

Alexander Greninger

List of Publications by Year in descending order

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Version: 2024-02-01

213
papers

14,612
citations

38720

50
h-index

27389

106
g-index

270
all docs

270
docs citations

270
times ranked

27013
citing authors

#	ARTICLE	IF	CITATIONS
1	Covid-19 in Critically Ill Patients in the Seattle Region – Case Series. <i>New England Journal of Medicine</i> , 2020, 382, 2012-2022.	13.9	2,120
2	Detection of SARS-CoV-2 with SHERLOCK One-Pot Testing. <i>New England Journal of Medicine</i> , 2020, 383, 1492-1494.	13.9	506
3	Performance Characteristics of the Abbott Architect SARS-CoV-2 IgG Assay and Seroprevalence in Boise, Idaho. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	496
4	Neutralizing Antibodies Correlate with Protection from SARS-CoV-2 in Humans during a Fishery Vessel Outbreak with a High Attack Rate. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	494
5	Rapid metagenomic identification of viral pathogens in clinical samples by real-time nanopore sequencing analysis. <i>Genome Medicine</i> , 2015, 7, 99.	3.6	456
6	A cloud-compatible bioinformatics pipeline for ultrarapid pathogen identification from next-generation sequencing of clinical samples. <i>Genome Research</i> , 2014, 24, 1180-1192.	2.4	421
7	Comparative Performance of SARS-CoV-2 Detection Assays Using Seven Different Primer-Probe Sets and One Assay Kit. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	401
8	A novel outbreak enterovirus D68 strain associated with acute flaccid myelitis cases in the USA (2012–14): a retrospective cohort study. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 671-682.	4.6	348
9	Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. <i>Cell</i> , 2020, 181, 990-996.e5.	13.5	321
10	Characterization of orally efficacious influenza drug with high resistance barrier in ferrets and human airway epithelia. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	253
11	Genomic surveillance reveals multiple introductions of SARS-CoV-2 into Northern California. <i>Science</i> , 2020, 369, 582-587.	6.0	253
12	Recovery of divergent avian bornaviruses from cases of proventricular dilatation disease: Identification of a candidate etiologic agent. <i>Virology Journal</i> , 2008, 5, 88.	1.4	235
13	In vivo antiviral host transcriptional response to SARS-CoV-2 by viral load, sex, and age. <i>PLoS Biology</i> , 2020, 18, e3000849.	2.6	225
14	Cryptic transmission of SARS-CoV-2 in Washington state. <i>Science</i> , 2020, 370, 571-575.	6.0	217
15	The Perils of Pathogen Discovery: Origin of a Novel Parvovirus-Like Hybrid Genome Traced to Nucleic Acid Extraction Spin Columns. <i>Journal of Virology</i> , 2013, 87, 11966-11977.	1.5	216
16	Dynamics of Neutralizing Antibody Titers in the Months After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of Infectious Diseases</i> , 2021, 223, 197-205.	1.9	216
17	Comparison of Commercially Available and Laboratory-Developed Assays for <i>In Vitro</i> Detection of SARS-CoV-2 in Clinical Laboratories. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	215
18	A human coronavirus evolves antigenically to escape antibody immunity. <i>PLoS Pathogens</i> , 2021, 17, e1009453.	2.1	183

