Elliot J Lefkowitz

List of Publications by Year
in descending order

Version: 2024-02-01

117 papers	10,168 citations	38660 50 h-index	37111 96 g-index

119 all docs	119 docs citations	119 times ranked	12750 citing authors

#	Article	IF	Citations
1	Virus taxonomy: the database of the International Committee on Taxonomy of Viruses (ICTV). Nucleic Acids Research, 2018, 46, D708-D717.	6.5	733
2	Genome of the Bacterium Streptococcus pneumoniae Strain R6. Journal of Bacteriology, 2001, 183, 5709-5717.	1.0	717
3	Virus taxonomy in the age of metagenomics. Nature Reviews Microbiology, 2017, 15, 161-168.	13.6	590
4	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018). Archives of Virology, 2018, 163, 2601-2631.	0.9	567
5	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2017). Archives of Virology, 2017, 162, 2505-2538.	0.9	506
6	The complete sequence of the mucosal pathogen Ureaplasma urealyticum. Nature, 2000, 407, 757-762.	13.7	383
7	Virulence differences between monkeypox virus isolates from West Africa and the Congo basin. Virology, 2005, 340, 46-63.	1.1	342
8	ICTV Virus Taxonomy Profile: Asfarviridae. Journal of General Virology, 2018, 99, 613-614.	1.3	292
9	Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2016). Archives of Virology, 2016, 161, 2921-2949.	0.9	263
10	Changes to virus taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2019). Archives of Virology, 2019, 164, 2417-2429.	0.9	257
11	The Genome Sequence of Mycoplasma hyopneumoniae Strain 232, the Agent of Swine Mycoplasmosis. Journal of Bacteriology, 2004, 186, 7123-7133.	1.0	233
12	Changes to virus taxonomy and to the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021). Archives of Virology, 2021, 166, 2633-2648.	0.9	219
13	ICTV Virus Taxonomy Profile: Rhabdoviridae. Journal of General Virology, 2018, 99, 447-448.	1.3	207
14	Changes to virus taxonomy and the Statutes ratified by the International Committee on Taxonomy of Viruses (2020). Archives of Virology, 2020, 165, 2737-2748.	0.9	202
15	Altered microbiota associated with abnormal humoral immune responses to commensal organisms in enthesitis-related arthritis. Arthritis Research and Therapy, 2014, 16, 486.	1.6	176
16	Poxviruses: past, present and future. Virus Research, 2006, 117, 105-118.	1.1	164
17	Kinetic analysis of a complete poxvirus transcriptome reveals an immediate-early class of genes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2140-2145.	3.3	161
18	Orthopoxvirus Genome Evolution: The Role of Gene Loss. Viruses, 2010, 2, 1933-1967.	1.5	160

#	Article	IF	Citations
19	ICTV Virus Taxonomy Profile: Papillomaviridae. Journal of General Virology, 2018, 99, 989-990.	1.3	140
20	Cystin, a novel cilia-associated protein, is disrupted in the cpk mouse model of polycystic kidney disease. Journal of Clinical Investigation, 2002, 109, 533-540.	3.9	131
21	Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2015). Archives of Virology, 2015, 160, 1837-1850.	0.9	126
22	ICTV Virus Taxonomy Profile: Togaviridae. Journal of General Virology, 2018, 99, 761-762.	1.3	122
23	The gut microbiome of the sea urchin,Lytechinus variegatus, from its natural habitat demonstrates selective attributes of microbial taxa and predictive metabolic profiles. FEMS Microbiology Ecology, 2016, 92, fiw146.	1.3	113
24	Getting Started with Microbiome Analysis: Sample Acquisition to Bioinformatics. Current Protocols in Human Genetics, 2014, 82, 18.8.1-29.	3.5	111
25	Additional changes to taxonomy ratified in a special vote by the International Committee on Taxonomy of Viruses (October 2018). Archives of Virology, 2019, 164, 943-946.	0.9	102
26	ICTV Virus Taxonomy Profile: Baculoviridae. Journal of General Virology, 2018, 99, 1185-1186.	1.3	101
27	Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2014). Archives of Virology, 2014, 159, 2831-2841.	0.9	98
28	Genetic Variability in the G Protein Gene of Group A and B Respiratory Syncytial Viruses from India. Journal of Clinical Microbiology, 2006, 44, 3055-3064.	1.8	97
29	Vaccinia Virus-Specific CD4+ T Cell Responses Target a Set of Antigens Largely Distinct from Those Targeted by CD8+ T Cell Responses. Journal of Immunology, 2007, 178, 6814-6820.	0.4	97
30	The genomic sequence of ectromelia virus, the causative agent of mousepox. Virology, 2003, 317, 165-186.	1.1	86
31	An abundance of Epsilonproteobacteria revealed in the gut microbiome of the laboratory cultured sea urchin, Lytechinus variegatus. Frontiers in Microbiology, 2015, 6, 1047.	1.5	82
32	Helicobacter pylori infection is associated with an altered gastric microbiota in children. Mucosal Immunology, 2017, 10, 1169-1177.	2.7	80
33	Loss of Vancomycin-Resistant Enterococcus Fecal Dominance in an Organ Transplant Patient With Clostridium difficile Colitis After Fecal Microbiota Transplant. Open Forum Infectious Diseases, 2015, 2, ofv078.	0.4	76
34	50 years of the International Committee on Taxonomy of Viruses: progress and prospects. Archives of Virology, 2017, 162, 1441-1446.	0.9	72
35	ICTV Virus Taxonomy Profile: Hypoviridae. Journal of General Virology, 2018, 99, 615-616.	1.3	71
36	Identification of Key Bacteria Involved in the Induction of Incident Bacterial Vaginosis: A Prospective Study. Journal of Infectious Diseases, 2018, 218, 966-978.	1.9	70

