

# Alexander Greninger

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

233  
papers

9,288  
citations

41  
h-index

92  
g-index

270  
ext. papers

12,549  
ext. citations

9.6  
avg, IF

6.79  
L-index

#	Paper	IF	Citations
233	SARS-CoV-2 breakthrough infections elicit potent, broad, and durable neutralizing antibody responses.. <i>Cell</i> , <b>2022</b> ,	56.2	21
232	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> , <b>2022</b> , 119,	11.5	6
231	Mutations in viral nucleocapsid protein and endoRNase are discovered to associate with COVID19 hospitalization risk.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1206	4.9	3
230	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> , <b>2022</b> , 5, e2142798	10.4	2
229	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> , <b>2022</b> , jvi0218421	6.6	1
228	Elucidating Pathways Mediating the Relationship Between Male Sex and COVID-19 Severity.. <i>Clinical Epidemiology</i> , <b>2022</b> , 14, 115-125	5.9	0
227	The Impact of B-cell Directed Therapy on SARS-CoV-2 Vaccine Efficacy in CLL.. <i>British Journal of Haematology</i> , <b>2022</b> ,	4.5	1
226	Fragment Size-Based Enrichment of Viral Sequences in Plasma Cell-Free DNA.. <i>Journal of Molecular Diagnostics</i> , <b>2022</b> , 24, 476-484	5.1	1
225	Modeling Infection and Tropism of Human Parainfluenza Virus Type 3 in Ferrets.. <i>MBio</i> , <b>2022</b> , e0383121	7.8	0
224	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> , <b>2022</b> , e0013922	9.7	3
223	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> , <b>2022</b> , 13, 1547	17.4	6
222	Response of Human Liver Tissue to Innate Immune Stimuli.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 811551	8.4	
221	Host-pathogen dynamics in longitudinal clinical specimens from patients with COVID-19.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5856	4.9	1
220	Identification of Omicron-Delta Coinfections Using PCR-Based Genotyping.. <i>Microbiology Spectrum</i> , <b>2022</b> , e0060522	8.9	1
219	Two Novel Iflaviruses Discovered in Bat Samples in Washington State. <i>Viruses</i> , <b>2022</b> , 14, 994	6.2	1
218	Molecular Analysis of SARS-CoV-2 Lineages in Armenia. <i>Viruses</i> , <b>2022</b> , 14, 1074	6.2	1
217	Monoclonal antibody treatment drives rapid culture conversion in SARS-CoV-2 infection. <b>2021</b> ,		6

216	Treponema pallidum 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> , <b>2021</b> , 15, e0010063	4.8	2
215	Oral prodrug of remdesivir parent GS-441524 is efficacious against SARS-CoV-2 in ferrets. <i>Nature Communications</i> , <b>2021</b> , 12, 6415	17.4	27
214	Clinical and Infection Prevention Applications of SARS-CoV-2 Genotyping: an IDSA/ASM Consensus Review Document. <i>Journal of Clinical Microbiology</i> , <b>2021</b> , JCM0165921	9.7	3
213	Optimal test-assisted quarantine strategies for COVID-19 <b>2021</b> ,		1
212	emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: A case report. <b>2021</b> ,		2
211	Predicting Infectivity: Comparing Four PCR-based Assays to Detect Culturable SARS-CoV-2 in Clinical Samples. <i>EMBO Molecular Medicine</i> , <b>2021</b> , e15290	12	8
210	Human parainfluenza virus evolution during lung infection of immunocompromised individuals promotes viral persistence. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	2
209	Hamster organotypic modeling of SARS-CoV-2 lung and brainstem infection. <i>Nature Communications</i> , <b>2021</b> , 12, 5809	17.4	3
208	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> , <b>2021</b> , 33, 100773	11.3	28
207	Endogenously Produced SARS-CoV-2 Specific IgG Antibodies May Have a Limited Impact on Clearing Nasal Shedding of Virus during Primary Infection in Humans. <i>Viruses</i> , <b>2021</b> , 13,	6.2	3
206	Clinical and Virologic Characteristics and Outcomes of Coronavirus Disease 2019 at a Cancer Center. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, ofab193	1	1
205	Inactivation of genes in oxidative respiration and iron acquisition pathways in pediatric clinical isolates of Small colony variant Enterobacteriaceae. <i>Scientific Reports</i> , <b>2021</b> , 11, 7457	4.9	1
204	SARS-CoV-2 ORF6 Disrupts Bidirectional Nucleocytoplasmic Transport through Interactions with Rae1 and Nup98. <i>MBio</i> , <b>2021</b> , 12,	7.8	26
203	A human coronavirus evolves antigenically to escape antibody immunity. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009453	9.453	93
202	Retrospective Detection of SARS-CoV-2 in Symptomatic Patients prior to Widespread Diagnostic Testing in Southern California. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	3
201	Generation of BK and JC Polyomavirus Defective Viral Genomes in Human Urine Samples Associated with Higher Viral Loads. <i>Journal of Virology</i> , <b>2021</b> , 95,	6.6	2
200	Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	18
199	SARS-CoV-2 B.1.1.7 and B.1.351 variants of concern induce lethal disease in K18-hACE2 transgenic mice despite convalescent plasma therapy <b>2021</b> ,		9

