

Christopher E. Mason

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

258
papers

19,397
citations

57
h-index

137
g-index

314
ext. papers

26,163
ext. citations

14.7
avg, IF

6.68
L-index

#	Paper	IF	Citations
258	System-wide transcriptome damage and tissue identity loss in COVID-19 patients.. <i>Cell Reports Medicine</i> , 2022 , 3, 100522	18	2
257	Betacoronavirus-specific alternate splicing.. <i>Genomics</i> , 2022 , 114, 110270	4.3	0
256	Curated variation benchmarks for challenging medically relevant autosomal genes.. <i>Nature Biotechnology</i> , 2022 ,	44.5	12
255	A collective statement in support of saving pangolins.. <i>Science of the Total Environment</i> , 2022 , 153666	10.2	0
254	The Isolation and Characterization of Rare Mycobiome Associated With Spacecraft Assembly Cleanrooms.. <i>Frontiers in Microbiology</i> , 2022 , 13, 777133	5.7	0
253	Comparative Genomics of Novel G3 Strains Isolated From the International Space Station and Description of sp. nov.. <i>Frontiers in Microbiology</i> , 2021 , 12, 765943	5.7	3
252	DNA methylation-calling tools for Oxford Nanopore sequencing: a survey and human epigenome-wide evaluation. <i>Genome Biology</i> , 2021 , 22, 295	18.3	2
251	DNA methylation-calling tools for Oxford Nanopore sequencing: a survey and human epigenome-wide evaluation. <i>Genome Biology</i> , 2021 , 22, 295	18.3	6
250	Whole genome and exome sequencing reference datasets from a multi-center and cross-platform benchmark study. <i>Scientific Data</i> , 2021 , 8, 296	8.2	2
249	A metagenomic DNA sequencing assay that is robust against environmental DNA contamination 2021 ,		1
248	PRMT5 Inhibition Modulates E2F1 and P53 to Restore Cell Cycle Regulation and Drive DNA Damage Response in Ibrutinib-Resistant Mantle Cell Lymphoma. <i>Blood</i> , 2021 , 138, 787-787	2.2	
247	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021 , 27, 1885-1892	50.5	19
246	Viral Dynamics of SARS-CoV-2 Variants in Vaccinated and Unvaccinated Persons.. <i>New England Journal of Medicine</i> , 2021 , 385, 2489-2491	59.2	63
245	Landscape and clinical significance of long noncoding RNAs involved in multiple myeloma expressed fusion transcripts.. <i>American Journal of Hematology</i> , 2021 ,	7.1	1
244	Annotating unknown species of urban microorganisms on a global scale unveils novel functional diversity and local environment association. <i>Environmental Research</i> , 2021 , 207, 112183	7.9	0
243	Orchestrating and sharing large multimodal data for transparent and reproducible research. <i>Nature Communications</i> , 2021 , 12, 5797	17.4	0
242	Metagenomic insights into the microbial communities of inert and oligotrophic outdoor pier surfaces of a coastal city. <i>Microbiome</i> , 2021 , 9, 213	16.6	0