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37	Identification of the human pituitary tumor transforming gene (hPTTG) family: molecular structure, expression, and chromosomal localization. Gene, 2000, 248, 41-50.	1.0	66
38	Genetic Variability among Group A and Group B Respiratory Syncytial Viruses in a Childrenâ€™s Hospital. Journal of Clinical Microbiology, 1998, 36, 3552-3557.	1.8	66
39	Poxvirus protein evolution: Family wide assessment of possible horizontal gene transfer events. Virus Research, 2009, 144, 233-249.	1.1	64
40	Targeting ofStreptococcus mutansBiofilms by a Novel Small Molecule Prevents Dental Caries and Preserves the Oral Microbiome. Journal of Dental Research, 2017, 96, 807-814.	2.5	64
41	Composition and richness of the serum microbiome differ by age and link to systemic inflammation. GeroScience, 2018, 40, 257-268.	2.1	63
42	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	0.9	62
43	The Hinge of the Human Papillomavirus Type 11 E2 Protein Contains Major Determinants for Nuclear Localization and Nuclear Matrix Association. Journal of Virology, 2000, 74, 3761-3770.	1.5	61
44	The silent codon change I507â€ATCâ†'ATT contributes to the severity of the Î”F508 CFTR channel dysfunction. FASEB Journal, 2013, 27, 4630-4645.	0.2	60
45	Comparative genome analysis of Mycoplasma pneumoniae. BMC Genomics, 2015, 16, 610.	1.2	59
46	Gut microbiota composition associated with alterations in cardiorespiratory fitness and psychosocial outcomes among breast cancer survivors. Supportive Care in Cancer, 2017, 25, 1563-1570.	1.0	59
47	Evidence for separation of HCV subtype 1a into two distinct clades. Journal of Viral Hepatitis, 2011, 18, 608-618.	1.0	58
48	Age and fecal microbial strain-specific differences in patients with spondyloarthritis. Arthritis Research and Therapy, 2018, 20, 14.	1.6	58
49	Comprehensive analysis of iron utilization by Mycobacterium tuberculosis. PLoS Pathogens, 2020, 16, e1008337.	2.1	58
50	Fecal metabolomics in pediatric spondyloarthritis implicate decreased metabolic diversity and altered tryptophan metabolism as pathogenic factors. Genes and Immunity, 2016, 17, 400-405.	2.2	57
51	ICTV Virus Taxonomy Profile: Nodaviridae. Journal of General Virology, 2019, 100, 3-4.	1.3	57
52	Recently agreed changes to the International Code of Virus Classification and Nomenclature. Archives of Virology, 2013, 158, 2633-2639.	0.9	54
53	Comparative Analysis of Viral Gene Expression Programs during Poxvirus Infection: A Transcriptional Map of the Vaccinia and Monkeypox Genomes. PLoS ONE, 2008, 3, e2628.	1.1	54
54	Poxvirus Bioinformatics Resource Center: a comprehensive Poxviridae informational and analytical resource. Nucleic Acids Research, 2004, 33, D311-D316.	6.5	53

