

Justin O'Grady

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/197225/publications.pdf>

Version: 2024-02-01

89
papers

6,765
citations

101543

36
h-index

74163

75
g-index

104
all docs

104
docs citations

104
times ranked

10930
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanopore sequencing and assembly of a human genome with ultra-long reads. <i>Nature Biotechnology</i> , 2018, 36, 338-345.	17.5	1,443
2	MinION nanopore sequencing identifies the position and structure of a bacterial antibiotic resistance island. <i>Nature Biotechnology</i> , 2015, 33, 296-300.	17.5	404
3	Nanopore metagenomics enables rapid clinical diagnosis of bacterial lower respiratory infection. <i>Nature Biotechnology</i> , 2019, 37, 783-792.	17.5	396
4	Identification of bacterial pathogens and antimicrobial resistance directly from clinical urines by nanopore-based metagenomic sequencing. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 104-114.	8.0	296
5	Co-infections: potentially lethal and unexplored in COVID-19. <i>Lancet Microbe</i> , The, 2020, 1, e11.	7.3	279
6	MinION Analysis and Reference Consortium: Phase 1 data release and analysis. <i>F1000Research</i> , 2015, 4, 1075.	1.6	270
7	Integrating informatics tools and portable sequencing technology for rapid detection of resistance to anti-tuberculous drugs. <i>Genome Medicine</i> , 2019, 11, 41.	8.2	248
8	Tuberculosis Diagnostics and Biomarkers: Needs, Challenges, Recent Advances, and Opportunities. <i>Journal of Infectious Diseases</i> , 2012, 205, S147-S158.	4.0	154
9	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , 2021, 374, 423-431.	12.6	144
10	Drug-Resistant Tuberculosis—Current Dilemmas, Unanswered Questions, Challenges, and Priority Needs. <i>Journal of Infectious Diseases</i> , 2012, 205, S228-S240.	4.0	140
11	Rapid and Accurate Detection of <i>Mycobacterium tuberculosis</i> in Sputum Samples by Cepheid Xpert MTB/RIF Assay—A Clinical Validation Study. <i>PLoS ONE</i> , 2011, 6, e20458.	2.5	140
12	Diagnosing antimicrobial resistance. <i>Nature Reviews Microbiology</i> , 2017, 15, 697-703.	28.6	137
13	Integrated microfluidic tmRNA purification and real-time NASBA device for molecular diagnostics. <i>Lab on A Chip</i> , 2008, 8, 2071.	6.0	135
14	Assessment of the Xpert MTB/RIF assay for diagnosis of tuberculosis with gastric lavage aspirates in children in sub-Saharan Africa: a prospective descriptive study. <i>Lancet Infectious Diseases</i> , The, 2013, 13, 36-42.	9.1	133
15	Rapid real-time PCR detection of <i>Listeria monocytogenes</i> in enriched food samples based on the <i>ssrA</i> gene, a novel diagnostic target. <i>Food Microbiology</i> , 2008, 25, 75-84.	4.2	128
16	Exponential growth, high prevalence of SARS-CoV-2, and vaccine effectiveness associated with the Delta variant. <i>Science</i> , 2021, 374, eabl9551.	12.6	111
17	MinION Analysis and Reference Consortium: Phase 2 data release and analysis of R9.0 chemistry. <i>F1000Research</i> , 2017, 6, 760.	1.6	107
18	CoronaHiT: high-throughput sequencing of SARS-CoV-2 genomes. <i>Genome Medicine</i> , 2021, 13, 21.	8.2	94

