

Frederic Bushman

List of Publications by Year in descending order

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Version: 2024-02-01

387
papers

101,336
citations

764

119
h-index

231

305
g-index

414
all docs

414
docs citations

414
times ranked

92677
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytomegalovirus Latent Infection is Associated with an Increased Risk of COVID-19-Related Hospitalization. <i>Journal of Infectious Diseases</i> , 2022, 226, 463-473.	1.9	39
2	Collaboration between Clinical and Academic Laboratories for Sequencing SARS-CoV-2 Genomes. <i>Journal of Clinical Microbiology</i> , 2022, 60, JCM0128821.	1.8	4
3	Long-term safety and efficacy of lentiviral hematopoietic stem/progenitor cell gene therapy for Wiskottâ€ Aldrich syndrome. <i>Nature Medicine</i> , 2022, 28, 71-80.	15.2	64
4	Lentiviral globin gene therapy with reduced-intensity conditioning in adults with β^0 -thalassemia: a phase 1 trial. <i>Nature Medicine</i> , 2022, 28, 63-70.	15.2	18
5	A Summary of the Sixth International Workshop on Microbiome in HIV Pathogenesis, Prevention, and Treatment. <i>AIDS Research and Human Retroviruses</i> , 2022, 38, 173-180.	0.5	0
6	Decade-long leukaemia remissions with persistence of CD4+ CAR T cells. <i>Nature</i> , 2022, 602, 503-509.	13.7	369
7	SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021. <i>MBio</i> , 2022, 13, e0378821.	1.8	11
8	Genetic and phenotypic characteristics of <i>Clostridium (Clostridioides) difficile</i> from canine, bovine, and pediatric populations. <i>Anaerobe</i> , 2022, , 102539.	1.0	4
9	SARS-CoV-2 Delta Variant (AY.3) in the Feces of a Domestic Cat. <i>Viruses</i> , 2022, 14, 421.	1.5	15
10	Rapid manufacturing of non-activated potent CAR T cells. <i>Nature Biomedical Engineering</i> , 2022, 6, 118-128.	11.6	92
11	PSMA-targeting TGF β -insensitive armored CAR T cells in metastatic castration-resistant prostate cancer: a phase 1 trial. <i>Nature Medicine</i> , 2022, 28, 724-734.	15.2	171
12	The pediatric virome in health and disease. <i>Cell Host and Microbe</i> , 2022, 30, 639-649.	5.1	9
13	Partial ORF1ab Gene Target Failure with Omicron BA.2.12.1. <i>Journal of Clinical Microbiology</i> , 2022, 60, e0060022.	1.8	11
14	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.	9.4	238
15	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</i> , The, 2021, 146, 3234-3241.	1.7	6
16	ICTV Virus Taxonomy Profile: Redondoviridae. <i>Journal of General Virology</i> , 2021, 102, .	1.3	9
17	SARS-CoV-2 Genomic Variation in Space and Time in Hospitalized Patients in Philadelphia. <i>MBio</i> , 2021, 12, .	1.8	27
18	NPMâ€ ALK-Induced Reprogramming of Mature TCR-Stimulated T Cells Results in Dedifferentiation and Malignant Transformation. <i>Cancer Research</i> , 2021, 81, 3241-3254.	0.4	10