198	Molecular Features of the Measles Virus Viral Fusion Complex That Favor Infection and Spread in the Brain. <i>MBio</i> , <b>2021</b> , 12, e0079921	7.8	4
197	Variants of concern are overrepresented among post-vaccination breakthrough infections of SARS-CoV-2 in Washington State. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	23
196	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> , <b>2021</b> , 93, 5931-5941	19.7	16
195	Performance characteristics of the Abbott Alinity m SARS-CoV-2 assay. <i>Journal of Clinical Virology</i> , <b>2021</b> , 140, 104869	14.5	4
194	Reducing COVID-19 quarantine with SARS-CoV-2 testing: a simulation study. <i>BMJ Open</i> , <b>2021</b> , 11, e050473		4
193	Estimating the False-Positive Rate of Highly Automated SARS-CoV-2 Nucleic Acid Amplification Testing. <i>Journal of Clinical Microbiology</i> , <b>2021</b> , 59, e0108021	9.7	6
192	Genomics and transcriptomics yields a system-level view of the biology of the pathogen <i>Naegleria fowleri</i> . <i>BMC Biology</i> , <b>2021</b> , 19, 142	7.3	7
191	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> , <b>2021</b> , 72, 869-872	11.6	20
190	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> , <b>2021</b> , 72, 323-326	11.6	57
189	Dynamics of Neutralizing Antibody Titers in the Months After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 197-205	7	119
188	Hydroxychloroquine as Postexposure Prophylaxis to Prevent Severe Acute Respiratory Syndrome Coronavirus 2 Infection : A Randomized Trial. <i>Annals of Internal Medicine</i> , <b>2021</b> , 174, 344-352	8	36
187	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> , <b>2021</b> , 49, 293-298	3.8	14
186	Evolutionary History of Endogenous Human Herpesvirus 6 Reflects Human Migration out of Africa. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 96-107	8.3	10
185	CrAssphage and its bacterial host in cat feces. <i>Scientific Reports</i> , <b>2021</b> , 11, 815	4.9	6
184	Clinical and Infection Prevention Applications of SARS-CoV-2 Genotyping: An IDSA/ASM Consensus Review Document. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	4
183	NGSocomial Infections: High-Resolution Views of Hospital-Acquired Infections Through Genomic Epidemiology.. <i>Journal of the Pediatric Infectious Diseases Society</i> , <b>2021</b> , 10, S88-S95	4.8	1
182	Analytical Sensitivity of the Abbott BinaxNOW COVID-19 Ag Card. <i>Journal of Clinical Microbiology</i> , <b>2021</b> , 59,	9.7	40
181	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> , <b>2021</b> , 11, 4290	4.9	9