241	Post-transcriptional regulation of antiviral gene expression by N6-methyladenosine. <i>Cell Reports</i> , 2021 , 34, 108798	10.6	12
240	sp. nov., Isolated From the International Space Station. <i>Frontiers in Microbiology</i> , 2021 , 12, 639396	5.7	13
239	Shotgun transcriptome, spatial omics, and isothermal profiling of SARS-CoV-2 infection reveals unique host responses, viral diversification, and drug interactions. <i>Nature Communications</i> , 2021 , 12, 1660	17.4	60
238	Origin Sample Prediction and Spatial Modeling of Antimicrobial Resistance in Metagenomic Sequencing Data. <i>Frontiers in Genetics</i> , 2021 , 12, 642991	4.5	2
237	Effectiveness of SARS-CoV-2 Decontamination and Containment in a COVID-19 ICU. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
236	Systemic Tissue and Cellular Disruption from SARS-CoV-2 Infection revealed in COVID-19 Autopsies and Spatial Omics Tissue Maps 2021 ,		3
235	The spatial landscape of lung pathology during COVID-19 progression. <i>Nature</i> , 2021 , 593, 564-569	50.4	72
234	74325 Vast sex-specific differences in transcriptional landscapes of pancreatic neuroendocrine tumors. <i>Journal of Clinical and Translational Science</i> , 2021 , 5, 103-103	0.4	
233	COVID-19 drug practices risk antimicrobial resistance evolution. <i>Lancet Microbe, The</i> , 2021 , 2, e135-e13622.2		17
232	Evaluating the analytical validity of circulating tumor DNA sequencing assays for precision oncology. <i>Nature Biotechnology</i> , 2021 , 39, 1115-1128	44.5	31
231	The Great Deceiver: miR-2392's Hidden Role in Driving SARS-CoV-2 Infection 2021 ,		4
230	Draft Genome Sequences of Various Bacterial Phyla Isolated from the International Space Station. <i>Microbiology Resource Announcements</i> , 2021 , 10,	1.3	2
229	Cross-oncopanel study reveals high sensitivity and accuracy with overall analytical performance depending on genomic regions. <i>Genome Biology</i> , 2021 , 22, 109	18.3	6
228	A verified genomic reference sample for assessing performance of cancer panels detecting small variants of low allele frequency. <i>Genome Biology</i> , 2021 , 22, 111	18.3	8
227	Draft Genome Sequences of and Species Isolated from the International Space Station and Crew Resupply Vehicle Capsule. <i>Microbiology Resource Announcements</i> , 2021 , 10,	1.3	3
226	A comprehensive metagenomics framework to characterize organisms relevant for planetary protection. <i>Microbiome</i> , 2021 , 9, 82	16.6	2
225	Early introductions and transmission of SARS-CoV-2 variant B.1.1.7 in the United States. <i>Cell</i> , 2021 , 184, 2595-2604.e13	56.2	55
224	Pleckstrin-2 is essential for erythropoiesis in β -thalassemic mice, reducing apoptosis and enhancing enucleation. <i>Communications Biology</i> , 2021 , 4, 517	6.7	3

223	Investigation of product-derived lymphoma following infusion of piggyBac-modified CD19 chimeric antigen receptor T cells. <i>Blood</i> , 2021 , 138, 1391-1405	2.2	26
222	Multiplex qPCR discriminates variants of concern to enhance global surveillance of SARS-CoV-2. <i>PLoS Biology</i> , 2021 , 19, e3001236	9.7	85
221	The impact of cross-kingdom molecular forensics on genetic privacy. <i>Microbiome</i> , 2021 , 9, 114	16.6	0
220	RP58 Represses Transcriptional Programs Linked to Nonneuronal Cell Identity and Glioblastoma Subtypes in Developing Neurons. <i>Molecular and Cellular Biology</i> , 2021 , 41, e0052620	4.8	2
219	Diurnal variation in the human skin microbiome affects accuracy of forensic microbiome matching. <i>Microbiome</i> , 2021 , 9, 129	16.6	2
218	Haplotype diversity and sequence heterogeneity of human telomeres. <i>Genome Research</i> , 2021 ,	9.7	4
217	A global metagenomic map of urban microbiomes and antimicrobial resistance. <i>Cell</i> , 2021 , 184, 3376-3393	36.17	42
216	Characterization of Spacesuit Associated Microbial Communities and Their Implications for NASA Missions. <i>Frontiers in Microbiology</i> , 2021 , 12, 608478	5.7	1
215	Sequencing of Circulating Microbial Cell-Free DNA Can Identify Pathogens in Periprosthetic Joint Infections. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021 , 103, 1705-1712	5.6	5
214	Histone H1 loss drives lymphoma by disrupting 3D chromatin architecture. <i>Nature</i> , 2021 , 589, 299-305	50.4	56
213	Single-cell RNA-seq reveals novel mitochondria-related musculoskeletal cell populations during adult axolotl limb regeneration process. <i>Cell Death and Differentiation</i> , 2021 , 28, 1110-1125	12.7	10
212	BCL6 maintains survival and self-renewal of primary human acute myeloid leukemia cells. <i>Blood</i> , 2021 , 137, 812-825	2.2	3
211	Transcriptional response modules characterize IL-1 β and IL-6 activity in COVID-19. <i>iScience</i> , 2021 , 24, 101896	6.1	14
210	Characterization of complete lncRNAs transcriptome reveals the functional and clinical impact of lncRNAs in multiple myeloma. <i>Leukemia</i> , 2021 , 35, 1438-1450	10.7	8
209	A diagnostic host response biosignature for COVID-19 from RNA profiling of nasal swabs and blood. <i>Science Advances</i> , 2021 , 7,	14.3	22
208	SARS-CoV-2 genomic diversity and the implications for qRT-PCR diagnostics and transmission. <i>Genome Research</i> , 2021 , 31, 635-644	9.7	20
207	Telomere length dynamics in response to DNA damage in malaria parasites. <i>iScience</i> , 2021 , 24, 102082	6.1	1
206	Early introductions and community transmission of SARS-CoV-2 variant B.1.1.7 in the United States 2021 ,		9