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19	Antigen-driven clonal selection shapes the persistence of HIV-1-infected CD4+ T cells in vivo. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	103
20	Allosteric HIV Integrase Inhibitors Promote Formation of Inactive Branched Polymers via Homomeric Carboxy-Terminal Domain Interactions. <i>Structure</i> , 2021, 29, 213-225.e5.	1.6	12
21	The human virome: assembly, composition and host interactions. <i>Nature Reviews Microbiology</i> , 2021, 19, 514-527.	13.6	260
22	Decreased Intestinal Microbiome Diversity in Pediatric Sepsis: A Conceptual Framework for Intestinal Dysbiosis to Influence Immunometabolic Function. , 2021, 3, e0360.		5
23	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.	5.1	137
24	Lentiviral vector ALS20 yields high hemoglobin levels with low genomic integrations for treatment of beta-globinopathies. <i>Molecular Therapy</i> , 2021, 29, 1625-1638.	3.7	10
25	Rengasvirus, a Circular Replication-Associated Protein-Encoding Single-Stranded DNA Virus-Related Genome That Is a Common Contaminant in Metagenomic Data. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.3	1
26	Breastfeeding influences the neonatal virome. <i>Nature</i> , 2021, , .	13.7	1
27	Long-term outcomes after gene therapy for adenosine deaminase severe combined immune deficiency. <i>Blood</i> , 2021, 138, 1304-1316.	0.6	28
28	Retrieval of vector integration sites from cell-free DNA. <i>Nature Medicine</i> , 2021, 27, 1458-1470.	15.2	26
29	Detection of SARS-CoV-2 RNA using RT-LAMP and molecular beacons. <i>Genome Biology</i> , 2021, 22, 169.	3.8	61
30	Assembly of the virome in newborn human infants. <i>Current Opinion in Virology</i> , 2021, 48, 17-22.	2.6	17
31	Comparative Analysis of Emerging B.1.1.7+E484K SARS-CoV-2 Isolates. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab300.	0.4	16
32	Signatures of COVID-19 Severity and Immune Response in the Respiratory Tract Microbiome. <i>MBio</i> , 2021, 12, e0177721.	1.8	74
33	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, 68, 230-239.	1.5	11
34	Gut Microbiome Changes Associated with Epithelial Barrier Damage and Systemic Inflammation during Antiretroviral Therapy of Chronic SIV Infection. <i>Viruses</i> , 2021, 13, 1567.	1.5	11
35	Redondovirus Diversity and Evolution on Global, Individual, and Molecular Scales. <i>Journal of Virology</i> , 2021, 95, e0081721.	1.5	12
36	Mitochondrial dysfunction in inflammatory bowel disease alters intestinal epithelial metabolism of hepatic acylcarnitines. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	49

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37	Challenges in estimating numbers of vectors integrated in gene-modified cells using DNA sequence information. <i>Molecular Therapy</i> , 2021, 29, 3328-3331.	3.7	7
38	The gut virome in inflammatory bowel diseases. <i>Current Opinion in Virology</i> , 2021, 51, 190-198.	2.6	18
39	Over-celling fetal microbial exposure. <i>Cell</i> , 2021, 184, 5839-5841.	13.5	10
40	Decade-Long Remissions of Leukemia Sustained By the Persistence of Activated CD4+ CAR T-Cells. <i>Blood</i> , 2021, 138, 166-166.	0.6	2
41	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	15.2	170
42	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.	0.8	17
43	A Summary of the Fourth Annual Virology Education HIV Microbiome Workshop. <i>AIDS Research and Human Retroviruses</i> , 2020, 36, 349-356.	0.5	4
44	Retroviral Insertional Mutagenesis in Humans: Evidence for Four Genetic Mechanisms Promoting Expansion of Cell Clones. <i>Molecular Therapy</i> , 2020, 28, 352-356.	3.7	78
45	Improving natural product research translation: From source to clinical trial. <i>FASEB Journal</i> , 2020, 34, 41-65.	0.2	45
46	Influence of the amino-terminal sequence on the structure and function of HIV integrase. <i>Retrovirology</i> , 2020, 17, 28.	0.9	7
47	Multi-omic Analysis of the Interaction between <i>Clostridioides difficile</i> Infection and Pediatric Inflammatory Bowel Disease. <i>Cell Host and Microbe</i> , 2020, 28, 422-433.e7.	5.1	45
48	Recommendations for measuring HIV reservoir size in cure-directed clinical trials. <i>Nature Medicine</i> , 2020, 26, 1339-1350.	15.2	96
49	A Summary of the Fifth Annual Virology Education HIV Microbiome Workshop. <i>AIDS Research and Human Retroviruses</i> , 2020, 36, 886-895.	0.5	2
50	Single-cell transcriptional landscapes reveal HIV-1-driven aberrant host gene transcription as a potential therapeutic target. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	75
51	Dynamics of the Stool Virome in Very Early-Onset Inflammatory Bowel Disease. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 1600-1610.	0.6	54
52	grabseqs: simple downloading of reads and metadata from multiple next-generation sequencing data repositories. <i>Bioinformatics</i> , 2020, 36, 3607-3609.	1.8	11
53	Sialylation and fucosylation modulate inflammasome-activating eIF2 Signaling and microbial translocation during HIV infection. <i>Mucosal Immunology</i> , 2020, 13, 753-766.	2.7	24
54	CRISPR-engineered T cells in patients with refractory cancer. <i>Science</i> , 2020, 367, .	6.0	872