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55	Identification of donor microbe species that colonize and persist long term in the recipient after fecal transplant for recurrent Clostridium difficile. Npj Biofilms and Microbiomes, 2017, 3, 12.	2.9	52
56	Binomial nomenclature for virus species: a consultation. Archives of Virology, 2020, 165, 519-525.	0.9	51
57	National Institute of Allergy and Infectious Diseases Bioinformatics Resource Centers: New Assets for Pathogen Informatics. Infection and Immunity, 2007, 75, 3212-3219.	1.0	50
58	Complete coding sequences of the rabbitpox virus genome. Journal of General Virology, 2005, 86, 2969-2977.	1.3	41
59	Streptococcus pneumoniae TIGR4 Phase-Locked Opacity Variants Differ in Virulence Phenotypes. MSphere, 2017, 2, .	1.3	39
60	Associations Between Race, Perceived Psychological Stress, and the Gut Microbiota in a Sample of Generally Healthy Black and White Women: A Pilot Study on the Role of Race and Perceived Psychological Stress. Psychosomatic Medicine, 2018, 80, 640-648.	1.3	38
61	Individualized recovery of gut microbial strains post antibiotics. Npj Biofilms and Microbiomes, 2019, 5, 30.	2.9	36
62	Vaginal Microbiota in Pregnancy: Evaluation Based on Vaginal Flora, Birth Outcome, and Race. American Journal of Perinatology, 2016, 33, 401-408.	0.6	34
63	Metagenomics approach to the study of the gut microbiome structure and function in zebrafish Danio rerio fed with gluten formulated diet. Journal of Microbiological Methods, 2017, 135, 69-76.	0.7	34
64	Pathological Î±-synuclein recruits LRRK2 expressing pro-inflammatory monocytes to the brain. Molecular Neurodegeneration, 2022, 17, 7.	4.4	34
65	In Silico and Experimental Evaluation of Primer Sets for Species-Level Resolution of the Vaginal Microbiota Using 16S Ribosomal RNA Gene Sequencing. Journal of Infectious Diseases, 2019, 219, 305-314.	1.9	33
66	Differentiating between viruses and virus species by writing their names correctly. Archives of Virology, 2022, 167, 1231-1234.	0.9	33
67	Culture-Independent Diagnostics for Health Security. Health Security, 2016, 14, 122-142.	0.9	31
68	Sharing of gut microbial strains between selected individual sets of twins cohabitating for decades. PLoS ONE, 2019, 14, e0226111.	1.1	31
69	Age-Related Differences in the Gut Microbiome of Rhesus Macaques. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1293-1298.	1.7	31
70	Perspective on taxonomic classification of uncultivated viruses. Current Opinion in Virology, 2021, 51, 207-215.	2.6	31
71	Detection and genetic diversity of human metapneumovirus in hospitalized children with acute respiratory infections in India. Journal of Medical Virology, 2011, 83, 1799-1810.	2.5	29
72	Recombination in West Nile Virus: minimal contribution to genomic diversity. Virology Journal, 2009, 6, 165.	1.4	27

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73	Towards Viral Genome Annotation Standards, Report from the 2010 NCBI Annotation Workshop. Viruses, 2010, 2, 2258-2268.	1.5	27
74	Sex-based differences in the activation of peripheral blood monocytes in early Parkinson disease. Npj Parkinson's Disease, 2021, 7, 36.	2.5	26
75	The diversity of the proline-rich domain of pneumococcal surface protein A (PspA): Potential relevance to a broad-spectrum vaccine. Vaccine, 2018, 36, 6834-6843.	1.7	23
76	Identification of Nucleotide-Level Changes Impacting Gene Content and Genome Evolution in Orthopoxviruses. Journal of Virology, 2014, 88, 13651-13668.	1.5	22
77	Intrinsic IL-2 production by effector CD8 T cells affects IL-2 signaling and promotes fate decisions, stemness, and protection. Science Immunology, 2022, 7, eabl6322.	5.6	22
78	Gut Microbial Dysbiosis Due toHelicobacterDrives an Increase in Marginal Zone B Cells in the Absence of IL-10 Signaling in Macrophages. Journal of Immunology, 2015, 195, 3071-3085.	0.4	21
79	ICTV Virus Taxonomy Profile: Plasmaviridae. Journal of General Virology, 2018, 99, 617-618.	1.3	21
80	Characterization of the Vaginal Microbiota among Sexual Risk Behavior Groups of Women with Bacterial Vaginosis. PLoS ONE, 2013, 8, e80254.	1.1	20
81	Altered DNA Methylation in the Developing Brains of Rats Genetically Prone to High versus Low Anxiety. Journal of Neuroscience, 2019, 39, 3144-3158.	1.7	20
82	Genomic multiple sequence alignments: refinement using a genetic algorithm. BMC Bioinformatics, 2005, 6, 200.	1.2	19
83	Genome Variability and Gene Content in Chordopoxviruses: Dependence on Microsatellites. Viruses, 2015, 7, 2126-2146.	1.5	19
84	Colonization potential to reconstitute a microbe community in patients detected early after fecal microbe transplant for recurrent C. difficile. BMC Microbiology, 2016, 16, 5.	1.3	19
85	New microbe genomic variants in patients fecal community following surgical disruption of the upper human gastrointestinal tract. Human Microbiome Journal, 2018, 10, 37-42.	3.8	19
86	Association between BVAB1 and high Nugent scores among women with bacterial vaginosis. Diagnostic Microbiology and Infectious Disease, 2014, 80, 321-323.	0.8	17
87	Phylogenetic Analysis of the 16S-23S rRNA Intergenic Spacer Regions of the Genus Ureaplasma.. Journal of Veterinary Medical Science, 1996, 58, 191-195.	0.3	15
88	Phylogenetic Analysis of Eastern Equine Encephalitis Virus Isolates from Florida. American Journal of Tropical Medicine and Hygiene, 2011, 84, 709-717.	0.6	14
89	Gut microbiota diversity is associated with cardiorespiratory fitness in postâ€primary treatment breast cancer survivors. Experimental Physiology, 2019, 104, 529-539.	0.9	14
90	Complementation of a vesicular stomatitis virus glycoprotein G mutant with wild-type protein expressed from either a bovine papilloma virus or a vaccinia virus vector system. Virology, 1990, 178, 373-383.	1.1	13