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19	Affinity purification-mass spectrometry and network analysis to understand protein-protein interactions. <i>Nature Protocols</i> , 2014, 9, 2539-2554.	5.5	169
20	A Metagenomic Analysis of Pandemic Influenza A (2009 H1N1) Infection in Patients from North America. <i>PLoS ONE</i> , 2010, 5, e13381.	1.1	169
21	SARS-CoV-2 breakthrough infections elicit potent, broad, and durable neutralizing antibody responses. <i>Cell</i> , 2022, 185, 872-880.e3.	13.5	165
22	Orally Efficacious Broad-Spectrum Ribonucleoside Analog Inhibitor of Influenza and Respiratory Syncytial Viruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	162
23	De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report. <i>Nature Communications</i> , 2022, 13, 1547.	5.8	159
24	Identification of cardioviruses related to Theiler's murine encephalomyelitis virus in human infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14124-14129.	3.3	152
25	The complete genome of klassevirus - a novel picornavirus in pediatric stool. <i>Virology Journal</i> , 2009, 6, 82.	1.4	152
26	The 3A Protein from Multiple Picornaviruses Utilizes the Golgi Adaptor Protein ACBD3 To Recruit PI4KIII β . <i>Journal of Virology</i> , 2012, 86, 3605-3616.	1.5	144
27	The challenge of diagnostic metagenomics. <i>Expert Review of Molecular Diagnostics</i> , 2018, 18, 605-615.	1.5	130
28	A decade of RNA virus metagenomics is (not) enough. <i>Virus Research</i> , 2018, 244, 218-229.	1.1	129
29	Direct RT-qPCR detection of SARS-CoV-2 RNA from patient nasopharyngeal swabs without an RNA extraction step. <i>PLoS Biology</i> , 2020, 18, e3000896.	2.6	119
30	Discovery of a Novel Polyomavirus in Acute Diarrheal Samples from Children. <i>PLoS ONE</i> , 2012, 7, e49449.	1.1	110
31	Detection of SARS-CoV-2 Among Residents and Staff Members of an Independent and Assisted Living Community for Older Adults - Seattle, Washington, 2020. <i>Morbidity and Mortality Weekly Report</i> , 2020, 69, 416-418.	9.0	108
32	Rapid Metagenomic Next-Generation Sequencing during an Investigation of Hospital-Acquired Human Parainfluenza Virus 3 Infections. <i>Journal of Clinical Microbiology</i> , 2017, 55, 177-182.	1.8	106
33	Enhanced arbovirus surveillance with deep sequencing: Identification of novel rhabdoviruses and bunyaviruses in Australian mosquitoes. <i>Virology</i> , 2014, 448, 146-158.	1.1	103
34	Clinical metagenomic identification of Balamuthia mandrillaris encephalitis and assembly of the draft genome: the continuing case for reference genome sequencing. <i>Genome Medicine</i> , 2015, 7, 113.	3.6	102
35	Outbreak Investigation of COVID-19 Among Residents and Staff of an Independent and Assisted Living Community for Older Adults in Seattle, Washington. <i>JAMA Internal Medicine</i> , 2020, 180, 1101.	2.6	101
36	SARS-CoV-2 ORF6 Disrupts Bidirectional Nucleocytoplasmic Transport through Interactions with Rae1 and Nup98. <i>MBio</i> , 2021, 12, .	1.8	92

