

Gregory A Buck

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

5,278
citations

172457

29
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

6319
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete Genome Sequence of the Apicomplexan, <i>Cryptosporidium parvum</i> . <i>Science</i> , 2004, 304, 441-445.	12.6	877
2	The vaginal microbiome and preterm birth. <i>Nature Medicine</i> , 2019, 25, 1012-1021.	30.7	600
3	The genome of <i>Cryptosporidium hominis</i> . <i>Nature</i> , 2004, 431, 1107-1112.	27.8	506
4	Differences in vaginal microbiome in African American women versus women of European ancestry. <i>Microbiology (United Kingdom)</i> , 2014, 160, 2272-2282.	1.8	390
5	The truth about metagenomics: quantifying and counteracting bias in 16S rRNA studies. <i>BMC Microbiology</i> , 2015, 15, 66.	3.3	388
6	Racioethnic diversity in the dynamics of the vaginal microbiome during pregnancy. <i>Nature Medicine</i> , 2019, 25, 1001-1011.	30.7	204
7	Does the human placenta delivered at term have a microbiota? Results of cultivation, quantitative real-time PCR, 16S rRNA gene sequencing, and metagenomics. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 220, 267.e1-267.e39.	1.3	196
8	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	30.7	170
9	The Changing Landscape of the Vaginal Microbiome. <i>Clinics in Laboratory Medicine</i> , 2014, 34, 747-761.	1.4	166
10	Species-level classification of the vaginal microbiome. <i>BMC Genomics</i> , 2012, 13, S17.	2.8	145
11	Evidence for genetic exchange and hybridization in <i>Trypanosoma cruzi</i> based on nucleotide sequences and molecular karyotype. <i>Infection, Genetics and Evolution</i> , 2003, 2, 173-183.	2.3	138
12	Genetic diversity of <i>Trypanosoma cruzi</i> in bats, and multilocus phylogenetic and phylogeographical analyses supporting Tcbat as an independent DTU (discrete typing unit). <i>Acta Tropica</i> , 2015, 151, 166-177.	2.0	112
13	Genomic sequence analysis and characterization of <i>Sneathia amnii</i> sp. nov. <i>BMC Genomics</i> , 2012, 13, S4.	2.8	108
14	Effects of combined oral contraceptives, depot medroxyprogesterone acetate and the levonorgestrel-releasing intrauterine system on the vaginal microbiome. <i>Contraception</i> , 2017, 95, 405-413.	1.5	95
15	IL-13 is a driver of COVID-19 severity. <i>JCI Insight</i> , 2021, 6, .	5.0	80
16	MeFIT: merging and filtering tool for illumina paired-end reads for 16S rRNA amplicon sequencing. <i>BMC Bioinformatics</i> , 2016, 17, 491.	2.6	79
17	CryptoDB: the <i>Cryptosporidium</i> genome resource. <i>Nucleic Acids Research</i> , 2004, 32, 329D-331.	14.5	78
18	A New Era of the Vaginal Microbiome: Advances Using Next-Generation Sequencing. <i>Chemistry and Biodiversity</i> , 2012, 9, 965-976.	2.1	74