205	Efficacy of Daily Intake of Dried Cranberry 500 mg in Women with Overactive Bladder: A Randomized, Double-Blind, Placebo Controlled Study. <i>Journal of Urology</i> , 2021 , 205, 507-513	2.5	2
204	Role of miR-2392 in driving SARS-CoV-2 infection. <i>Cell Reports</i> , 2021 , 37, 109839	10.6	7
203	Toward best practice in cancer mutation detection with whole-genome and whole-exome sequencing. <i>Nature Biotechnology</i> , 2021 , 39, 1141-1150	44.5	11
202	Draft Genome Sequences of Heat Shock-Tolerant Microbes Isolated from a Spacecraft Assembly Facility. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0065321	1.3	
201	Cohesin Core Complex Gene Dosage Contributes to Germinal Center Derived Lymphoma Phenotypes and Outcomes. <i>Frontiers in Immunology</i> , 2021 , 12, 688493	8.4	2
200	Targeted Hybridization Capture of SARS-CoV-2 and Metagenomics Enables Genetic Variant Discovery and Nasal Microbiome Insights. <i>Microbiology Spectrum</i> , 2021 , 9, e0019721	8.9	2
199	Establishing community reference samples, data and call sets for benchmarking cancer mutation detection using whole-genome sequencing. <i>Nature Biotechnology</i> , 2021 , 39, 1151-1160	44.5	5
198	Performance assessment of DNA sequencing platforms in the ABRF Next-Generation Sequencing Study. <i>Nature Biotechnology</i> , 2021 , 39, 1129-1140	44.5	10
197	Draft Genome Sequences of Fungi Isolated from the International Space Station during the Microbial Tracking-2 Experiment. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0075121	1.3	1
196	DNA methylation landscapes of 1538 breast cancers reveal a replication-linked clock, epigenomic instability and cis-regulation. <i>Nature Communications</i> , 2021 , 12, 5406	17.4	6
195	Genomic Changes Driven by Radiation-Induced DNA Damage and Microgravity in Human Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
194	Epigenetic Forensics for Suspect Identification and Age Prediction. <i>Forensic Genomics</i> , 2021 , 1, 83-86		0
193	Lessons learned from SARS-CoV-2 measurements in wastewater. <i>Science of the Total Environment</i> , 2021 , 798, 149177	10.2	5
192	Chemotherapy Induces Senescence-Like Resilient Cells Capable of Initiating AML Recurrence. <i>Cancer Discovery</i> , 2021 , 11, 1542-1561	24.4	30
191	Smc3 dosage regulates B cell transit through germinal centers and restricts their malignant transformation. <i>Nature Immunology</i> , 2021 , 22, 240-253	19.1	12
190	A Rapid, Isothermal, and Point-of-Care System for COVID-19 Diagnostics.. <i>Journal of Biomolecular Techniques</i> , 2021 , 32, 221-227	1.1	0
189	Loop-Mediated Isothermal Amplification Detection of SARS-CoV-2 and Myriad Other Applications.. <i>Journal of Biomolecular Techniques</i> , 2021 , 32, 228-275	1.1	2
188	Systems biology analysis of human genomes points to key pathways conferring spina bifida risk.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3