#	ARTICLE	IF	CITATIONS
19	Rapid detection of <i>Listeria monocytogenes</i> in food using culture enrichment combined with real-time PCR. <i>Food Microbiology</i> , 2009, 26, 4-7.	4.2	84
20	Rapid inference of antibiotic resistance and susceptibility by genomic neighbour typing. <i>Nature Microbiology</i> , 2020, 5, 455-464.	13.3	74
21	Tuberculosis in prisons in sub-Saharan Africa – the need for improved health services, surveillance and control. <i>Tuberculosis</i> , 2011, 91, 173-178.	1.9	73
22	High sensitivity DNA detection using gold nanoparticle functionalised polyaniline nanofibres. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2613-2618.	10.1	70
23	Evaluation of the Xpert MTB/RIF Assay at a Tertiary Care Referral Hospital in a Setting Where Tuberculosis and HIV Infection Are Highly Endemic. <i>Clinical Infectious Diseases</i> , 2012, 55, 1171-1178.	5.8	68
24	Recent and emerging technologies for the rapid diagnosis of infection and antimicrobial resistance. <i>Current Opinion in Microbiology</i> , 2019, 51, 39-45.	5.1	66
25	Metagenomic identification of severe pneumonia pathogens in mechanically-ventilated patients: a feasibility and clinical validity study. <i>Respiratory Research</i> , 2019, 20, 265.	3.6	66
26	New and improved diagnostics for detection of drug-resistant pulmonary tuberculosis. <i>Current Opinion in Pulmonary Medicine</i> , 2011, 17, 134-141.	2.6	65
27	Review of multidrug-resistant and extensively drug-resistant TB: global perspectives with a focus on sub-Saharan Africa. <i>Tropical Medicine and International Health</i> , 2010, 15, 1052-1066.	2.3	62
28	Viewpoint: Scientific dogmas, paradoxes and mysteries of latent <i>Mycobacterium tuberculosis</i> infection. <i>Tropical Medicine and International Health</i> , 2011, 16, 79-83.	2.3	51
29	A migration-driven model for the historical spread of leprosy in medieval Eastern and Central Europe. <i>Infection, Genetics and Evolution</i> , 2015, 31, 250-256.	2.3	48
30	Evaluation of the Burden of Unsuspected Pulmonary Tuberculosis and Co-Morbidity with Non-Communicable Diseases in Sputum Producing Adult Inpatients. <i>PLoS ONE</i> , 2012, 7, e40774.	2.5	46
31	Performance of urine lipoarabinomannan assays for paediatric tuberculosis in Tanzania. <i>European Respiratory Journal</i> , 2015, 46, 761-770.	6.7	44
32	The variability and reproducibility of whole genome sequencing technology for detecting resistance to anti-tuberculous drugs. <i>Genome Medicine</i> , 2016, 8, 132.	8.2	44
33	Development and validation of a rapid real-time PCR based method for the specific detection of <i>Salmonella</i> on fresh meat. <i>Meat Science</i> , 2009, 83, 555-562.	5.5	43
34	Tuberculosis Trends in Saudis and Non-Saudis in the Kingdom of Saudi Arabia – A 10 Year Retrospective Study (2000–2009). <i>PLoS ONE</i> , 2012, 7, e39478.	2.5	43
35	Tuberculosis and Tuberculosis/HIV/AIDS-Associated Mortality in Africa: The Urgent Need to Expand and Invest in Routine and Research Autopsies. <i>Journal of Infectious Diseases</i> , 2012, 205, S340-S346.	4.0	41
36	Tuberculosis in prisons: anatomy of global neglect. <i>European Respiratory Journal</i> , 2011, 38, 752-754.	6.7	39

