

Frederic Bushman

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.

387
papers

75,253
citations

107
h-index

272
g-index

414
ext. papers

91,451
ext. citations

13.6
avg, IF

7.54
L-index

#	Paper	IF	Citations
387	Cytomegalovirus latent infection is associated with an increased risk of COVID-19-related hospitalization.. <i>Journal of Infectious Diseases</i> , 2022 ,	7	8
386	Collaboration between clinical and academic laboratories for sequencing SARS-CoV-2 genomes.. <i>Journal of Clinical Microbiology</i> , 2022 , JCM0128821	9.7	0
385	Long-term safety and efficacy of lentiviral hematopoietic stem/progenitor cell gene therapy for Wiskott-Aldrich syndrome.. <i>Nature Medicine</i> , 2022 ,	50.5	5
384	Decade-long leukaemia remissions with persistence of CD4 CAR T cells.. <i>Nature</i> , 2022 ,	50.4	30
383	SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021.. <i>MBio</i> , 2022 , e0378821	7.8	3
382	Genetic and phenotypic characteristics of <i>Clostridium</i> (<i>Clostridioides</i>) <i>difficile</i> from canine, bovine, and pediatric populations.. <i>Anaerobe</i> , 2022 , 102539	2.8	2
381	SARS-CoV-2 Delta Variant (AY.3) in the Feces of a Domestic Cat.. <i>Viruses</i> , 2022 , 14,	6.2	2
380	Rapid manufacturing of non-activated potent CAR T cells.. <i>Nature Biomedical Engineering</i> , 2022 ,	19	7
379	The pediatric virome in health and disease.. <i>Cell Host and Microbe</i> , 2022 , 30, 639-649	23.4	2
378	Partial ORF1ab Gene Target Failure with Omicron BA.2.12.1.. <i>Journal of Clinical Microbiology</i> , 2022 , e0066922	0	0
377	Molecular Beacons Allow Specific RT-LAMP Detection of B.1.1.7 Variant SARS-CoV-2.. <i>Journal of Biomolecular Techniques</i> , 2021 , 32, 98-101	1.1	4
376	The gut virome in inflammatory bowel diseases. <i>Current Opinion in Virology</i> , 2021 , 51, 190-198	7.5	1
375	Over-celling fetal microbial exposure. <i>Cell</i> , 2021 , 184, 5839-5841	56.2	5
374	Decade-Long Remissions of Leukemia Sustained By the Persistence of Activated CD4+ CAR T-Cells. <i>Blood</i> , 2021 , 138, 166-166	2.2	0
373	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021 , 27, 1885-1892	50.5	19
372	SARS-CoV-2 variants associated with vaccine breakthrough in the Delaware Valley through summer 2021 2021 ,		1
371	Challenges in estimating numbers of vectors integrated in gene-modified cells using DNA sequence information. <i>Molecular Therapy</i> , 2021 , 29, 3328-3331	11.7	1