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37	Validation and Implementation of Clinical Laboratory Improvements Act-Compliant Whole-Genome Sequencing in the Public Health Microbiology Laboratory. <i>Journal of Clinical Microbiology</i> , 2017, 55, 2502-2520.	1.8	80
38	Occurrence and Timing of Subsequent Severe Acute Respiratory Syndrome Coronavirus 2 Reverse-transcription Polymerase Chain Reaction Positivity Among Initially Negative Patients. <i>Clinical Infectious Diseases</i> , 2021, 72, 323-326.	2.9	78
39	Oral prodrug of remdesivir parent GS-441524 is efficacious against SARS-CoV-2 in ferrets. <i>Nature Communications</i> , 2021, 12, 6415.	5.8	74
40	Hydroxychloroquine as Postexposure Prophylaxis to Prevent Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Annals of Internal Medicine</i> , 2021, 174, 344-352.	2.0	73
41	Identification of multiple large deletions in ORF7a resulting in in-frame gene fusions in clinical SARS-CoV-2 isolates. <i>Journal of Clinical Virology</i> , 2020, 129, 104523.	1.6	71
42	Analytical Sensitivity of the Abbott BinaxNOW COVID-19 Ag Card. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	69
43	Validation of SARS-CoV-2 detection across multiple specimen types. <i>Journal of Clinical Virology</i> , 2020, 128, 104438.	1.6	66
44	Prolonged Shedding of Human Coronavirus in Hematopoietic Cell Transplant Recipients: Risk Factors and Viral Genome Evolution. <i>Journal of Infectious Diseases</i> , 2017, 216, 203-209.	1.9	64
45	Inhibition of Coronavirus Entry <i>In Vitro</i> and <i>Ex Vivo</i> by a Lipid-Conjugated Peptide Derived from the SARS-CoV-2 Spike Glycoprotein HRC Domain. <i>MBio</i> , 2020, 11, .	1.8	63
46	Metagenomic Analysis Reveals Clinical SARS-CoV-2 Infection and Bacterial or Viral Superinfection and Colonization. <i>Clinical Chemistry</i> , 2020, 66, 966-972.	1.5	63
47	CRISPR-Cas9 gene editing of hepatitis B virus in chronically infected humanized mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 258-275.	1.8	62
48	Prevalence of Coronavirus Disease 2019 Infection and Outcomes Among Symptomatic Healthcare Workers in Seattle, Washington. <i>Clinical Infectious Diseases</i> , 2020, 71, 2702-2707.	2.9	61
49	Clinical evaluation of the BioFire® Respiratory Panel 2.1 and detection of SARS-CoV-2. <i>Journal of Clinical Virology</i> , 2020, 129, 104538.	1.6	60
50	Sensitive Recovery of Complete SARS-CoV-2 Genomes from Clinical Samples by Use of Swift Biosciences™ SARS-CoV-2 Multiplex Amplicon Sequencing Panel. <i>Journal of Clinical Microbiology</i> , 2020, 59, .	1.8	58
51	Validation and verification of the Abbott RealTime SARS-CoV-2 assay analytical and clinical performance. <i>Journal of Clinical Virology</i> , 2020, 129, 104474.	1.6	58
52	Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	58
53	Trajectory of Viral RNA Load Among Persons With Incident SARS-CoV-2 G614 Infection (Wuhan Strain) in Association With COVID-19 Symptom Onset and Severity. <i>JAMA Network Open</i> , 2022, 5, e2142796.	2.8	57
54	Hydroxychloroquine with or without azithromycin for treatment of early SARS-CoV-2 infection among high-risk outpatient adults: A randomized clinical trial. <i>EClinicalMedicine</i> , 2021, 33, 100773.	3.2	55