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91	Variola virus topoisomerase: DNA cleavage specificity and distribution of sites in Poxvirus genomes. Virology, 2007, 365, 60-69.	1.1	13
92	Tracking the changes in virus taxonomy. Archives of Virology, 2015, 160, 1375-1383.	0.9	13
93	Quantitative Proteomic Analysis of Enriched Nuclear Fractions from BK Polyomavirus-Infected Primary Renal Proximal Tubule Epithelial Cells. Journal of Proteome Research, 2015, 14, 4413-4424.	1.8	11
94	An Inhibitor of Interferon Action: II. Biological Properties of the IFN-Î³-Associated Inhibitor of Interferon Action. Journal of Interferon Research, 1985, 5, 101-110.	1.2	9
95	ICTV Virus Taxonomy Profile: Bicaudaviridae. Journal of General Virology, 2018, 99, 864-865.	1.3	9
96	Midtrimester Cervicovaginal Microbiota: Identification of Microbial Variations Associated with Puerperal Infection at Term. American Journal of Perinatology, 2016, 33, 1165-1175.	0.6	8
97	SS-Wrapper: a package of wrapper applications for similarity searches on Linux clusters. BMC Bioinformatics, 2004, 5, 171.	1.2	7
98	ICTV Virus Taxonomy Profile: Guttaviridae. Journal of General Virology, 2018, 99, 290-291.	1.3	7
99	Recently agreed changes to the Statutes of the International Committee on Taxonomy of Viruses. Archives of Virology, 2014, 159, 175-180.	0.9	6
100	An Inhibitor of Interferon Action: I. Physical Association of the Inhibitor with Interferon-gamma. Journal of Interferon Research, 1985, 5, 85-99.	1.2	5
101	Midtrimester microbial DNA variations in maternal serum of women who experience spontaneous preterm birth. Journal of Maternal-Fetal and Neonatal Medicine, 2020, 33, 359-367.	0.7	5
102	ICTV Virus Taxonomy Profile: Globuloviridae. Journal of General Virology, 2018, 99, 1357-1358.	1.3	5
103	Reply to Satheshkumar and Moss: Poxvirus transcriptome analysis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, E63-E64.	3.3	4
104	The Virology of Taterapox Virus In Vitro. Viruses, 2018, 10, 463.	1.5	4
105	ICTV Virus Taxonomy Profile: Ampullaviridae. Journal of General Virology, 2018, 99, 288-289.	1.3	4
106	Taxonomy and Classification of Viruses. , 0, , 1390-1404.		4
107	Diet Quality and the Gut Microbiota in Women Living in Alabama. American Journal of Preventive Medicine, 2022, 63, S37-S46.	1.6	4
108	Gravidas with class III obesity: evaluating the abdominal skin microbiota above and below the panniculus. Journal of Maternal-Fetal and Neonatal Medicine, 2016, 29, 1-5.	0.7	3

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109	Novel putative drivers revealed by targeted exome sequencing of advanced solid tumors. PLoS ONE, 2018, 13, e0194790.	1.1	3
110	[53] Assay and characterization of an inhibitor of interferon action. Methods in Enzymology, 1981, 79, 440-448.	0.4	2
111	Expression of a non-coding RNA in ectromelia virus is required for normal plaque formation. Virus Genes, 2014, 48, 38-47.	0.7	2
112	Gene-Based Detection of Microorganisms in Environmental Samples Using PCR. , 1997, , .		0
113	A lite bioinformatics specialization. ACM SIGBIO Newsletter, 2000, 20, 20-21.	0.1	0
114	Comprehensive analysis of iron utilization by Mycobacterium tuberculosis. , 2020, 16, e1008337.		0
115	Comprehensive analysis of iron utilization by Mycobacterium tuberculosis. , 2020, 16, e1008337.		0
116	Comprehensive analysis of iron utilization by Mycobacterium tuberculosis. , 2020, 16, e1008337.		0
117	Comprehensive analysis of iron utilization by Mycobacterium tuberculosis. , 2020, 16, e1008337.		0