370	The human virome: assembly, composition and host interactions. <i>Nature Reviews Microbiology</i> , 2021 , 19, 514-527	22.2	64
369	Decreased Intestinal Microbiome Diversity in Pediatric Sepsis: A Conceptual Framework for Intestinal Dysbiosis to Influence Immunometabolic Function 2021 , 3, e0360		1
368	Role of dietary fiber in the recovery of the human gut microbiome and its metabolome. <i>Cell Host and Microbe</i> , 2021 , 29, 394-407.e5	23.4	32
367	Comparative Analysis of Emerging B.1.1.7+E484K SARS-CoV-2 isolates from Pennsylvania 2021 ,		5
366	Signatures of COVID-19 severity and immune response in the respiratory tract microbiome 2021 ,		3
365	Lentiviral vector ALS20 yields high hemoglobin levels with low genomic integrations for treatment of beta-globinopathies. <i>Molecular Therapy</i> , 2021 , 29, 1625-1638	11.7	1
364	Long-term outcomes after gene therapy for adenosine deaminase severe combined immune deficiency. <i>Blood</i> , 2021 , 138, 1304-1316	2.2	8
363	Retrieval of vector integration sites from cell-free DNA. <i>Nature Medicine</i> , 2021 , 27, 1458-1470	50.5	5
362	Detection of SARS-CoV-2 RNA using RT-LAMP and molecular beacons. <i>Genome Biology</i> , 2021 , 22, 169	18.3	26
361	Assembly of the virome in newborn human infants. <i>Current Opinion in Virology</i> , 2021 , 48, 17-22	7.5	5
360	Comparative Analysis of Emerging B.1.1.7+E484K SARS-CoV-2 Isolates. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab300	1	8
359	A long-term study of AAV gene therapy in dogs with hemophilia A identifies clonal expansions of transduced liver cells. <i>Nature Biotechnology</i> , 2021 , 39, 47-55	44.5	84
358	An integrated self-powered 3D printed sample concentrator for highly sensitive molecular detection of HIV in whole blood at the point of care. <i>Analyst, The</i> , 2021 , 146, 3234-3241	5	1
357	ICTV Virus Taxonomy Profile:. <i>Journal of General Virology</i> , 2021 , 102,	4.9	3
356	SARS-CoV-2 Genomic Variation in Space and Time in Hospitalized Patients in Philadelphia. <i>MBio</i> , 2021 , 12,	7.8	13
355	NPM-ALK-Induced Reprogramming of Mature TCR-Stimulated T Cells Results in Dedifferentiation and Malignant Transformation. <i>Cancer Research</i> , 2021 , 81, 3241-3254	10.1	2
354	Antigen-driven clonal selection shapes the persistence of HIV-1-infected CD4+ T cells in vivo. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	29
353	Allosteric HIV Integrase Inhibitors Promote Formation of Inactive Branched Polymers via Homomeric Carboxy-Terminal Domain Interactions. <i>Structure</i> , 2021 , 29, 213-225.e5	5.2	5

352	Femtomolar SARS-CoV-2 Antigen Detection Using the Microbubbling Digital Assay with Smartphone Readout Enables Antigen Burden Quantitation and Dynamics Tracking 2021 ,		3
351	Signatures of COVID-19 Severity and Immune Response in the Respiratory Tract Microbiome. <i>MBio</i> , 2021 , 12, e0177721	7.8	21
350	Femtomolar SARS-CoV-2 Antigen Detection Using the Microbubbling Digital Assay with Smartphone Readout Enables Antigen Burden Quantitation and Tracking. <i>Clinical Chemistry</i> , 2021 ,	5.5	3
349	Gut Microbiome Changes Associated with Epithelial Barrier Damage and Systemic Inflammation during Antiretroviral Therapy of Chronic SIV Infection. <i>Viruses</i> , 2021 , 13,	6.2	2
348	Redondovirus Diversity and Evolution on Global, Individual, and Molecular Scales. <i>Journal of Virology</i> , 2021 , 95, e0081721	6.6	2
347	Mitochondrial dysfunction in inflammatory bowel disease alters intestinal epithelial metabolism of hepatic acylcarnitines. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	11
346	Single-cell transcriptional landscapes reveal HIV-1-driven aberrant host gene transcription as a potential therapeutic target. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	32
345	Dynamics of the Stool Virome in Very Early-Onset Inflammatory Bowel Disease. <i>Journal of Crohns and Colitis</i> , 2020 , 14, 1600-1610	1.5	20
344	grabseqs: simple downloading of reads and metadata from multiple next-generation sequencing data repositories. <i>Bioinformatics</i> , 2020 , 36, 3607-3609	7.2	4
343	Sialylation and fucosylation modulate inflammasome-activating eIF2 Signaling and microbial translocation during HIV infection. <i>Mucosal Immunology</i> , 2020 , 13, 753-766	9.2	11
342	CRISPR-engineered T cells in patients with refractory cancer. <i>Science</i> , 2020 , 367,	33.3	44 ⁸
341	Lentiviral gene therapy for X-linked chronic granulomatous disease. <i>Nature Medicine</i> , 2020 , 26, 200-206	50.5	82
340	Bacterial colonization reprograms the neonatal gut metabolome. <i>Nature Microbiology</i> , 2020 , 5, 838-847	26.6	37
339	Assessment of HIV-1 integration in tissues and subsets across infection stages. <i>JCI Insight</i> , 2020 , 5,	9.9	3
338	Gut microbiota modulate dendritic cell antigen presentation and radiotherapy-induced antitumor immune response. <i>Journal of Clinical Investigation</i> , 2020 , 130, 466-479	15.9	74
337	CD19-targeting CAR T cell immunotherapy outcomes correlate with genomic modification by vector integration. <i>Journal of Clinical Investigation</i> , 2020 , 130, 673-685	15.9	45
336	Lifestyle and the presence of helminths is associated with gut microbiome composition in Cameroonians. <i>Genome Biology</i> , 2020 , 21, 122	18.3	21
335	Investigating hospital Mycobacterium chelonae infection using whole genome sequencing and hybrid assembly. <i>PLoS ONE</i> , 2020 , 15, e0236533	3.7	2