180	CRISPR-Cas9 gene editing of hepatitis B virus in chronically infected humanized mice. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2021</b> , 20, 258-275	6.4	24
179	Genetic engineering of <i>Treponema pallidum</i> subsp. <i>pallidum</i> , the Syphilis Spirochete. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009612	7.6	4
178	Test it earlier, result it faster, makes us stronger: how rapid viral diagnostics enable therapeutic success. <i>Current Opinion in Virology</i> , <b>2021</b> , 49, 111-116	7.5	1
177	A SARS-CoV-2 Nucleocapsid Variant that Affects Antigen Test Performance. <i>Journal of Clinical Virology</i> , <b>2021</b> , 141, 104900	14.5	17
176	Immunogenicity of a heterologous COVID-19 vaccine after failed vaccination in a lymphoma patient. <i>Cancer Cell</i> , <b>2021</b> , 39, 1037-1038	24.3	15
175	Whole Genome Sequence Analysis of <i>Brucella melitensis</i> Phylogeny and Virulence Factors. <i>Microbiology Research</i> , <b>2021</b> , 12, 698-710	1	0
174	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> , <b>2021</b> , 59, e0098921	9.7	17
173	Fast SARS-CoV-2 Variant Detection Using Snapback Primer High-Resolution Melting. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	2
172	Emergence of SARS-CoV-2 Resistance with Monoclonal Antibody Therapy <b>2021</b> ,		6
171	Unbiased Pandemic Pathogen Detection and the Federal Register. <i>Journal of Clinical Microbiology</i> , <b>2021</b> , 59, e0134621	9.7	
170	Phylogenetic estimates of SARS-CoV-2 introductions into Washington State.. <i>The Lancet Regional Health Americas</i> , <b>2021</b> , 1, 100018		1
169	Quantitative measurement of infectious virus in SARS-CoV-2 Alpha, Delta and Epsilon variants reveals higher infectivity (viral titer:RNA ratio) in clinical samples containing the Delta and Epsilon variants <b>2021</b> ,		15
168	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> , <b>2021</b> , 15, e0009753	4.8	0
167	A Bifluorescent-Based Assay for the Identification of Neutralizing Antibodies against SARS-CoV-2 Variants of Concern and. <i>Journal of Virology</i> , <b>2021</b> , 95, e0112621	6.6	2
166	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> , <b>2021</b> , 118,	11.5	4
165	Associations between SARS-CoV-2 variants and risk of COVID-19 hospitalization among confirmed cases in Washington State: a retrospective cohort study <b>2021</b> ,		9
164	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> , <b>2021</b> , 143, 104945	14.5	7
163	Modifying laboratory testing via home brew during the COVID-19 pandemic. <i>Journal of Clinical and Translational Science</i> , <b>2021</b> , 5, e93	0.4	0

162	RADx Variant Task Force Program for Assessing the Impact of Variants on SARS-CoV-2 Molecular and Antigen Tests.. <i>IEEE Open Journal of Engineering in Medicine and Biology</i> , <b>2021</b> , 2, 286-290	5.9	1
161	Rapid adaptation to human protein kinase R by a unique genomic rearrangement in rhesus cytomegalovirus. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009088	7.6	3
160	Delta breakthrough infections elicit potent, broad and durable neutralizing antibody responses. <b>2021</b> ,		3
159	Large, Stable, Contemporary Interspecies Recombination Events in Circulating Human Herpes Simplex Viruses. <i>Journal of Infectious Diseases</i> , <b>2020</b> , 221, 1271-1279	7	18
158	Pathogen or Bystander: Clinical Significance of Detecting Human Herpesvirus 6 in Pediatric Cerebrospinal Fluid. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	15
157	Stability of SARS-CoV-2 in Phosphate-Buffered Saline for Molecular Detection. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	20
156	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> , <b>2020</b> , 180, 1101-1105	11.5	71
155	Metagenomic Analysis Reveals Clinical SARS-CoV-2 Infection and Bacterial or Viral Superinfection and Colonization. <i>Clinical Chemistry</i> , <b>2020</b> , 66, 966-972	5.5	41
154	Changes in SARS-CoV-2 Positivity Rate in Outpatients in Seattle and Washington State, March 1-April 16, 2020. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 323, 2334-2336	27.4	18
153	Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. <i>Cell</i> , <b>2020</b> , 181, 990-996.e5	56.2	235
152	Performance Characteristics of the Abbott Architect SARS-CoV-2 IgG Assay and Seroprevalence in Boise, Idaho. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	377
151	Expedited SARS-CoV-2 screening of donors and recipients supports continued solid organ transplantation. <i>American Journal of Transplantation</i> , <b>2020</b> , 20, 3106-3112	8.7	6
150	Validation of SARS-CoV-2 detection across multiple specimen types. <i>Journal of Clinical Virology</i> , <b>2020</b> , 128, 104438	14.5	51
149	Validation and verification of the Abbott RealTime SARS-CoV-2 assay analytical and clinical performance. <i>Journal of Clinical Virology</i> , <b>2020</b> , 129, 104474	14.5	39
148	Multiplexing primer/probe sets for detection of SARS-CoV-2 by qRT-PCR. <i>Journal of Clinical Virology</i> , <b>2020</b> , 129, 104499	14.5	21
147	Preprocedural Surveillance Testing for SARS-CoV-2 in an Asymptomatic Population in the Seattle Region Shows Low Rates of Positivity. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	4
146	Prevalence of Coronavirus Disease 2019 Infection and Outcomes Among Symptomatic Healthcare Workers in Seattle, Washington. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 2702-2707	11.6	44
145	Detection of SARS-CoV-2 by bronchoscopy after negative nasopharyngeal testing: Stay vigilant for COVID-19. <i>Respiratory Medicine Case Reports</i> , <b>2020</b> , 30, 101120	1.2	17