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55	Quantification of BK Virus Standards by Quantitative Real-Time PCR and Droplet Digital PCR Is Confounded by Multiple Virus Populations in the WHO BKV International Standard. <i>Clinical Chemistry</i> , 2017, 63, 761-769.	1.5	53
56	A SARS-CoV-2 Nucleocapsid Variant that Affects Antigen Test Performance. <i>Journal of Clinical Virology</i> , 2021, 141, 104900.	1.6	53
57	Whole-Genome Sequencing of Methicillin-Resistant <i>Staphylococcus aureus</i> Resistant to Fifth-Generation Cephalosporins Reveals Potential Non-mecA Mechanisms of Resistance. <i>PLoS ONE</i> , 2016, 11, e0149541.	1.1	53
58	ACBD3 Interaction with TBC1 Domain 22 Protein Is Differentially Affected by Enteroviral and Kobuviral 3A Protein Binding. <i>MBio</i> , 2013, 4, e00098-13.	1.8	52
59	The Laboratory Diagnosis of Coronavirus Disease 2019— Frequently Asked Questions. <i>Clinical Infectious Diseases</i> , 2020, 71, 2996-3001.	2.9	52
60	Pooling of SARS-CoV-2 samples to increase molecular testing throughput. <i>Journal of Clinical Virology</i> , 2020, 131, 104570.	1.6	51
61	Ultrasensitive Capture of Human Herpes Simplex Virus Genomes Directly from Clinical Samples Reveals Extraordinarily Limited Evolution in Cell Culture. <i>MSphere</i> , 2018, 3, .	1.3	49
62	Metagenomics to Assist in the Diagnosis of Bloodstream Infection. <i>journal of applied laboratory medicine</i> , The, 2019, 3, 643-653.	0.6	49
63	Anti-SARS-CoV-2 Antibody Levels Measured by the AdviseDx SARS-CoV-2 Assay Are Concordant with Previously Available Serologic Assays but Are Not Fully Predictive of Sterilizing Immunity. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0098921.	1.8	48
64	VAPiD: a lightweight cross-platform viral annotation pipeline and identification tool to facilitate virus genome submissions to NCBI GenBank. <i>BMC Bioinformatics</i> , 2019, 20, 48.	1.2	47
65	Gene editing and elimination of latent herpes simplex virus in vivo. <i>Nature Communications</i> , 2020, 11, 4148.	5.8	46
66	Distinct Zika Virus Lineage in Salvador, Bahia, Brazil. <i>Emerging Infectious Diseases</i> , 2016, 22, 1788-1792.	2.0	45
67	Comparative genomic, transcriptomic, and proteomic reannotation of human herpesvirus 6. <i>BMC Genomics</i> , 2018, 19, 204.	1.2	45
68	DNA Microarray for Detection of Gastrointestinal Viruses. <i>Journal of Clinical Microbiology</i> , 2015, 53, 136-145.	1.8	41
69	Recent Outbreaks of Shigellosis in California Caused by Two Distinct Populations of <i>Shigella sonnei</i> with either Increased Virulence or Fluoroquinolone Resistance. <i>MSphere</i> , 2016, 1, .	1.3	40
70	Rule-Out Outbreak: 24-Hour Metagenomic Next-Generation Sequencing for Characterizing Respiratory Virus Source for Infection Prevention. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2017, 6, 168-172.	0.6	38
71	Variants of Concern Are Overrepresented Among Postvaccination Breakthrough Infections of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Washington State. <i>Clinical Infectious Diseases</i> , 2022, 74, 1089-1092.	2.9	38
72	Predicting infectivity: comparing four PCR-based assays to detect culturable SARS-CoV-2 in clinical samples. <i>EMBO Molecular Medicine</i> , 2022, 14, e15290.	3.3	38

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73	Associations Between Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants and Risk of Coronavirus Disease 2019 (COVID-19) Hospitalization Among Confirmed Cases in Washington State: A Retrospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2022, 75, e536-e544.	2.9	38
74	Hamster organotypic modeling of SARS-CoV-2 lung and brainstem infection. <i>Nature Communications</i> , 2021, 12, 5809.	5.8	37
75	Two Rapidly Growing Mycobacterial Species Isolated from a Brain Abscess: First Whole-Genome Sequences of <i>Mycobacterium immunogenum</i> and <i>Mycobacterium llutzerense</i> . <i>Journal of Clinical Microbiology</i> , 2015, 53, 2374-2377.	1.8	36
76	Optimization and clinical validation of dual-target RT-LAMP for SARS-CoV-2. <i>Journal of Virological Methods</i> , 2020, 286, 113972.	1.0	36
77	Stability of SARS-CoV-2 in Phosphate-Buffered Saline for Molecular Detection. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	36
78	Multiplexing primer/probe sets for detection of SARS-CoV-2 by qRT-PCR. <i>Journal of Clinical Virology</i> , 2020, 129, 104499.	1.6	35
79	Measuring infectious SARS-CoV-2 in clinical samples reveals a higher viral titer:RNA ratio for Delta and Epsilon vs. Alpha variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	35
80	In vivo disruption of latent HSV by designer endonuclease therapy. <i>JCI Insight</i> , 2016, 1, .	2.3	33
81	Low Prevalence of Severe Acute Respiratory Syndrome Coronavirus 2 Among Pregnant and Postpartum Patients With Universal Screening in Seattle, Washington. <i>Clinical Infectious Diseases</i> , 2021, 72, 869-872.	2.9	31
82	Evolutionary History of Endogenous Human Herpesvirus 6 Reflects Human Migration out of Africa. <i>Molecular Biology and Evolution</i> , 2021, 38, 96-107.	3.5	31
83	Specific allelic discrimination of N501Y and other SARS-CoV-2 mutations by ddPCR detects B.1.1.7 lineage in Washington State. <i>Journal of Medical Virology</i> , 2021, 93, 5931-5941.	2.5	31
84	SARS-CoV-2 Viral Load on Admission Is Associated With 30-Day Mortality. <i>Open Forum Infectious Diseases</i> , 2020, 7, ofaa535.	0.4	31
85	An optimized methodology for whole genome sequencing of RNA respiratory viruses from nasopharyngeal aspirates. <i>PLoS ONE</i> , 2018, 13, e0199714.	1.1	30
86	<i>Treponema pallidum</i> genome sequencing from six continents reveals variability in vaccine candidate genes and dominance of Nichols clade strains in Madagascar. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0010063.	1.3	30
87	Prevalent and Diverse Intratumoral Oncoprotein-Specific CD8+ T Cells within Polyomavirus-Driven Merkel Cell Carcinomas. <i>Cancer Immunology Research</i> , 2020, 8, 648-659.	1.6	28
88	The SARS-CoV-2 Omicron Variant Does Not Have Higher Nasal Viral Loads Compared to the Delta Variant in Symptomatic and Asymptomatic Individuals. <i>Journal of Clinical Microbiology</i> , 2022, 60, e0013922.	1.8	28
89	Viral Entry Properties Required for Fitness in Humans Are Lost through Rapid Genomic Change during Viral Isolation. <i>MBio</i> , 2018, 9, .	1.8	27
90	Inherited Chromosomally Integrated Human Herpesvirus 6 Demonstrates Tissue-Specific RNA Expression <i>In Vivo</i> That Correlates with an Increased Antibody Immune Response. <i>Journal of Virology</i> , 2019, 94, .	1.5	27