334	A Summary of the Fourth Annual Virology Education HIV Microbiome Workshop. <i>AIDS Research and Human Retroviruses</i> , 2020 , 36, 349-356	1.6	2
333	Retroviral Insertional Mutagenesis in Humans: Evidence for Four Genetic Mechanisms Promoting Expansion of Cell Clones. <i>Molecular Therapy</i> , 2020 , 28, 352-356	11.7	29
332	Improving natural product research translation: From source to clinical trial. <i>FASEB Journal</i> , 2020 , 34, 41-65	0.9	23
331	Influence of the amino-terminal sequence on the structure and function of HIV integrase. <i>Retrovirology</i> , 2020 , 17, 28	3.6	3
330	Multi-omic Analysis of the Interaction between Clostridioides difficile Infection and Pediatric Inflammatory Bowel Disease. <i>Cell Host and Microbe</i> , 2020 , 28, 422-433.e7	23.4	20
329	Recommendations for measuring HIV reservoir size in cure-directed clinical trials. <i>Nature Medicine</i> , 2020 , 26, 1339-1350	50.5	43
328	A Summary of the Fifth Annual Virology Education HIV Microbiome Workshop. <i>AIDS Research and Human Retroviruses</i> , 2020 , 36, 886-895	1.6	0
327	The stepwise assembly of the neonatal virome is modulated by breastfeeding. <i>Nature</i> , 2020 , 581, 470-474	15.4	80
326	Clonal tracking in gene therapy patients reveals a diversity of human hematopoietic differentiation programs. <i>Blood</i> , 2020 , 135, 1219-1231	2.2	22
325	Investigating hospital Mycobacterium chelonae infection using whole genome sequencing and hybrid assembly 2020 , 15, e0236533		
324	Investigating hospital Mycobacterium chelonae infection using whole genome sequencing and hybrid assembly 2020 , 15, e0236533		
323	Investigating hospital Mycobacterium chelonae infection using whole genome sequencing and hybrid assembly 2020 , 15, e0236533		
322	Investigating hospital Mycobacterium chelonae infection using whole genome sequencing and hybrid assembly 2020 , 15, e0236533		
321	Whole-Genome Sequencing To Identify Drivers of Carbapenem-Resistant Klebsiella pneumoniae Transmission within and between Regional Long-Term Acute-Care Hospitals. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	13
320	A quantitative approach for measuring the reservoir of latent HIV-1 proviruses. <i>Nature</i> , 2019 , 566, 120-125	35.4	227
319	iGUIDE: an improved pipeline for analyzing CRISPR cleavage specificity. <i>Genome Biology</i> , 2019 , 20, 14	18.3	20
318	Population structure of human gut bacteria in a diverse cohort from rural Tanzania and Botswana. <i>Genome Biology</i> , 2019 , 20, 16	18.3	51
317	Redondoviridae, a Family of Small, Circular DNA Viruses of the Human Oro-Respiratory Tract Associated with Periodontitis and Critical Illness. <i>Cell Host and Microbe</i> , 2019 , 25, 719-729.e4	23.4	36