144	When To Retest: an Examination of Repeat COVID-19 PCR Patterns in an Ambulatory Population. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	3
143	The Laboratory Diagnosis of Coronavirus Disease 2019- Frequently Asked Questions. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 2996-3001	11.6	27
142	Genomic surveillance reveals multiple introductions of SARS-CoV-2 into Northern California. <i>Science</i> , <b>2020</b> , 369, 582-587	33.3	162
141	Covid-19 in Critically Ill Patients in the Seattle Region - Case Series. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 2012-2022	59.2	1616
140	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> , <b>2020</b> , 129, 104523	14.5	39
139	High-resolution profiling of human cytomegalovirus cell-free DNA in human plasma highlights its exceptionally fragmented nature. <i>Scientific Reports</i> , <b>2020</b> , 10, 3734	4.9	1
138	Identification of Mycobacterium porcinum in patients with cystic Fibrosis: Pathogen or contaminant?. <i>Journal of Cystic Fibrosis</i> , <b>2020</b> , 19, 580-586	4.1	2
137	Comparison of Commercially Available and Laboratory-Developed Assays for Detection of SARS-CoV-2 in Clinical Laboratories. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	166
136	Comparative Performance of SARS-CoV-2 Detection Assays Using Seven Different Primer-Probe Sets and One Assay Kit. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	314
135	Cell free DNA from respiratory pathogens is detectable in the blood plasma of Cystic Fibrosis patients. <i>Scientific Reports</i> , <b>2020</b> , 10, 6903	4.9	7
134	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> , <b>2020</b> , 69, 416-418	31.7	83
133	Evaluation of Genotypic Antiviral Resistance Testing as an Alternative to Phenotypic Testing in a Patient with DOCK8 Deficiency and Severe HSV-1 Disease. <i>Journal of Infectious Diseases</i> , <b>2020</b> , 221, 2035-2042 <sup>3</sup>		
132	SARS-CoV-2 Viral Load on Admission Is Associated With 30-Day Mortality. <i>Open Forum Infectious Diseases</i> , <b>2020</b> , 7, ofaa535	1	23
131	DIRECT RT-qPCR DETECTION OF SARS-CoV-2 RNA FROM PATIENT NASOPHARYNGEAL SWABS WITHOUT AN RNA EXTRACTION STEP <b>2020</b> ,		49
130	Cryptic transmission of SARS-CoV-2 in Washington State <b>2020</b> ,		40
129	Reliability of self-sampling for accurate assessment of respiratory virus viral and immunologic kinetics <b>2020</b> ,		3
128	antiviral host response to SARS-CoV-2 by viral load, sex, and age <b>2020</b> ,		14
127	Neutralizing antibodies correlate with protection from SARS-CoV-2 in humans during a fishery vessel outbreak with high attack rate <b>2020</b> ,		26