187	The SEQC2 epigenomics quality control (EpiQC) study. <i>Genome Biology</i> , 2021 , 22, 332	18.3	2
186	Temporal Telomere and DNA Damage Responses in the Space Radiation Environment. <i>Cell Reports</i> , 2020 , 33, 108435	10.6	17
185	A New Era for Space Life Science: International Standards for Space Omics Processing. <i>Patterns</i> , 2020 , 1, 100148	5.1	16
184	4565 Sex-Specific Differences in the Genomic Landscape of Pediatric and Adult Glioblastoma. <i>Journal of Clinical and Translational Science</i> , 2020 , 4, 112-113	0.4	
183	Draft Genome Sequences of Isolated from the International Space Station. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	1
182	Why Personalized Medicine Is the Frontier of Medicine and Performance for Humans in Space. <i>New Space</i> , 2020 , 8, 63-76	0.6	4
181	Illuminating Genetic Mysteries of the Dead Sea Scrolls. <i>Cell</i> , 2020 , 181, 1218-1231.e27	56.2	5
180	Mutant EZH2 Induces a Pre-malignant Lymphoma Niche by Reprogramming the Immune Response. <i>Cancer Cell</i> , 2020 , 37, 655-673.e11	24.3	47
179	Resource: A multi-species multi-timepoint transcriptome database and webpage for the pineal gland and retina. <i>Journal of Pineal Research</i> , 2020 , 69, e12673	10.4	7
178	A robust benchmark for detection of germline large deletions and insertions. <i>Nature Biotechnology</i> , 2020 , 38, 1347-1355	44.5	98
177	Identification of Radioresponsive Genes in Esophageal Cancer from Longitudinal and Single Cell Exome Sequencing. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 108, 1103-1114	4	4
176	A synthesis of bacterial and archaeal phenotypic trait data. <i>Scientific Data</i> , 2020 , 7, 170	8.2	20
175	Draft Genome Sequences of Species Associated with the International Space Station. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	3
174	Cartography of opportunistic pathogens and antibiotic resistance genes in a tertiary hospital environment. <i>Nature Medicine</i> , 2020 , 26, 941-951	50.5	50
173	The case for biotech on Mars. <i>Nature Biotechnology</i> , 2020 , 38, 401-407	44.5	21
172	Long-term spaceflight and the cardiovascular system. <i>Precision Clinical Medicine</i> , 2020 , 3, 284-291	6.7	16
171	Draft Genome Sequences of Strains Isolated from the International Space Station. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	1
170	Co-occurrence patterns of bacteria within microbiome of Moscow subway. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 314-322	6.8	8

169	Single-cell sperm transcriptomes and variants from fathers of children with and without autism spectrum disorder. <i>Npj Genomic Medicine</i> , 2020 , 5, 14	6.2	6
168	The Microbiomes of Seven Lichen Genera Reveal Host Specificity, a Reduced Core Community and Potential as Source of Antimicrobials. <i>Frontiers in Microbiology</i> , 2020 , 11, 398	5.7	17
167	Loss of CHD1 Promotes Heterogeneous Mechanisms of Resistance to AR-Targeted Therapy via Chromatin Dysregulation. <i>Cancer Cell</i> , 2020 , 37, 584-598.e11	24.3	42
166	Transcriptional response modules characterise IL-1 β and IL-6 activity in COVID-19 2020 ,		1
165	Draft Genome Sequences of Strains Isolated from the International Space Station. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	2
164	A Review of the Scientific Rigor, Reproducibility, and Transparency Studies Conducted by the ABRF Research Groups. <i>Journal of Biomolecular Techniques</i> , 2020 , 31, 11-26	1.1	4
163	Shotgun Transcriptome and Isothermal Profiling of SARS-CoV-2 Infection Reveals Unique Host Responses, Viral Diversification, and Drug Interactions 2020 ,		51
162	Identification of Immune complement function as a determinant of adverse SARS-CoV-2 infection outcome 2020 ,		3
161	Hidden genomic diversity of SARS-CoV-2: implications for qRT-PCR diagnostics and transmission 2020 ,		13
160	The therapeutic landscape for cells engineered with chimeric antigen receptors. <i>Nature Biotechnology</i> , 2020 , 38, 233-244	44.5	75
159	Altered mA Modification of Specific Cellular Transcripts Affects Flaviviridae Infection. <i>Molecular Cell</i> , 2020 , 77, 542-555.e8	17.6	66
158	Missing diversity in brain tumor trials. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa059	0.9	4
157	Evolution of the Epigenetic Landscape in Childhood B Acute Lymphoblastic Leukemia and Its Role in Drug Resistance. <i>Cancer Research</i> , 2020 , 80, 5189-5202	10.1	4
156	The NASA Twins Study: The Effect of One Year in Space on Long-Chain Fatty Acid Desaturases and Elongases. <i>Lifestyle Genomics</i> , 2020 , 13, 107-121	2	6
155	Fundamental Biological Features of Spaceflight: Advancing the Field to Enable Deep-Space Exploration. <i>Cell</i> , 2020 , 183, 1162-1184	56.2	50
154	Comprehensive Multi-omics Analysis Reveals Mitochondrial Stress as a Central Biological Hub for Spaceflight Impact. <i>Cell</i> , 2020 , 183, 1185-1201.e20	56.2	58
153	Advancing the Integration of Biosciences Data Sharing to Further Enable Space Exploration. <i>Cell Reports</i> , 2020 , 33, 108441	10.6	4
152	Clonal Hematopoiesis Before, During, and After Human Spaceflight. <i>Cell Reports</i> , 2020 , 33, 108458	10.6	6