316	Sunbeam: an extensible pipeline for analyzing metagenomic sequencing experiments. <i>Microbiome</i> , 2019 , 7, 46	16.6	65
315	Gene therapy targeting haematopoietic stem cells for inherited diseases: progress and challenges. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 447-462	64.1	80
314	Virus structures constrain transmission modes. <i>Nature Microbiology</i> , 2019 , 4, 1778-1780	26.6	13
313	Upper Respiratory Dysbiosis with a Facultative-dominated Ecotype in Advanced Lung Disease and Dynamic Change after Lung Transplant. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 1383-1391	4.7	10
312	Molecular analysis of the endobronchial stent microbial biofilm reveals bacterial communities that associate with stent material and frequent fungal constituents. <i>PLoS ONE</i> , 2019 , 14, e0217306	3.7	9
311	First-in-Human Assessment of Feasibility and Safety of Multiplexed Genetic Engineering of Autologous T Cells Expressing NY-ESO -1 TCR and CRISPR/Cas9 Gene Edited to Eliminate Endogenous TCR and PD-1 (NYCE T cells) in Advanced Multiple Myeloma (MM) and Sarcoma. <i>Blood</i> , 2019 , 134, 18-18	2.2	7
310	Long-Term AAV-Mediated Factor VIII Expression in Nine Hemophilia A Dogs: A 10 Year Follow-up Analysis on Durability, Safety and Vector Integration. <i>Blood</i> , 2019 , 134, 611-611	2.2	17
309	Detecting contamination in viromes using ViromeQC. <i>Nature Biotechnology</i> , 2019 , 37, 1408-1412	44.5	34
308	Bidirectional transfer of Anelloviridae lineages between graft and host during lung transplantation. <i>American Journal of Transplantation</i> , 2019 , 19, 1086-1097	8.7	19
307	Molecular analysis of bacterial contamination on stethoscopes in an intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2019 , 40, 171-177	2	15
306	A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. <i>Mucosal Immunology</i> , 2019 , 12, 457-467	9.2	31
305	Enterotypes in the landscape of gut microbial community composition. <i>Nature Microbiology</i> , 2018 , 3, 8-16	26.6	387
304	Allometry and Ecology of the Bilaterian Gut Microbiome. <i>MBio</i> , 2018 , 9,	7.8	20
303	Fully 3D printed integrated reactor array for point-of-care molecular diagnostics. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 156-163	11.8	49
302	Destabilization of the gut microbiome marks the end-stage of simian immunodeficiency virus infection in wild chimpanzees. <i>American Journal of Primatology</i> , 2018 , 80, e22515	2.5	19
301	Toxin-positive latently infect mouse colonies and protect against highly pathogenic. <i>Gut</i> , 2018 , 67, 860-871	3.2	17
300	Microbial Lineages in Sarcoidosis. A Metagenomic Analysis Tailored for Low-Microbial Content Samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 225-234	10.2	39
299	Sera from Individuals with Narrowly Focused Influenza Virus Antibodies Rapidly Select Viral Escape Mutations. <i>Journal of Virology</i> , 2018 , 92,	6.6	15