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55	Lentiviral gene therapy for X-linked chronic granulomatous disease. <i>Nature Medicine</i> , 2020, 26, 200-206.	15.2	175
56	Bacterial colonization reprograms the neonatal gut metabolome. <i>Nature Microbiology</i> , 2020, 5, 838-847.	5.9	70
57	The stepwise assembly of the neonatal virome is modulated by breastfeeding. <i>Nature</i> , 2020, 581, 470-474.	13.7	185
58	Clonal tracking in gene therapy patients reveals a diversity of human hematopoietic differentiation programs. <i>Blood</i> , 2020, 135, 1219-1231.	0.6	50
59	Assessment of HIV-1 integration in tissues and subsets across infection stages. <i>JCI Insight</i> , 2020, 5, .	2.3	12
60	Lifestyle and the presence of helminths is associated with gut microbiome composition in Cameroonians. <i>Genome Biology</i> , 2020, 21, 122.	3.8	48
61	Investigating hospital <i>Mycobacterium chelonae</i> infection using whole genome sequencing and hybrid assembly. <i>PLoS ONE</i> , 2020, 15, e0236533.	1.1	5
62	Title is missing!. , 2020, 15, e0236533.		0
63	Title is missing!. , 2020, 15, e0236533.		0
64	Title is missing!. , 2020, 15, e0236533.		0
65	Title is missing!. , 2020, 15, e0236533.		0
66	Virus structures constrain transmission modes. <i>Nature Microbiology</i> , 2019, 4, 1778-1780.	5.9	20
67	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.	1.5	16
68	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.	1.1	16
69	Whole-Genome Sequencing To Identify Drivers of Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Transmission within and between Regional Long-Term Acute-Care Hospitals. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	24
70	A quantitative approach for measuring the reservoir of latent HIV-1 proviruses. <i>Nature</i> , 2019, 566, 120-125.	13.7	471
71	iGUIDE: an improved pipeline for analyzing CRISPR cleavage specificity. <i>Genome Biology</i> , 2019, 20, 14.	3.8	45
72	Population structure of human gut bacteria in a diverse cohort from rural Tanzania and Botswana. <i>Genome Biology</i> , 2019, 20, 16.	3.8	66