#	ARTICLE	IF	CITATIONS
37	A Novel Multiplex Real-Time PCR for the Identification of Mycobacteria Associated with Zoonotic Tuberculosis. PLoS ONE, 2011, 6, e23481.	2.5	38
38	Emerging commercial molecular tests for the diagnosis of bloodstream infection. Expert Review of Molecular Diagnostics, 2015, 15, 681-692.	3.1	37
39	Specificity and sensitivity evaluation of novel and existing Bacteroidales and Bifidobacteria-specific PCR assays on feces and sewage samples and their application for microbial source tracking in Ireland. Water Research, 2009, 43, 4980-4988.	11.3	35
40	Optimizing DNA Extraction Methods for Nanopore Sequencing of Neisseria gonorrhoeae Directly from Urine Samples. Journal of Clinical Microbiology, 2020, 58, .	3.9	33
41	Extensively drug-resistant tuberculosis (XDR-TB) among health care workers in South Africa. Tropical Medicine and International Health, 2010, 15, 1179-1184.	2.3	32
42	Evaluating the potential for respiratory metagenomics to improve treatment of secondary infection and detection of nosocomial transmission on expanded COVID-19 intensive care units. Genome Medicine, 2021, 13, 182.	8.2	32
43	The challenges of designing a benchmark strategy for bioinformatics pipelines in the identification of antimicrobial resistance determinants using next generation sequencing technologies. F1000Research, 2018, 7, 459.	1.6	31
44	Large-scale sequencing of SARS-CoV-2 genomes from one region allows detailed epidemiology and enables local outbreak management. Microbial Genomics, 2021, 7, .	2.0	31
45	Ancient DNA analysis – An established technique in charting the evolution of tuberculosis and leprosy. Tuberculosis, 2015, 95, S140-S144.	1.9	30
46	tmRNA – a novel high-copy-number RNA diagnostic target – its application for <i>Staphylococcus aureus</i> detection using real-time NASBA. FEMS Microbiology Letters, 2009, 301, 218-223.	1.8	29
47	Trends of Zambia's tuberculosis burden over the past two decades. Tropical Medicine and International Health, 2011, 16, 1404-1409.	2.3	29
48	Scale-up of TB and HIV programme collaborative activities in Zambia – a 10-year review. Tropical Medicine and International Health, 2012, 17, 760-766.	2.3	28
49	Use of the Xpert® MTB/RIF assay for diagnosing pulmonary tuberculosis comorbidity and multidrug-resistant TB in obstetrics and gynaecology inpatient wards at the University Teaching Hospital, Lusaka, Zambia. Tropical Medicine and International Health, 2013, 18, 1134-1140.	2.3	26
50	New skeletal tuberculosis cases in past populations from Western Hungary (Transdanubia). HOMO- Journal of Comparative Human Biology, 2011, 62, 165-183.	0.7	24
51	Novel Multiplex Real-Time PCR Diagnostic Assay for Identification and Differentiation of Mycobacterium tuberculosis, Mycobacterium canettii, and Mycobacterium tuberculosis Complex Strains. Journal of Clinical Microbiology, 2011, 49, 651-657.	3.9	24
52	The challenges of designing a benchmark strategy for bioinformatics pipelines in the identification of antimicrobial resistance determinants using next generation sequencing technologies. F1000Research, 2018, 7, 459.	1.6	24
53	Advances in multiparametric molecular diagnostics technologies for respiratory tract infections. Current Opinion in Pulmonary Medicine, 2013, 19, 298-304.	2.6	22
54	Diagnosing tuberculosis in the 21st century – Dawn of a genomics revolution?. International Journal of Mycobacteriology, 2016, 5, 384-391.	0.6	22

#	ARTICLE	IF	CITATIONS
55	Performance of the Xpert MTB/RIF assay in the diagnosis of tuberculosis in formalin-fixed, paraffin-embedded tissues. <i>International Journal of Mycobacteriology</i> , 2017, 6, 87.	0.6	22
56	qPCR, dPCR, NGS – A journey. <i>Biomolecular Detection and Quantification</i> , 2015, 3, A1-A5.	7.0	21
57	Microbiomes of Urine and the Prostate Are Linked to Human Prostate Cancer Risk Groups. <i>European Urology Oncology</i> , 2022, 5, 412-419.	5.4	21
58	Tuberculosis in prisons in sub-Saharan Africa – a potential time bomb. <i>South African Medical Journal</i> , 2011, 101, 107.	0.6	18
59	Achieving STOP TB Partnership goals: perspectives on development of new diagnostics, drugs and vaccines for tuberculosis. <i>Tropical Medicine and International Health</i> , 2011, 16, 819-827.	2.3	18
60	Clinical Metagenomic Sequencing for Species Identification and Antimicrobial Resistance Prediction in Orthopedic Device Infection. <i>Journal of Clinical Microbiology</i> , 2022, 60, e0215621.	3.9	18
61	Rapid and Point-of-Care Testing in Respiratory Tract Infections: An Antibiotic Guardian?. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 401-417.	4.9	17
62	SeekTB, a Two-Stage Multiplex Real-Time-PCR-Based Method for Differentiation of the Mycobacterium tuberculosis Complex. <i>Journal of Clinical Microbiology</i> , 2012, 50, 2203-2206.	3.9	16
63	Preliminary evaluation of a rapid lateral flow calprotectin test for the diagnosis of prosthetic joint infection. <i>Bone and Joint Research</i> , 2020, 9, 202-210.	3.6	15
64	Trends in Childhood Tuberculosis in Zambia: A Situation Analysis. <i>Journal of Tropical Pediatrics</i> , 2013, 59, 134-139.	1.5	14
65	Prospective Evaluation of a Rapid Clinical Metagenomics Test for Bacterial Pneumonia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 684965.	3.9	14
66	Leprosy at the edge of Europe – Biomolecular, isotopic and osteoarchaeological findings from medieval Ireland. <i>PLoS ONE</i> , 2018, 13, e0209495.	2.5	13
67	A powerful, non-invasive test to rule out infection. <i>Nature Microbiology</i> , 2019, 4, 554-555.	13.3	13
68	Genomic diversity of <i>Escherichia coli</i> isolates from backyard chickens and guinea fowl in the Gambia. <i>Microbial Genomics</i> , 2021, 7, .	2.0	13
69	Dynamics of <i>Salmonella enterica</i> and antimicrobial resistance in the Brazilian poultry industry and global impacts on public health. <i>PLoS Genetics</i> , 2022, 18, e1010174.	3.5	13
70	Chest radiography for tuberculosis screening is back on the agenda [Editorial]. <i>International Journal of Tuberculosis and Lung Disease</i> , 2012, 16, 1421-1422.	1.2	12
71	Genomic diversity of <i>Escherichia coli</i> isolates from non-human primates in the Gambia. <i>Microbial Genomics</i> , 2020, 6, .	2.0	12
72	Surgery and tuberculosis. <i>Current Opinion in Pulmonary Medicine</i> , 2012, 18, 241-245.	2.6	10