126	Reinfection with SARS-CoV-2 and Failure of Humoral Immunity: a case report <b>2020</b> ,		37
125	Outcomes associated with SARS-CoV-2 viral clades in COVID-19 <b>2020</b> ,		4
124	Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State <b>2020</b> ,		7
123	International Spread of Multidrug-Resistant <i>Campylobacter coli</i> in Men Who Have Sex With Men in Washington State and QuBec, 2015-2018. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 1896-1904	11.6	8
122	Direct RT-qPCR detection of SARS-CoV-2 RNA from patient nasopharyngeal swabs without an RNA extraction step. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000896	9.7	77
121	Pooling of SARS-CoV-2 samples to increase molecular testing throughput. <i>Journal of Clinical Virology</i> , <b>2020</b> , 131, 104570	14.5	40
120	Optimization and clinical validation of dual-target RT-LAMP for SARS-CoV-2. <i>Journal of Virological Methods</i> , <b>2020</b> , 286, 113972	2.6	24
119	Sensitive Identification of Bacterial DNA in Clinical Specimens by Broad-Range 16S rRNA Gene Enrichment. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	8
118	Orally efficacious broad-spectrum allosteric inhibitor of paramyxovirus polymerase. <i>Nature Microbiology</i> , <b>2020</b> , 5, 1232-1246	26.6	8
117	Clinical evaluation of the BioFire <sup>®</sup> Respiratory Panel 2.1 and detection of SARS-CoV-2. <i>Journal of Clinical Virology</i> , <b>2020</b> , 129, 104538	14.5	35
116	Estimation of Full-Length TprK Diversity in <i>Treponema pallidum</i> subsp.. <i>MBio</i> , <b>2020</b> , 11,	7.8	3
115	Sensitive Recovery of Complete SARS-CoV-2 Genomes from Clinical Samples by Use of Swift Biosciences <sup>®</sup> SARS-CoV-2 Multiplex Amplicon Sequencing Panel. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 59,	9.7	33
114	The First Quarter of SARS-CoV-2 Testing: the University of Washington Medicine Experience. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	10
113	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> , <b>2020</b> , 231, 316-324.e1	4.4	13
112	Reliability of self-sampling for accurate assessment of respiratory virus viral and immunologic kinetics. <i>Journal of Infectious Diseases</i> , <b>2020</b> ,	7	6
111	Retrospective clinical evaluation of 4 lateral flow assays for the detection of SARS-CoV-2 IgG. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2020</b> , 98, 115161	2.9	8
110	Inhibition of Coronavirus Entry and by a Lipid-Conjugated Peptide Derived from the SARS-CoV-2 Spike Glycoprotein HRC Domain. <i>MBio</i> , <b>2020</b> , 11,	7.8	33
109	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> , <b>2020</b> , 58,	9.7	320



108	Herpes Simplex Virus Mistyping due to HSV-1 [HSV-2 Interspecies Recombination in Viral Gene Encoding Glycoprotein B. <i>Viruses</i> , <b>2020</b> , 12,	6.2	2
107	Detection of SARS-CoV-2 with SHERLOCK One-Pot Testing. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 1492-1494	59.2	231
106	In vivo antiviral host transcriptional response to SARS-CoV-2 by viral load, sex, and age. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000849	9.7	129
105	Cryptic transmission of SARS-CoV-2 in Washington state. <i>Science</i> , <b>2020</b> , 370, 571-575	33.3	135
104	Gene editing and elimination of latent herpes simplex virus in vivo. <i>Nature Communications</i> , <b>2020</b> , 11, 4148	17.4	21
103	Prevalent and Diverse Intratumoral Oncoprotein-Specific CD8 T Cells within Polyomavirus-Driven Merkel Cell Carcinomas. <i>Cancer Immunology Research</i> , <b>2020</b> , 8, 648-659	12.5	9
102	Comparative genomics and full-length Tprk profiling of <i>Treponema pallidum</i> subsp. <i>pallidum</i> reinfection. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0007921	4.8	6
101	VAPiD: a lightweight cross-platform viral annotation pipeline and identification tool to facilitate virus genome submissions to NCBI GenBank. <i>BMC Bioinformatics</i> , <b>2019</b> , 20, 48	3.6	22
100	Genome-Wide Approach to the CD4 T-Cell Response to Human Herpesvirus 6B. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	3
99	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> , <b>2019</b> , 74, 2176-2180	5.1	3
98	A Novel, Widespread Allele Results in Reduced Chlorhexidine Susceptibility in. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	9
97	Societal Implications of the Internet of Pathogens. <i>Journal of Clinical Microbiology</i> , <b>2019</b> , 57,	9.7	6
96	One future of clinical metagenomic sequencing for infectious diseases. <i>Expert Review of Molecular Diagnostics</i> , <b>2019</b> , 19, 849-851	3.8	1
95	Characterization of orally efficacious influenza drug with high resistance barrier in ferrets and human airway epithelia. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	134
94	Inherited Chromosomally Integrated Human Herpesvirus 6 Demonstrates Tissue-Specific RNA Expression That Correlates with an Increased Antibody Immune Response. <i>Journal of Virology</i> , <b>2019</b> , 94,	6.6	16
93	The Brief Case: Inherited Chromosomally Integrated Human Herpesvirus 6 (HHV-6) in the Age of Multiplex HHV-6 Testing. <i>Journal of Clinical Microbiology</i> , <b>2019</b> , 57,	9.7	1
92	Comparison of Three Adenovirus Quantitative PCR Assays with ATCC Reference Strains and Clinical Samples. <i>Journal of Clinical Microbiology</i> , <b>2019</b> , 57,	9.7	1
91	Trillions and Trillions: Herpes Simplex Virus-1 Hepatitis in an Immunocompetent Adult. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, ofz465	1	3