151	Direct RNA sequencing reveals mA modifications on adenovirus RNA are necessary for efficient splicing. <i>Nature Communications</i> , 2020 , 11, 6016	17.4	51
150	Circulating miRNA Spaceflight Signature Reveals Targets for Countermeasure Development. <i>Cell Reports</i> , 2020 , 33, 108448	10.6	13
149	Multi-omic, Single-Cell, and Biochemical Profiles of Astronauts Guide Pharmacological Strategies for Returning to Gravity. <i>Cell Reports</i> , 2020 , 33, 108429	10.6	14
148	Telomere Length Dynamics and DNA Damage Responses Associated with Long-Duration Spaceflight. <i>Cell Reports</i> , 2020 , 33, 108457	10.6	14
147	Cell-free DNA (cfDNA) and Exosome Profiling from a Year-Long Human Spaceflight Reveals Circulating Biomarkers. <i>IScience</i> , 2020 , 23, 101844	6.1	13
146	Improved gastrointestinal health for irritable bowel syndrome with metagenome-guided interventions. <i>Precision Clinical Medicine</i> , 2020 , 3, 136-146	6.7	6
145	Immune complement and coagulation dysfunction in adverse outcomes of SARS-CoV-2 infection. <i>Nature Medicine</i> , 2020 , 26, 1609-1615	50.5	142
144	Draft Genome Sequences of Species Isolated from the International Space Station. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	2
143	End-to-End Protocol for the Detection of SARS-CoV-2 from Built Environments. <i>MSystems</i> , 2020 , 5,	7.6	11
142	Draft Genome Sequences of Strains Isolated from the International Space Station. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	2
141	Draft Genome Sequences of <i>Rhodotorula mucilaginosa</i> Strains Isolated from the International Space Station. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	3
140	Obesity and ethnicity alter gene expression in skin. <i>Scientific Reports</i> , 2020 , 10, 14079	4.9	1
139	Somatic Mutations Drive Specific, but Reversible, Epigenetic Heterogeneity States in AML. <i>Cancer Discovery</i> , 2020 , 10, 1934-1949	24.4	8
138	The COVID-19 XPRIZE and the need for scalable, fast, and widespread testing. <i>Nature Biotechnology</i> , 2020 , 38, 1021-1024	44.5	45
137	A comprehensive, multidisciplinary, precision medicine approach to discover effective therapy for an undiagnosed, progressive, fibroinflammatory disease. <i>Translational Research</i> , 2020 , 215, 31-40	11	
136	Limits in the detection of mA changes using MeRIP/mA-seq. <i>Scientific Reports</i> , 2020 , 10, 6590	4.9	71
135	Forensic Applications of Microbiomics: A Review. <i>Frontiers in Microbiology</i> , 2020 , 11, 608101	5.7	11
134	Accurate detection of mA RNA modifications in native RNA sequences. <i>Nature Communications</i> , 2019 , 10, 4079	17.4	166

