galectin-1 Binds to Specific Glycans on Nipah Virus Fusion Protein and Inhibits Maturation, Mobility, and Function to Block Syncytia Formation. PLoS Pathogens, 2010, 6, e1000993.	4.7	62
60	Galectinâ€“glycan lattices regulate cell-surface glycoprotein organization and signalling. Biochemical Society Transactions, 2008, 36, 1472-1477.	3.4	189