#	ARTICLE	IF	CITATIONS
73	Rapid metagenomics for diagnosis of bloodstream and respiratory tract nosocomial infections: current status and future prospects. <i>Expert Review of Molecular Diagnostics</i> , 2021, 21, 371-380.	3.1	10
74	Genomic diversity of <i>Escherichia coli</i> from healthy children in rural Gambia. <i>PeerJ</i> , 2021, 9, e10572.	2.0	9
75	Development and preliminary validation of a real-time RT-PCR based method targeting tmRNA for the rapid and specific detection of Salmonella. <i>Food Research International</i> , 2012, 45, 989-992.	6.2	7
76	Leprosy trends in Zambia 1991-2009. <i>Tropical Medicine and International Health</i> , 2012, 17, 1289-1293.	2.3	7
77	Identification of host-specific <i>Bacteroidales</i> 16S rDNA sequences from human sewage and ruminant feces. <i>Journal of Basic Microbiology</i> , 2012, 52, 277-284.	3.3	6
78	Application of highly portable MinION nanopore sequencing technology for the monitoring of nosocomial tuberculosis infection. <i>International Journal of Mycobacteriology</i> , 2016, 5, S24.	0.6	6
79	REUSABLE SURFACE PLASMON RESONANCE ASSAY FOR THE SPECIFIC DETECTION OF <i>STREPTOCOCCUS PNEUMONIAE</i> tmRNA. <i>Journal of Rapid Methods and Automation in Microbiology</i> , 2008, 16, 210-221.	0.4	5
80	Evaluation of a novel <i>Listeria</i> enrichment broth combined with a real-time PCR diagnostics assay for the specific detection of <i>Listeria monocytogenes</i> in RTE pork products. <i>International Journal of Food Science and Technology</i> , 2013, 48, 1103-1108.	2.7	5
81	The health of prisoners. <i>Lancet, The</i> , 2011, 377, 2001.	13.7	4
82	Xpert MTB/RIF test for tuberculosis. <i>Lancet, The</i> , 2011, 378, 482.	13.7	3
83	New global estimates of malaria deaths. <i>Lancet, The</i> , 2012, 380, 560-561.	13.7	3
84	Genomic Diversity in <i>Salmonella enterica</i> . , 2017, , 91-107.		3
85	Applying clinical metagenomics for the detection and characterisation of respiratory infections. , 2019, , 35-49.		3
86	Screening of immigrants in the UK for latent tuberculosis. <i>Expert Review of Respiratory Medicine</i> , 2011, 5, 483-486.	2.5	2
87	Monolithic Centrifugal Microfluidic Platform for Bacteria Capture and Concentration, Lysis, Nucleic-Acid Amplification, and Real-Time Detection. , 2009, , .		1
88	How to make Mathematics Biology's next and better microscope. <i>Biomolecular Detection and Quantification</i> , 2014, 1, A1-A3.	7.0	1
89	Extra-pulmonary tuberculosis and Xpert® MTB/RIF: all about meta-analyses?. <i>International Journal of Tuberculosis and Lung Disease</i> , 2015, 19, 254-254.	1.2	1