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91	Genetic engineering of <i>Treponema pallidum</i> subsp. <i>pallidum</i> , the Syphilis Spirochete. <i>PLoS Pathogens</i> , 2021, 17, e1009612.	2.1	27
92	The human clone ST22 SCCmec IV methicillin-resistant <i>Staphylococcus aureus</i> isolated from swine herds and wild primates in Nepal: is man the common source?. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	26
93	Cooperating H3N2 Influenza Virus Variants Are Not Detectable in Primary Clinical Samples. <i>MSphere</i> , 2018, 3, .	1.3	26
94	Western Washington State COVID-19 Experience: Keys to Flattening the Curve and Effective Health System Response. <i>Journal of the American College of Surgeons</i> , 2020, 231, 316-324e1.	0.2	26
95	Pathogen or Bystander: Clinical Significance of Detecting Human Herpesvirus 6 in Pediatric Cerebrospinal Fluid. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	26
96	T cell receptor sequencing identifies prior SARS-CoV-2 infection and correlates with neutralizing antibodies and disease severity. <i>JCI Insight</i> , 2022, 7, .	2.3	26
97	Changes in SARS-CoV-2 Positivity Rate in Outpatients in Seattle and Washington State, March 16, 2020. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 2334.	3.8	25
98	Analysis of SARS-CoV-2 infection dynamic in vivo using reporter-expressing viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
99	Serological Evidence of Human Kassevirus Infection. <i>Vaccine Journal</i> , 2010, 17, 1584-1588.	3.2	24
100	Detection of SARS-CoV-2 by bronchoscopy after negative nasopharyngeal testing: Stay vigilant for COVID-19. <i>Respiratory Medicine Case Reports</i> , 2020, 30, 101120.	0.2	24
101	Molecular Features of the Measles Virus Viral Fusion Complex That Favor Infection and Spread in the Brain. <i>MBio</i> , 2021, 12, e0079921.	1.8	24
102	The Unstructured Paramyxovirus Nucleocapsid Protein Tail Domain Modulates Viral Pathogenesis through Regulation of Transcriptase Activity. <i>Journal of Virology</i> , 2018, 92, .	1.5	23
103	Thermodynamically coupled biosensors for detecting neutralizing antibodies against SARS-CoV-2 variants. <i>Nature Biotechnology</i> , 2022, 40, 1336-1340.	9.4	23
104	In silico detection of SARS-CoV-2 specific B-cell epitopes and validation in ELISA for serological diagnosis of COVID-19. <i>Scientific Reports</i> , 2021, 11, 4290.	1.6	22
105	Development of the RealTime SARS-CoV-2 quantitative Laboratory Developed Test and correlation with viral culture as a measure of infectivity. <i>Journal of Clinical Virology</i> , 2021, 143, 104945.	1.6	22
106	Dual-strain genital herpes simplex virus type 2 (HSV-2) infection in the US, Peru, and 8 countries in sub-Saharan Africa: A nested cross-sectional viral genotyping study. <i>PLoS Medicine</i> , 2017, 14, e1002475.	3.9	22
107	Picornavirusâ€™Host Interactions to Construct Viral Secretory Membranes. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 129, 189-212.	0.9	21
108	Digital detection of endonuclease mediated gene disruption in the HIV provirus. <i>Scientific Reports</i> , 2016, 6, 20064.	1.6	21