298	Gut microbiota modulates adoptive cell therapy via CD8 ⁺ dendritic cells and IL-12. <i>JCI Insight</i> , 2018 , 3,	9.9	70
297	Long-Term Remission of CLL Sustained By Pauciclonal Anti-CD19 Chimeric Antigen Receptor T (CTL019) Cell Clones. <i>Blood</i> , 2018 , 132, 699-699	2.2	3
296	Gene Therapy for Sickle Cell Anemia Using a Modified Gamma Globin Lentivirus Vector and Reduced Intensity Conditioning Transplant Shows Promising Correction of the Disease Phenotype. <i>Blood</i> , 2018 , 132, 1021-1021	2.2	19
295	Evaluation of a therapy for Idiopathic Chronic Enterocolitis in rhesus macaques () and linked microbial community correlates. <i>PeerJ</i> , 2018 , 6, e4612	3.1	4
294	Vector Integration and Efficacy of CD19-Directed CAR T Cell Therapy in Acute Lymphoblastic Leukemia (ALL) and Chronic Lymphocytic Leukemia (CLL). <i>Blood</i> , 2018 , 132, 4548-4548	2.2	
293	Long-term remission despite clonal expansion of replication-competent HIV-1 isolates. <i>JCI Insight</i> , 2018 , 3,	9.9	25
292	HIV-1 latent reservoir size and diversity are stable following brief treatment interruption. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3102-3115	15.9	56
291	Nondestructive, base-resolution sequencing of 5-hydroxymethylcytosine using a DNA deaminase. <i>Nature Biotechnology</i> , 2018 ,	44.5	91
290	Induction of resistance to chimeric antigen receptor T cell therapy by transduction of a single leukemic B cell. <i>Nature Medicine</i> , 2018 , 24, 1499-1503	50.5	286
289	T cell dynamics and response of the microbiota after gene therapy to treat X-linked severe combined immunodeficiency. <i>Genome Medicine</i> , 2018 , 10, 70	14.4	19
288	Lack of detection of a human placenta microbiome in samples from preterm and term deliveries. <i>Microbiome</i> , 2018 , 6, 196	16.6	142
287	Disruption of TET2 promotes the therapeutic efficacy of CD19-targeted T cells. <i>Nature</i> , 2018 , 558, 307-313	32.4	362
286	A Model-Based Approach For Species Abundance Quantification Based On Shotgun Metagenomic Data. <i>Statistics in Biosciences</i> , 2017 , 9, 13-27	1.5	7
285	INSPIRED: A Pipeline for Quantitative Analysis of Sites of New DNA Integration in Cellular Genomes. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017 , 4, 39-49	6.4	42
284	INSPIRED: Quantification and Visualization Tools for Analyzing Integration Site Distributions. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017 , 4, 17-26	6.4	36
283	Human and rat gut microbiome composition is maintained following sleep restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E1564-E1571	11.5	59
282	Association Between Breast Milk Bacterial Communities and Establishment and Development of the Infant Gut Microbiome. <i>JAMA Pediatrics</i> , 2017 , 171, 647-654	8.3	466
281	swga: a primer design toolkit for selective whole genome amplification. <i>Bioinformatics</i> , 2017 , 33, 2071-2077	2.7	13

280	Optimizing methods and dodging pitfalls in microbiome research. <i>Microbiome</i> , 2017 , 5, 52	16.6	273
279	Associations of the vaginal microbiota with HIV infection, bacterial vaginosis, and demographic factors. <i>Aids</i> , 2017 , 31, 895-904	3.5	23
278	Genome Sequence of a Toxin-Positive Strain Isolated from Murine Feces. <i>Genome Announcements</i> , 2017 , 5,		1
277	Miniaturized devices for point of care molecular detection of HIV. <i>Lab on A Chip</i> , 2017 , 17, 382-394	7.2	73
276	Viral communities of the human gut: metagenomic analysis of composition and dynamics. <i>Mobile DNA</i> , 2017 , 8, 12	4.4	67
275	A Pilot Characterization of the Human Chronobiome. <i>Scientific Reports</i> , 2017 , 7, 17141	4.9	48
274	A role for bacterial urease in gut dysbiosis and Crohn's disease. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	92
273	The Perioperative Lung Transplant Virome: Torque Teno Viruses Are Elevated in Donor Lungs and Show Divergent Dynamics in Primary Graft Dysfunction. <i>American Journal of Transplantation</i> , 2017 , 17, 1313-1324	8.7	66
272	A role for glycolipid biosynthesis in severe fever with thrombocytopenia syndrome virus entry. <i>PLoS Pathogens</i> , 2017 , 13, e1006316	7.6	19
271	Peptidoglycan from the gut microbiota governs the lifespan of circulating phagocytes at homeostasis. <i>Blood</i> , 2016 , 127, 2460-71	2.2	66
270	Modeling altered T-cell development with induced pluripotent stem cells from patients with RAG1-dependent immune deficiencies. <i>Blood</i> , 2016 , 128, 783-93	2.2	32
269	Comparison of placenta samples with contamination controls does not provide evidence for a distinct placenta microbiota. <i>Microbiome</i> , 2016 , 4, 29	16.6	326
268	Structure and Metal Binding Properties of a Poxvirus Resolvase. <i>Journal of Biological Chemistry</i> , 2016 , 291, 11094-104	5.4	6
267	Composition and dynamics of the respiratory tract microbiome in intubated patients. <i>Microbiome</i> , 2016 , 4, 7	16.6	100
266	A Summary of the First HIV Microbiome Workshop 2015. <i>AIDS Research and Human Retroviruses</i> , 2016 , 32, 935-941	1.6	8
265	Transfer of Viral Communities between Human Individuals during Fecal Microbiota Transplantation. <i>MBio</i> , 2016 , 7, e00322	7.8	71
264	Comparative metabolomics in vegans and omnivores reveal constraints on diet-dependent gut microbiota metabolite production. <i>Gut</i> , 2016 , 65, 63-72	19.2	307
263	The Competitive Interplay between Allosteric HIV-1 Integrase Inhibitor BI/D and LEDGF/p75 during the Early Stage of HIV-1 Replication Adversely Affects Inhibitor Potency. <i>ACS Chemical Biology</i> , 2016 , 11, 1313-21	4.9	25