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73	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.	5.1	83
74	Sunbeam: an extensible pipeline for analyzing metagenomic sequencing experiments. <i>Microbiome</i> , 2019, 7, 46.	4.9	134
75	Gene therapy targeting haematopoietic stem cells for inherited diseases: progress and challenges. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 447-462.	21.5	141
76	De-Discovery of the Placenta Microbiome. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 220, 213-214.	0.7	54
77	Detecting contamination in viromes using ViromeQC. <i>Nature Biotechnology</i> , 2019, 37, 1408-1412.	9.4	69
78	Bidirectional transfer of Anelloviridae lineages between graft and host during lung transplantation. <i>American Journal of Transplantation</i> , 2019, 19, 1086-1097.	2.6	30
79	Molecular analysis of bacterial contamination on stethoscopes in an intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2019, 40, 171-177.	1.0	25
80	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.	2.7	44
81	Gut microbiota modulate dendritic cell antigen presentation and radiotherapy-induced antitumor immune response. <i>Journal of Clinical Investigation</i> , 2019, 130, 466-479.	3.9	159
82	CD19-targeting CAR T cell immunotherapy outcomes correlate with genomic modification by vector integration. <i>Journal of Clinical Investigation</i> , 2019, 130, 673-685.	3.9	78
83	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, 49-49.	0.6	10
84	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.	0.6	20
85	Enterotypes in the landscape of gut microbial community composition. <i>Nature Microbiology</i> , 2018, 3, 8-16.	5.9	717
86	Allometry and Ecology of the Bilaterian Gut Microbiome. <i>MBio</i> , 2018, 9, .	1.8	29
87	Fully 3D printed integrated reactor array for point-of-care molecular diagnostics. <i>Biosensors and Bioelectronics</i> , 2018, 109, 156-163.	5.3	71
88	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.	0.8	27
89	Toxin-positive <i>Clostridium difficile</i> latently infect mouse colonies and protect against highly pathogenic <i>C. difficile</i> . <i>Gut</i> , 2018, 67, 860-871.	6.1	25
90	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.	2.5	59

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91	Long-term remission despite clonal expansion of replication-competent HIV-1 isolates. JCI Insight, 2018, 3, .	2.3	39
92	HIV-1 latent reservoir size and diversity are stable following brief treatment interruption. Journal of Clinical Investigation, 2018, 128, 3102-3115.	3.9	88
93	Nondestructive, base-resolution sequencing of 5-hydroxymethylcytosine using a DNA deaminase. Nature Biotechnology, 2018, 36, 1083-1090.	9.4	154
94	Induction of resistance to chimeric antigen receptor T cell therapy by transduction of a single leukemic B cell. Nature Medicine, 2018, 24, 1499-1503.	15.2	459
95	T cell dynamics and response of the microbiota after gene therapy to treat X-linked severe combined immunodeficiency. Genome Medicine, 2018, 10, 70.	3.6	28
96	Lack of detection of a human placenta microbiome in samples from preterm and term deliveries. Microbiome, 2018, 6, 196.	4.9	221
97	Disruption of TET2 promotes the therapeutic efficacy of CD19-targeted T cells. Nature, 2018, 558, 307-312.	13.7	574
98	Sera from Individuals with Narrowly Focused Influenza Virus Antibodies Rapidly Select Viral Escape Mutations <i>In Ovo</i> . Journal of Virology, 2018, 92, .	1.5	19
99	Gut microbiota modulates adoptive cell therapy via CD8 ⁺ dendritic cells and IL-12. JCI Insight, 2018, 3, .	2.3	111
100	Long-Term Remission of CLL Sustained By Pauciclonal Anti-CD19 Chimeric Antigen Receptor T (CTL019) Cell Clones. Blood, 2018, 132, 699-699.	0.6	4
101	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. Blood, 2018, 132, 1021-1021.	0.6	23
102	Evaluation of a therapy for Idiopathic Chronic Enterocolitis in rhesus macaques (<i>Macaca</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	0.9	5
103	Vector Integration and Efficacy of CD19-Directed CAR T Cell Therapy in Acute Lymphoblastic Leukemia (ALL) and Chronic Lymphocytic Leukemia (CLL). Blood, 2018, 132, 4548-4548.	0.6	0
104	A Model-Based Approach for Species Abundance Quantification Based on Shotgun Metagenomic Data. Statistics in Biosciences, 2017, 9, 13-27.	0.6	8
105	INSPIRED: A Pipeline for Quantitative Analysis of Sites of New DNA Integration in Cellular Genomes. Molecular Therapy - Methods and Clinical Development, 2017, 4, 39-49.	1.8	81
106	INSPIRED: Quantification and Visualization Tools for Analyzing Integration Site Distributions. Molecular Therapy - Methods and Clinical Development, 2017, 4, 17-26.	1.8	60
107	Human and rat gut microbiome composition is maintained following sleep restriction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1564-E1571.	3.3	106
108	Association Between Breast Milk Bacterial Communities and Establishment and Development of the Infant Gut Microbiome. JAMA Pediatrics, 2017, 171, 647.	3.3	749