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109	Copy Number Heterogeneity, Large Origin Tandem Repeats, and Interspecies Recombination in Human Herpesvirus 6A (HHV-6A) and HHV-6B Reference Strains. <i>Journal of Virology</i> , 2018, 92, .	1.5	21
110	Epidemiological and genomic characterization of community-acquired <i>Clostridium difficile</i> infections. <i>BMC Infectious Diseases</i> , 2018, 18, 443.	1.3	21
111	Large, Stable, Contemporary Interspecies Recombination Events in Circulating Human Herpes Simplex Viruses. <i>Journal of Infectious Diseases</i> , 2019, 221, 1271-1279.	1.9	21
112	Prospective, Real-time Metagenomic Sequencing During Norovirus Outbreak Reveals Discrete Transmission Clusters. <i>Clinical Infectious Diseases</i> , 2019, 69, 941-948.	2.9	21
113	International Spread of Multidrug-Resistant <i>Campylobacter coli</i> in Men Who Have Sex With Men in Washington State and Québec, 2015–2018. <i>Clinical Infectious Diseases</i> , 2020, 71, 1896-1904.	2.9	20
114	Clinical and Infection Prevention Applications of Severe Acute Respiratory Syndrome Coronavirus 2 Genotyping: An Infectious Diseases Society of America/American Society for Microbiology Consensus Review Document. <i>Clinical Infectious Diseases</i> , 2022, 74, 1496-1502.	2.9	20
115	Immunogenicity of a heterologous COVID-19 vaccine after failed vaccination in a lymphoma patient. <i>Cancer Cell</i> , 2021, 39, 1037-1038.	7.7	20
116	Copy Number Heterogeneity of JC Virus Standards. <i>Journal of Clinical Microbiology</i> , 2017, 55, 824-831.	1.8	19
117	Estimation of Full-Length TprK Diversity in <i>Treponema pallidum</i> subsp. <i>pallidum</i> . <i>MBio</i> , 2020, 11, .	1.8	19
118	Limited Marginal Utility of Deep Sequencing for HIV Drug Resistance Testing in the Age of Integrase Inhibitors. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	18
119	Orally efficacious broad-spectrum allosteric inhibitor of paramyxovirus polymerase. <i>Nature Microbiology</i> , 2020, 5, 1232-1246.	5.9	18
120	Comparative genomics and full-length Tprk profiling of <i>Treponema pallidum</i> subsp. <i>pallidum</i> reinfection. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007921.	1.3	18
121	Genomics and transcriptomics yields a system-level view of the biology of the pathogen <i>Naegleria fowleri</i> . <i>BMC Biology</i> , 2021, 19, 142.	1.7	18
122	Highly conserved intragenic HSV-2 sequences: Results from next-generation sequencing of HSV-2 UL and US regions from genital swabs collected from 3 continents. <i>Virology</i> , 2017, 510, 90-98.	1.1	17
123	Heterogeneous Antimicrobial Susceptibility Characteristics in <i>Pseudomonas aeruginosa</i> Isolates from Cystic Fibrosis Patients. <i>MSphere</i> , 2018, 3, .	1.3	17
124	Complete genome sequence of sequential <i>Pandoraea apista</i> isolates from the same cystic fibrosis patient supports a model of chronic colonization with in vivo strain evolution over time. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017, 87, 1-6.	0.8	16
125	Prolonged persistence of PCR-detectable virus during an outbreak of SARS-CoV-2 in an inpatient geriatric psychiatry unit in King County, Washington. <i>American Journal of Infection Control</i> , 2021, 49, 293-298.	1.1	16
126	Performance characteristics of the Abbott Alinity m SARS-CoV-2 assay. <i>Journal of Clinical Virology</i> , 2021, 140, 104869.	1.6	16