90	Prospective, Real-time Metagenomic Sequencing During Norovirus Outbreak Reveals Discrete Transmission Clusters. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, 941-948	11.6	11
89	, a Potential Pulmonary Pathogen Isolated from Multiple Patients with Bronchiectasis in the United States, Including the First Case of Clinical Disease in a Patient with Cystic Fibrosis. <i>Journal of Clinical Microbiology</i> , <b>2019</b> , 57,	9.7	2
88	Metagenomics to Assist in the Diagnosis of Bloodstream Infection. <i>journal of applied laboratory medicine, The</i> , <b>2019</b> , 3, 643-653	2	14
87	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> , <b>2018</b> , 92,	6.6	15
86	The Unstructured Paramyxovirus Nucleocapsid Protein Tail Domain Modulates Viral Pathogenesis through Regulation of Transcriptase Activity. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	16
85	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> , <b>2018</b> , 94,	4.3	16
84	Heterogeneous Antimicrobial Susceptibility Characteristics in Isolates from Cystic Fibrosis Patients. <i>MSphere</i> , <b>2018</b> , 3,	5	13
83	A decade of RNA virus metagenomics is (not) enough. <i>Virus Research</i> , <b>2018</b> , 244, 218-229	6.4	74
82	Ultrasensitive Capture of Human Herpes Simplex Virus Genomes Directly from Clinical Samples Reveals Extraordinarily Limited Evolution in Cell Culture. <i>MSphere</i> , <b>2018</b> , 3,	5	28
81	Comparative genomic, transcriptomic, and proteomic reannotation of human herpesvirus 6. <i>BMC Genomics</i> , <b>2018</b> , 19, 204	4.5	32
80	Orally Efficacious Broad-Spectrum Ribonucleoside Analog Inhibitor of Influenza and Respiratory Syncytial Viruses. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2018</b> , 62,	5.9	89
79	The challenge of diagnostic metagenomics. <i>Expert Review of Molecular Diagnostics</i> , <b>2018</b> , 18, 605-615	3.8	80
78	Viral Entry Properties Required for Fitness in Humans Are Lost through Rapid Genomic Change during Viral Isolation. <i>MBio</i> , <b>2018</b> , 9,	7.8	19
77	Cooperating H3N2 Influenza Virus Variants Are Not Detectable in Primary Clinical Samples. <i>MSphere</i> , <b>2018</b> , 3,	5	21
76	Limited Marginal Utility of Deep Sequencing for HIV Drug Resistance Testing in the Age of Integrase Inhibitors. <i>Journal of Clinical Microbiology</i> , <b>2018</b> , 56,	9.7	13
75	Epidemiological and genomic characterization of community-acquired <i>Clostridium difficile</i> infections. <i>BMC Infectious Diseases</i> , <b>2018</b> , 18, 443	4	11
74	Private collection: high correlation of sample collection and patient admission date in clinical microbiological testing complicates sharing of phylogenetic metadata. <i>Virus Evolution</i> , <b>2018</b> , 4, vey005	3.7	5
73	An optimized methodology for whole genome sequencing of RNA respiratory viruses from nasopharyngeal aspirates. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199714	3.7	19