133	Pre- and peri-implantation Zika virus infection impairs fetal development by targeting trophectoderm cells. <i>Nature Communications</i> , 2019 , 10, 4155	17.4	19
132	QuaPra: Efficient transcript assembly and quantification using quadratic programming with Apriori algorithm. <i>Science China Life Sciences</i> , 2019 , 62, 937-946	8.5	6
131	Rapid antigen diversification through mitotic recombination in the human malaria parasite <i>Plasmodium falciparum</i> . <i>PLoS Biology</i> , 2019 , 17, e3000271	9.7	23
130	Ratio-Based Method To Identify True Biomarkers by Normalizing Circulating ncRNA Sequencing and Quantitative PCR Data. <i>Analytical Chemistry</i> , 2019 , 91, 6746-6753	7.8	10
129	Consent insufficient for data release-Response. <i>Science</i> , 2019 , 364, 446	33.3	4
128	The Impact of Heterogeneity on Single-Cell Sequencing. <i>Frontiers in Genetics</i> , 2019 , 10, 8	4.5	43
127	Urban metagenomics uncover antibiotic resistance reservoirs in coastal beach and sewage waters. <i>Microbiome</i> , 2019 , 7, 35	16.6	57
126	Best practices for benchmarking germline small-variant calls in human genomes. <i>Nature Biotechnology</i> , 2019 , 37, 555-560	44.5	125
125	Epigenetic Modifications in Acute Myeloid Leukemia: Prognosis, Treatment, and Heterogeneity. <i>Frontiers in Genetics</i> , 2019 , 10, 133	4.5	38
124	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019 , 364,	33.3	300
123	Single-molecule sequencing detection of N6-methyladenine in microbial reference materials. <i>Nature Communications</i> , 2019 , 10, 579	17.4	77
122	Long non-coding RNAs discriminate the stages and gene regulatory states of human humoral immune response. <i>Nature Communications</i> , 2019 , 10, 821	17.4	49
121	Translating current biomedical therapies for long duration, deep space missions. <i>Precision Clinical Medicine</i> , 2019 , 2, 259-269	6.7	12
120	Minerva: an alignment- and reference-free approach to deconvolve Linked-Reads for metagenomics. <i>Genome Research</i> , 2019 , 29, 116-124	9.7	11
119	Sooty mangabey genome sequence provides insight into AIDS resistance in a natural SIV host. <i>Nature</i> , 2018 , 553, 77-81	50.4	57
118	-methyladenosine modification of hepatitis B virus RNA differentially regulates the viral life cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8829-8834	11.5	91
117	The Microbe Directory: An annotated, searchable inventory of microbes' characteristics. <i>Gates Open Research</i> , 2018 , 2, 3	2.4	9
116	1154. Comparison of Five Testing Modalities for the Assessment of Patient Environment Cleanliness. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S347-S347	1	78