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109	swga: a primer design toolkit for selective whole genome amplification. <i>Bioinformatics</i> , 2017, 33, 2071-2077.	1.8	27
110	Optimizing methods and dodging pitfalls in microbiome research. <i>Microbiome</i> , 2017, 5, 52.	4.9	420
111	Associations of the vaginal microbiota with HIV infection, bacterial vaginosis, and demographic factors. <i>Aids</i> , 2017, 31, 895-904.	1.0	44
112	Genome Sequence of a Toxin-Positive <i>Clostridium difficile</i> Strain Isolated from Murine Feces. <i>Genome Announcements</i> , 2017, 5, .	0.8	2
113	Miniaturized devices for point of care molecular detection of HIV. <i>Lab on A Chip</i> , 2017, 17, 382-394.	3.1	101
114	A Pilot Characterization of the Human Chronobiome. <i>Scientific Reports</i> , 2017, 7, 17141.	1.6	70
115	A role for bacterial urease in gut dysbiosis and Crohn's disease. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	171
116	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.	2.6	96
117	Viral communities of the human gut: metagenomic analysis of composition and dynamics. <i>Mobile DNA</i> , 2017, 8, 12.	1.3	119
118	A role for glycolipid biosynthesis in severe fever with thrombocytopenia syndrome virus entry. <i>PLoS Pathogens</i> , 2017, 13, e1006316.	2.1	33
119	Genomes of cryptic chimpanzee <i>Plasmodium</i> species reveal key evolutionary events leading to human malaria. <i>Nature Communications</i> , 2016, 7, 11078.	5.8	122
120	Peptidoglycan from the gut microbiota governs the lifespan of circulating phagocytes at homeostasis. <i>Blood</i> , 2016, 127, 2460-2471.	0.6	88
121	Modeling altered T-cell development with induced pluripotent stem cells from patients with RAG1-dependent immune deficiencies. <i>Blood</i> , 2016, 128, 783-793.	0.6	45
122	Comparison of placenta samples with contamination controls does not provide evidence for a distinct placenta microbiota. <i>Microbiome</i> , 2016, 4, 29.	4.9	447
123	Structure and Metal Binding Properties of a Poxvirus Resolvase. <i>Journal of Biological Chemistry</i> , 2016, 291, 11094-11104.	1.6	7
124	Composition and dynamics of the respiratory tract microbiome in intubated patients. <i>Microbiome</i> , 2016, 4, 7.	4.9	148
125	A Summary of the First HIV Microbiome Workshop 2015. <i>AIDS Research and Human Retroviruses</i> , 2016, 32, 935-941.	0.5	10
126	Transfer of Viral Communities between Human Individuals during Fecal Microbiota Transplantation. <i>MBio</i> , 2016, 7, e00322.	1.8	90