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127	Sensitive Identification of Bacterial DNA in Clinical Specimens by Broad-Range 16S rRNA Gene Enrichment. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	15
128	Cell free DNA from respiratory pathogens is detectable in the blood plasma of Cystic Fibrosis patients. <i>Scientific Reports</i> , 2020, 10, 6903.	1.6	15
129	Longitudinal TprK profiling of in vivo and in vitro-propagated <i>Treponema pallidum</i> subsp. <i>pallidum</i> reveals accumulation of antigenic variants in absence of immune pressure. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009753.	1.3	15
130	Retrospective clinical evaluation of 4 lateral flow assays for the detection of SARS-CoV-2 IgG. <i>Diagnostic Microbiology and Infectious Disease</i> , 2020, 98, 115161.	0.8	14
131	CrAssphage and its bacterial host in cat feces. <i>Scientific Reports</i> , 2021, 11, 815.	1.6	14
132	Evaluating Antibody Mediated Protection against Alpha, Beta, and Delta SARS-CoV-2 Variants of Concern in K18-hACE2 Transgenic Mice. <i>Journal of Virology</i> , 2022, 96, jvi0218421.	1.5	14
133	A Method for Variant Agnostic Detection of SARS-CoV-2, Rapid Monitoring of Circulating Variants, and Early Detection of Emergent Variants Such as Omicron. <i>Journal of Clinical Microbiology</i> , 2022, 60, .	1.8	14
134	Whole-genome analysis of extraintestinal pathogenic <i>Escherichia coli</i> (ExPEC) MDR ST73 and ST127 isolated from endangered southern resident killer whales (<i>Orcinus orca</i>). <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2176-2180.	1.3	13
135	Expedited SARS-CoV-2 screening of donors and recipients supports continued solid organ transplantation. <i>American Journal of Transplantation</i> , 2020, 20, 3106-3112.	2.6	13
136	A Bifluorescent-Based Assay for the Identification of Neutralizing Antibodies against SARS-CoV-2 Variants of Concern <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Virology</i> , 2021, 95, e0112621.	1.5	13
137	Clinical and Infection Prevention Applications of Severe Acute Respiratory Syndrome Coronavirus 2 Genotyping: an Infectious Diseases Society of America/American Society for Microbiology Consensus Review Document. <i>Journal of Clinical Microbiology</i> , 2022, 60, JCM0165921.	1.8	13
138	A Novel, Widespread <i>qacA</i> Allele Results in Reduced Chlorhexidine Susceptibility in <i>Staphylococcus epidermidis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	12
139	The First Quarter of SARS-CoV-2 Testing: the University of Washington Medicine Experience. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	12
140	Estimating the False-Positive Rate of Highly Automated SARS-CoV-2 Nucleic Acid Amplification Testing. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0108021.	1.8	12
141	Human parainfluenza virus evolution during lung infection of immunocompromised individuals promotes viral persistence. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	12
142	Mutations in viral nucleocapsid protein and endoRNase are discovered to associate with COVID19 hospitalization risk. <i>Scientific Reports</i> , 2022, 12, 1206.	1.6	12
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