72	Distribution of Staphylococcus species in dairy cows, workers and shared farm environments. <i>FEMS Microbiology Letters</i> , <b>2018</b> , 365,	2.9	6
71	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> , <b>2017</b> , 63, 761-769	5.5	40
70	Genome Sequences of Three Novel Bunyaviruses, Two Novel Rhabdoviruses, and One Novel Nyamivirus from Washington State Moths. <i>Genome Announcements</i> , <b>2017</b> , 5,		8
69	Clostridium perfringens sepsis masquerading as a hemolytic transfusion reaction. <i>Transfusion</i> , <b>2017</b> , 57, 1112	2.9	3
68	First Complete Genome Sequence of. <i>Genome Announcements</i> , <b>2017</b> , 5,		1
67	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> , <b>2017</b> , 6, 168-172	4.8	26
66	Copy Number Heterogeneity of JC Virus Standards. <i>Journal of Clinical Microbiology</i> , <b>2017</b> , 55, 824-831	9.7	14
65	Isolation and characterization of the fall Chinook aquareovirus. <i>Virology Journal</i> , <b>2017</b> , 14, 170	6.1	7
64	Draft Genome Sequences of Six Novel Picorna-Like Viruses from Washington State Spiders. <i>Genome Announcements</i> , <b>2017</b> , 5,		5
63	Highly conserved intragenic HSV-2 sequences: Results from next-generation sequencing of HSV-2 U and U regions from genital swabs collected from 3 continents. <i>Virology</i> , <b>2017</b> , 510, 90-98	3.6	11
62	Validation and Implementation of Clinical Laboratory Improvements Act-Compliant Whole-Genome Sequencing in the Public Health Microbiology Laboratory. <i>Journal of Clinical Microbiology</i> , <b>2017</b> , 55, 2502-2520	9.7	53
61	Tuning DNA binding affinity and cleavage specificity of an engineered gene-targeting nuclease via surface display, flow cytometry and cellular analyses. <i>Protein Engineering, Design and Selection</i> , <b>2017</b> , 30, 503-522	1.9	2
60	Prolonged Shedding of Human Coronavirus in Hematopoietic Cell Transplant Recipients: Risk Factors and Viral Genome Evolution. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 216, 203-209	7	51
59	Myeloablation-associated deletion of ORF4 in a human coronavirus 229E infection. <i>Npj Genomic Medicine</i> , <b>2017</b> , 2, 30	6.2	6
58	Complete genome sequence of sequential Pandoraea apista 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> , <b>2017</b> , 87, 1-6	2.9	7
57	Rapid Metagenomic Next-Generation Sequencing during an Investigation of Hospital-Acquired Human Parainfluenza Virus 3 Infections. <i>Journal of Clinical Microbiology</i> , <b>2017</b> , 55, 177-182	9.7	83
56	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> , <b>2017</b> , 14, e1002475	11.6	14
55	Mycobacterium grossiae sp. nov., a rapidly growing, scotochromogenic species isolated from human clinical respiratory and blood culture specimens. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2017</b> , 67, 4345-4351	2.2	5