115	Multi-drug resistant <i>Enterobacter bugandensis</i> species isolated from the International Space Station and comparative genomic analyses with human pathogenic strains. <i>BMC Microbiology</i> , 2018 , 18, 175	4.5	49
114	mutant mice uncover an essential meiotic function for the ancient RNA helicase YTHDC2. <i>ELife</i> , 2018 , 7,	8.9	93
113	Combination Targeted Therapy to Disrupt Aberrant Oncogenic Signaling and Reverse Epigenetic Dysfunction in - and -Mutant Acute Myeloid Leukemia. <i>Cancer Discovery</i> , 2017 , 7, 494-505	24.4	68
112	PGBD5 promotes site-specific oncogenic mutations in human tumors. <i>Nature Genetics</i> , 2017 , 49, 1005-1014	36.3	40
111	Charting the unknown epitranscriptome. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 339-340	48.7	30
110	Jak1 Integrates Cytokine Sensing to Regulate Hematopoietic Stem Cell Function and Stress Hematopoiesis. <i>Cell Stem Cell</i> , 2017 , 21, 489-501.e7	18	35
109	Communicating the promise, risks, and ethics of large-scale, open space microbiome and metagenome research. <i>Microbiome</i> , 2017 , 5, 132	16.6	18
108	rahu is a mutant allele of Dnmt3c, encoding a DNA methyltransferase homolog required for meiosis and transposon repression in the mouse male germline. <i>PLoS Genetics</i> , 2017 , 13, e1006964	6	40
107	Comprehensive benchmarking and ensemble approaches for metagenomic classifiers. <i>Genome Biology</i> , 2017 , 18, 182	18.3	152
106	Metagenomic characterization of ambulances across the USA. <i>Microbiome</i> , 2017 , 5, 125	16.6	17
105	Focus on Metagenomics. <i>Journal of Biomolecular Techniques</i> , 2017 , 28, 1	1.1	3
104	Assessment of REPLI-g Multiple Displacement Whole Genome Amplification (WGA) Techniques for Metagenomic Applications. <i>Journal of Biomolecular Techniques</i> , 2017 , 28, 46-55	1.1	11
103	Genomic Methods and Microbiological Technologies for Profiling Novel and Extreme Environments for the Extreme Microbiome Project (XMP). <i>Journal of Biomolecular Techniques</i> , 2017 , 28, 31-39	1.1	31
102	The N-methyladenosine (m ^A)-forming enzyme METTL3 controls myeloid differentiation of normal hematopoietic and leukemia cells. <i>Nature Medicine</i> , 2017 , 23, 1369-1376	50.5	584
101	Genetic and epigenetic heterogeneity and the impact on cancer relapse. <i>Experimental Hematology</i> , 2017 , 54, 26-30	3.1	22
100	Large-scale differences in microbial biodiversity discovery between 16S amplicon and shotgun sequencing. <i>Scientific Reports</i> , 2017 , 7, 6589	4.9	110
99	Chromosome End Repair and Genome Stability in. <i>MBio</i> , 2017 , 8,	7.8	18
98	The international MAQC Society launches to enhance reproducibility of high-throughput technologies. <i>Nature Biotechnology</i> , 2017 , 35, 1127-1128	44.5	23

97	Genomic approaches to the assessment of human spina bifida risk. <i>Birth Defects Research</i> , 2017 , 109, 120-128	2.9	14
96	Nanopore DNA Sequencing and Genome Assembly on the International Space Station. <i>Scientific Reports</i> , 2017 , 7, 18022	4.9	162
95	International Standards for Genomes, Transcriptomes, and Metagenomes. <i>Journal of Biomolecular Techniques</i> , 2017 , 28, 8-18	1.1	21
94	Precision Metagenomics: Rapid Metagenomic Analyses for Infectious Disease Diagnostics and Public Health Surveillance. <i>Journal of Biomolecular Techniques</i> , 2017 , 28, 40-45	1.1	28
93	m6a Regulates Differentiation State and mRNA Translation in Myeloid Leukemia. <i>Blood</i> , 2017 , 130, 791-791		
92	The mitogenome of the bed bug (Hemiptera: Cimicidae). <i>Mitochondrial DNA Part B: Resources</i> , 2016 , 1, 425-427	0.5	5
91	Dynamics of the human and viral m(6)A RNA methylomes during HIV-1 infection of T cells. <i>Nature Microbiology</i> , 2016 , 1, 16011	26.6	262
90	The complete mitochondrial genome of the neotropical helicopter damselfly (Odonata: Zygoptera) assembled from next generation sequencing data. <i>Mitochondrial DNA Part B: Resources</i> , 2016 , 1, 497-499	0.5	15
89	Nanopore sequencing in microgravity. <i>Npj Microgravity</i> , 2016 , 2, 16035	5.3	50
88	DNMT3A mutations promote anthracycline resistance in acute myeloid leukemia via impaired nucleosome remodeling. <i>Nature Medicine</i> , 2016 , 22, 1488-1495	50.5	140
87	Roles for small noncoding RNAs in silencing of retrotransposons in the mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 12697-12702	11.5	52
86	Extensive sequencing of seven human genomes to characterize benchmark reference materials. <i>Scientific Data</i> , 2016 , 3, 160025	8.2	345
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16	Nanopore detection of bacterial DNA base modifications		10
15	The Microbe Directory v2.0: An Expanded Database of Ecological and Phenotypical Features of Microbes		3
14	Haplotype Diversity and Sequence Heterogeneity of Human Telomeres		1
13	Multi-Platform Assessment of DNA Sequencing Performance using Human and Bacterial Reference Genomes in the ABRF Next-Generation Sequencing Study		1
12	Elevation of Gut-Derived p-Cresol During Spaceflight and its Effect on Drug Metabolism and Performance in Astronauts		1
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