262	Cars in Leukemia: Relapse with Antigen-Negative Leukemia Originating from a Single B Cell Expressing the Leukemia-Targeting CAR. <i>Blood</i> , 2016 , 128, 281-281	2.2	11
261	Structural Basis for Inhibitor-Induced Aggregation of HIV Integrase. <i>PLoS Biology</i> , 2016 , 14, e1002584	9.7	40
260	Dietary Regulation of the Gut Microbiota Engineered by a Minimal Defined Bacterial Consortium. <i>PLoS ONE</i> , 2016 , 11, e0155620	3.7	12
259	a Diversity of Human Hematopoietic Differentiation Programs Identified through In Vivo Tracking of Hematopoiesis in Wiskott-Aldrich Syndrome Patients. <i>Blood</i> , 2016 , 128, 3871-3871	2.2	
258	Genomes of cryptic chimpanzee Plasmodium species reveal key evolutionary events leading to human malaria. <i>Nature Communications</i> , 2016 , 7, 11078	17.4	100
257	Engineering the gut microbiota to treat hyperammonemia. <i>Journal of Clinical Investigation</i> , 2015 , 125, 2841-50	15.9	110
256	Outcomes following gene therapy in patients with severe Wiskott-Aldrich syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 313, 1550-63	27.4	245
255	Power and sample-size estimation for microbiome studies using pairwise distances and PERMANOVA. <i>Bioinformatics</i> , 2015 , 31, 2461-8	7.2	193
254	The human skin double-stranded DNA virome: topographical and temporal diversity, genetic enrichment, and dynamic associations with the host microbiome. <i>MBio</i> , 2015 , 6, e01578-15	7.8	153
253	Multicenter Comparison of Lung and Oral Microbiomes of HIV-infected and HIV-uninfected Individuals. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 1335-44	10.2	97
252	Inflammation, Antibiotics, and Diet as Environmental Stressors of the Gut Microbiome in Pediatric Crohn's Disease. <i>Cell Host and Microbe</i> , 2015 , 18, 489-500	23.4	446
251	BIRC2/cIAP1 Is a Negative Regulator of HIV-1 Transcription and Can Be Targeted by Smac Mimetics to Promote Reversal of Viral Latency. <i>Cell Host and Microbe</i> , 2015 , 18, 345-53	23.4	78
250	Fungal Signature in the Gut Microbiota of Pediatric Patients With Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 1948-56	4.5	131
249	Inflammation-associated microbiota in pediatric eosinophilic esophagitis. <i>Microbiome</i> , 2015 , 3, 23	16.6	95
248	Comparative Effectiveness of Nutritional and Biological Therapy in North American Children with Active Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 1786-93	4.5	100
247	Gene activity in primary T cells infected with HIV89.6: intron retention and induction of genomic repeats. <i>Retrovirology</i> , 2015 , 12, 79	3.6	33
246	Alterations of the Subgingival Microbiota in Pediatric Crohn's Disease Studied Longitudinally in Discovery and Validation Cohorts. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 2797-805	4.5	25
245	Coherence analysis discriminates between retroviral integration patterns in CD34(+) cells transduced under differing clinical trial conditions. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015 , 2, 15015	6.4	1