54	First Draft Genome Sequences of <i>Neisseria</i> sp. Strain 83E34 and <i>Neisseria</i> sp. Strain 74A18, Previously Identified as CDC Eugonic Fermenter 4b Species. <i>Genome Announcements</i> , <b>2016</b> , 4,		1
53	In vivo disruption of latent HSV by designer endonuclease therapy. <i>JCI Insight</i> , <b>2016</b> , 1,	9.9	23
52	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> , <b>2016</b> , 11, e0149541	3.7	36
51	Distinct Zika Virus Lineage in Salvador, Bahia, Brazil. <i>Emerging Infectious Diseases</i> , <b>2016</b> , 22, 1788-92	10.2	35
50	Digital detection of endonuclease mediated gene disruption in the HIV provirus. <i>Scientific Reports</i> , <b>2016</b> , 6, 20064	4.9	18
49	Recent Outbreaks of Shigellosis in California Caused by Two Distinct Populations of with either Increased Virulence or Fluoroquinolone Resistance. <i>MSphere</i> , <b>2016</b> , 1,	5	33
48	Draft Genome Sequence of Goose Dicistrovirus. <i>Genome Announcements</i> , <b>2016</b> , 4,		7
47	Picornavirus--host interactions to construct viral secretory membranes. <i>Progress in Molecular Biology and Translational Science</i> , <b>2015</b> , 129, 189-212	4	18
46	Two Rapidly Growing Mycobacterial Species Isolated from a Brain Abscess: First Whole-Genome Sequences of <i>Mycobacterium immunogenum</i> and <i>Mycobacterium llatzerense</i> . <i>Journal of Clinical Microbiology</i> , <b>2015</b> , 53, 2374-7	9.7	25
45	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, The</i> , <b>2015</b> , 15, 671-82	25.5	277
44	Draft Genome Sequences of Four NDM-1-Producing <i>Klebsiella pneumoniae</i> Strains from a Health Care Facility in Northern California. <i>Genome Announcements</i> , <b>2015</b> , 3,		9
43	Draft Genome Sequence of <i>Mycobacterium obuense</i> Strain UC1, Isolated from Patient Sputum. <i>Genome Announcements</i> , <b>2015</b> , 3,		3
42	DNA microarray for detection of gastrointestinal viruses. <i>Journal of Clinical Microbiology</i> , <b>2015</b> , 53, 136-45	4.7	32
41	Rapid metagenomic identification of viral pathogens in clinical samples by real-time nanopore sequencing analysis. <i>Genome Medicine</i> , <b>2015</b> , 7, 99	14.4	331
40	Draft Genome Sequence of <i>Turicella otitidis</i> TD1, Isolated from a Patient with Bacteremia. <i>Genome Announcements</i> , <b>2015</b> , 3,		1
39	Draft Genome Sequence of <i>Kerstersia gyiorum</i> CG1, Isolated from a Leg Ulcer. <i>Genome Announcements</i> , <b>2015</b> , 3,		2
38	Draft Genome Sequences of Ciliovirus and Brinovirus from San Francisco Wastewater. <i>Genome Announcements</i> , <b>2015</b> , 3,		8
37	Draft Genome Sequence of <i>Mycobacterium elephantis</i> Strain Lipa. <i>Genome Announcements</i> , <b>2015</b> , 3,		1

36	Draft Genome Sequence of Mycobacterium heraklionense Strain Davo. <i>Genome Announcements</i> , <b>2015</b> , 3,		3
35	Clinical metagenomic identification of Balamuthia mandrillaris encephalitis and assembly of the draft genome: the continuing case for reference genome sequencing. <i>Genome Medicine</i> , <b>2015</b> , 7, 113	14.4	77
34	Enhanced arbovirus surveillance with deep sequencing: Identification of novel rhabdoviruses and bunyaviruses in Australian mosquitoes. <i>Virology</i> , <b>2014</b> , 448, 146-58	3.6	85
33	Affinity purification-mass spectrometry and network analysis to understand protein-protein interactions. <i>Nature Protocols</i> , <b>2014</b> , 9, 2539-54	18.8	110
32	A cloud-compatible bioinformatics pipeline for ultrarapid pathogen identification from next-generation sequencing of clinical samples. <i>Genome Research</i> , <b>2014</b> , 24, 1180-92	9.7	309
31	ACBD3 interaction with TBC1 domain 22 protein is differentially affected by enteroviral and kobuviral 3A protein binding. <i>MBio</i> , <b>2013</b> , 4, e00098-13	7.8	39
30	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> , <b>2013</b> , 87, 11966-77	6.6	176
29	Discovery of a novel polyomavirus in acute diarrheal samples from children. <i>PLoS ONE</i> , <b>2012</b> , 7, e49449	3.7	101
28	The 3A protein from multiple picornaviruses utilizes the golgi adaptor protein ACBD3 to recruit PI4KIII. <i>Journal of Virology</i> , <b>2012</b> , 86, 3605-16	6.6	123
27	Serological evidence of human klassevirus infection. <i>Vaccine Journal</i> , <b>2010</b> , 17, 1584-8		23
26	A metagenomic analysis of pandemic influenza A (2009 H1N1) infection in patients from North America. <i>PLoS ONE</i> , <b>2010</b> , 5, e13381	3.7	139
25	The complete genome of klassevirus - a novel picornavirus in pediatric stool. <i>Virology Journal</i> , <b>2009</b> , 6, 82	6.1	135
24	Recovery of divergent avian bornaviruses from cases of proventricular dilatation disease: identification of a candidate etiologic agent. <i>Virology Journal</i> , <b>2008</b> , 5, 88	6.1	195
23	Identification of cardiociruses 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> , <b>2008</b> , 105, 14124-9	11.5	137
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18	Copy number heterogeneity, large origin tandem repeats, and interspecies recombination in HHV-6A and HHV-6B reference strains	1
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