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127	Comparative metabolomics in vegans and omnivores reveal constraints on diet-dependent gut microbiota metabolite production. <i>Gut</i> , 2016, 65, 63-72.	6.1	428
128	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, 1313-1321.	1.6	29
129	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.	0.6	16
130	Structural Basis for Inhibitor-Induced Aggregation of HIV Integrase. <i>PLoS Biology</i> , 2016, 14, e1002584.	2.6	56
131	Dietary Regulation of the Gut Microbiota Engineered by a Minimal Defined Bacterial Consortium. <i>PLoS ONE</i> , 2016, 11, e0155620.	1.1	16
132	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.	0.6	0
133	Fungal Signature in the Gut Microbiota of Pediatric Patients With Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1948-1956.	0.9	194
134	Inflammation-associated microbiota in pediatric eosinophilic esophagitis. <i>Microbiome</i> , 2015, 3, 23.	4.9	128
135	Comparative Effectiveness of Nutritional and Biological Therapy in North American Children with Active Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1786-1793.	0.9	141
136	Gene activity in primary T cells infected with HIV89.6: intron retention and induction of genomic repeats. <i>Retrovirology</i> , 2015, 12, 79.	0.9	40
137	Alterations of the Subgingival Microbiota in Pediatric Crohn's Disease Studied Longitudinally in Discovery and Validation Cohorts. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 2797-2805.	0.9	46
138	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.	1.8	1
139	A Reverse Transcription Loop-Mediated Isothermal Amplification Assay Optimized to Detect Multiple HIV Subtypes. <i>PLoS ONE</i> , 2015, 10, e0117852.	1.1	23
140	HIV Replication in LEGO Mosaic. <i>AIDS Research and Human Retroviruses</i> , 2015, 31, 772-773.	0.5	0
141	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, 10479-10484.	3.3	410
142	Structural and sequencing analysis of local target DNA recognition by MLV integrase. <i>Nucleic Acids Research</i> , 2015, 43, 5647-5663.	6.5	26
143	Covalent Modification of Bacteriophage T4 DNA Inhibits CRISPR-Cas9. <i>MBio</i> , 2015, 6, e00648.	1.8	87
144	Viral Metagenomics Reveal Blooms of Anelloviruses in the Respiratory Tract of Lung Transplant Recipients. <i>American Journal of Transplantation</i> , 2015, 15, 200-209.	2.6	174

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145	Engineering the gut microbiota to treat hyperammonemia. <i>Journal of Clinical Investigation</i> , 2015, 125, 2841-2850.	3.9	154
146	Outcomes Following Gene Therapy in Patients With Severe Wiskott-Aldrich Syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 1550.	3.8	327
147	Power and sample-size estimation for microbiome studies using pairwise distances and PERMANOVA. <i>Bioinformatics</i> , 2015, 31, 2461-2468.	1.8	326
148	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.	1.8	232
149	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, 1335-1344.	2.5	120
150	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.	5.1	646
151	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, 345-353.	5.1	124
152	Gene Therapy Using a Self-Inactivating Lentiviral Vector Improves Clinical and Laboratory Manifestations of Wiskott-Aldrich Syndrome. <i>Blood</i> , 2015, 126, 260-260.	0.6	12
153	Bidirectional interactions between indomethacin and the murine intestinal microbiota. <i>ELife</i> , 2015, 4, e08973.	2.8	80
154	Allosteric Inhibition of Human Immunodeficiency Virus Integrase. <i>Journal of Biological Chemistry</i> , 2014, 289, 20477-20488.	1.6	70
155	Bimodal high-affinity association of Brd4 with murine leukemia virus integrase and mononucleosomes. <i>Nucleic Acids Research</i> , 2014, 42, 4868-4881.	6.5	37
156	The Major Cellular Sterol Regulatory Pathway Is Required for Andes Virus Infection. <i>PLoS Pathogens</i> , 2014, 10, e1003911.	2.1	80
157	A New Class of Multimerization Selective Inhibitors of HIV-1 Integrase. <i>PLoS Pathogens</i> , 2014, 10, e1004171.	2.1	112
158	Engineering the Human Genome: Reflections on the Beginning. <i>Human Gene Therapy</i> , 2014, 25, 395-400.	1.4	0
159	Improved characterization of medically relevant fungi in the human respiratory tract using next-generation sequencing. <i>Genome Biology</i> , 2014, 15, 487.	3.8	127
160	Tumor Suppressor Cyclindromatosis (CYLD) Controls HIV Transcription in an NF- κ B-Dependent Manner. <i>Journal of Virology</i> , 2014, 88, 7528-7540.	1.5	24
161	Altering murine leukemia virus integration through disruption of the integrase and BET protein family interaction. <i>Nucleic Acids Research</i> , 2014, 42, 5917-5928.	6.5	63
162	Persistence by proliferation?. <i>Science</i> , 2014, 345, 143-144.	6.0	15

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