244	A reverse transcription loop-mediated isothermal amplification assay optimized to detect multiple HIV subtypes. <i>PLoS ONE</i> , 2015 , 10, e0117852	3.7	15
243	HIV Replication in LEGO Mosaic. <i>AIDS Research and Human Retroviruses</i> , 2015 , 31, 772-3	1.6	
242	Rhythmicity of the intestinal microbiota is regulated by gender and the host circadian clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10479-84	11.5	279
241	Structural and sequencing analysis of local target DNA recognition by MLV integrase. <i>Nucleic Acids Research</i> , 2015 , 43, 5647-63	20.1	15
240	Covalent Modification of Bacteriophage T4 DNA Inhibits CRISPR-Cas9. <i>MBio</i> , 2015 , 6, e00648	7.8	58
239	Viral metagenomics reveal blooms of anelloviruses in the respiratory tract of lung transplant recipients. <i>American Journal of Transplantation</i> , 2015 , 15, 200-9	8.7	134
238	Gene Therapy Using a Self-Inactivating Lentiviral Vector Improves Clinical and Laboratory Manifestations of Wiskott-Aldrich Syndrome. <i>Blood</i> , 2015 , 126, 260-260	2.2	7
237	Bidirectional interactions between indomethacin and the murine intestinal microbiota. <i>ELife</i> , 2015 , 4, e08973	8.9	60
236	Nucleometer: a reaction-diffusion based method for quantifying nucleic acids undergoing enzymatic amplification. <i>Scientific Reports</i> , 2014 , 4, 7335	4.9	16
235	Conventional CD4+ T cells regulate IL-22-producing intestinal innate lymphoid cells. <i>Mucosal Immunology</i> , 2014 , 7, 1045-57	9.2	58
234	Time in motion: the molecular clock meets the microbiome. <i>Cell</i> , 2014 , 159, 469-70	56.2	16
233	Correlation between intraluminal oxygen gradient and radial partitioning of intestinal microbiota. <i>Gastroenterology</i> , 2014 , 147, 1055-63.e8	13.3	464
232	Coinfection. Virus-helminth coinfection reveals a microbiota-independent mechanism of immunomodulation. <i>Science</i> , 2014 , 345, 578-82	33.3	195
231	Human microbiome science: vision for the future, Bethesda, MD, July 24 to 26, 2013. <i>Microbiome</i> , 2014 , 2,	16.6	18
230	Charting a clear path: the ASGCT Standardized Pathways Conference. <i>Molecular Therapy</i> , 2014 , 22, 1235-1238	12.7	10
229	A modified Eretrovirus vector for X-linked severe combined immunodeficiency. <i>New England Journal of Medicine</i> , 2014 , 371, 1407-17	59.2	278
228	Comparing DNA integration site clusters with scan statistics. <i>Bioinformatics</i> , 2014 , 30, 1493-500	7.2	18
227	Host Factors in Retroviral Integration and the Selection of Integration Target Sites. <i>Microbiology Spectrum</i> , 2014 , 2,	8.9	30

226	Allosteric inhibition of human immunodeficiency virus integrase: late block during viral replication and abnormal multimerization involving specific protein domains. <i>Journal of Biological Chemistry</i> , 2014 , 289, 20477-88	5.4	57
225	Bimodal high-affinity association of Brd4 with murine leukemia virus integrase and mononucleosomes. <i>Nucleic Acids Research</i> , 2014 , 42, 4868-81	20.1	31
224	The major cellular sterol regulatory pathway is required for Andes virus infection. <i>PLoS Pathogens</i> , 2014 , 10, e1003911	7.6	58
223	A new class of multimerization selective inhibitors of HIV-1 integrase. <i>PLoS Pathogens</i> , 2014 , 10, e1004171	7.6	83
222	Engineering the human genome: reflections on the beginning. <i>Human Gene Therapy</i> , 2014 , 25, 395-400	4.8	
221	Improved characterization of medically relevant fungi in the human respiratory tract using next-generation sequencing. <i>Genome Biology</i> , 2014 , 15, 487	18.3	76
220	Tumor suppressor cylindromatosis (CYLD) controls HIV transcription in an NF- κ B-dependent manner. <i>Journal of Virology</i> , 2014 , 88, 7528-40	6.6	19
219	Altering murine leukemia virus integration through disruption of the integrase and BET protein family interaction. <i>Nucleic Acids Research</i> , 2014 , 42, 5917-28	20.1	50
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