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19	Mutations in the Human Biotinidase Gene That Cause Profound Biotinidase Deficiency in Symptomatic Children: Molecular, Biochemical, and Clinical Analysis. <i>Pediatric Research</i> , 1997, 42, 840-848.	2.3	73
20	Changes in vaginal community state types reflect major shifts in the microbiome. <i>Microbial Ecology in Health and Disease</i> , 2017, 28, 1303265.	3.5	66
21	An Emerging <i>Mycoplasma</i> Associated with Trichomoniasis, Vaginal Infection and Disease. <i>PLoS ONE</i> , 2014, 9, e110943.	2.5	64
22	Identification of a gene in <i>Mycoplasma hominis</i> associated with preterm birth and microbial burden in intraamniotic infection. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, 779.e1-779.e13.	1.3	64
23	Skin-to-Skin Care and the Development of the Preterm Infant Oral Microbiome. <i>American Journal of Perinatology</i> , 2015, 32, 1205-1216.	1.4	50
24	Genome Evolution and Phylogenomic Analysis of Candidatus Kinetoplastibacterium, the Betaproteobacterial Endosymbionts of <i>Strigomonas</i> and <i>Angomonas</i> . <i>Genome Biology and Evolution</i> , 2013, 5, 338-350.	2.5	47
25	Comparison of <i>Lactobacillus crispatus</i> isolates from <i>Lactobacillus</i> -dominated vaginal microbiomes with isolates from microbiomes containing bacterial vaginosis-associated bacteria. <i>Microbiology (United Kingdom)</i> , 2016, 162, 466-475.	1.8	46
26	Polymorphisms at the Topoisomerase II Gene Locus Provide More Evidence for the Partition of <i>Trypanosoma cruzi</i> into Two Major Groups. <i>Journal of Eukaryotic Microbiology</i> , 1999, 46, 17-23.	1.7	44
27	Revisiting the reference genomes of human pathogenic <i>Cryptosporidium</i> species: reannotation of <i>C. parvum</i> Iowa and a new <i>C. hominis</i> reference. <i>Scientific Reports</i> , 2015, 5, 16324.	3.3	44
28	Relationship between vitamin D status and the vaginal microbiome during pregnancy. <i>Journal of Perinatology</i> , 2019, 39, 824-836.	2.0	40
29	Repertoire, Genealogy and Genomic Organization of Cruzipain and Homologous Genes in <i>Trypanosoma cruzi</i> , <i>T. cruzi</i> -Like and Other Trypanosome Species. <i>PLoS ONE</i> , 2012, 7, e38385.	2.5	31
30	Comparative Genomics of <i>Cryptosporidium</i> . <i>International Journal of Genomics</i> , 2013, 2013, 1-8.	1.6	28
31	Automated System for Gene Annotation and Metabolic Pathway Reconstruction Using General Sequence Databases. <i>Chemistry and Biodiversity</i> , 2007, 4, 2593-2602.	2.1	27
32	Phylogenetic and syntenic data support a single horizontal transference to a <i>Trypanosoma</i> ancestor of a prokaryotic proline racemase implicated in parasite evasion from host defences. <i>Parasites and Vectors</i> , 2015, 8, 222.	2.5	25
33	Race, the Vaginal Microbiome, and Spontaneous Preterm Birth. <i>MSystems</i> , 2022, 7, e0001722.	3.8	24
34	Association between statin use, the vaginal microbiome, and <i>Gardnerella vaginalis</i> vaginolysin-mediated cytotoxicity. <i>PLoS ONE</i> , 2017, 12, e0183765.	2.5	21
35	The HSP70 Gene Family in <i>Pneumocystis carinii</i> : Molecular and Phylogenetic Characterization of Cytoplasmic Members. <i>Journal of Eukaryotic Microbiology</i> , 1998, 45, 589-599.	1.7	18
36	High Prevalence of GB Virus C in Brazil and Molecular Evidence for Intrafamilial Transmission. <i>Journal of Clinical Microbiology</i> , 1999, 37, 1634-1637.	3.9	18

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37	The Evolutionary Loss of RNAi Key Determinants in Kinetoplastids as a Multiple Sporadic Phenomenon. <i>Journal of Molecular Evolution</i> , 2017, 84, 104-115.	1.8	15
38	Genomic comparison of <i>Trypanosoma conorhini</i> and <i>Trypanosoma rangeli</i> to <i>Trypanosoma cruzi</i> strains of high and low virulence. <i>BMC Genomics</i> , 2018, 19, 770.	2.8	14
39	Proteomic Analysis Reveals a Predominant NFE2L2 (NRF2) Signature in Canonical Pathway and Upstream Regulator Analysis of <i>Leishmania</i> -Infected Macrophages. <i>Frontiers in Immunology</i> , 2019, 10, 1362.	4.8	14
40	Impact of Herpes Simplex Virus Type 2 and Human Immunodeficiency Virus Dual Infection on Female Genital Tract Mucosal Immunity and the Vaginal Microbiome. <i>Journal of Infectious Diseases</i> , 2019, 220, 852-861.	4.0	14
41	Sequence Comparison of Vaginolysin from Different <i>Gardnerella</i> Species. <i>Pathogens</i> , 2021, 10, 86.	2.8	14
42	Genome-wide identification of evolutionarily conserved Small Heat-Shock and eight other proteins bearing α -crystallin domain-like in kinetoplastid protists. <i>PLoS ONE</i> , 2018, 13, e0206012.	2.5	13
43	The vaginal microbiome in women of reproductive age with healthy weight versus overweight/obesity. <i>Obesity</i> , 2022, 30, 142-152.	3.0	12
44	Multi-omic Microbiome Profiles in the Female Reproductive Tract in Early Pregnancy. <i>Infectious Microbes & Diseases</i> , 2019, 1, 49-60.	1.3	9
45	Vaginal microbiome <i>Lactobacillus crispatus</i> is heritable among European American women. <i>Communications Biology</i> , 2021, 4, 872.	4.4	7
46	Unique roles of vaginal <i>Megasphaera</i> phylotypes in reproductive health. <i>Microbial Genomics</i> , 2021, 7, .	2.0	6
47	An Arrayed Bacteriophage P1 Genomic Library of <i>Pneumocystis carinii</i> . <i>Journal of Eukaryotic Microbiology</i> , 1996, 43, 171-176.	1.7	3
48	Airway microbiome dynamics and relationship to ventilator-associated infection in intubated pediatric patients. <i>Pediatric Pulmonology</i> , 2022, 57, 508-518.	2.0	3
49	Endosymbiont Capture, a Repeated Process of Endosymbiont Transfer with Replacement in <i>Trypanosomatids</i> <i>Angomonas</i> spp.. <i>Pathogens</i> , 2021, 10, 702.	2.8	2
50	T β bet is required for survival and immunity to the intracellular pathogen <i>Trypanosoma cruzi</i> (<i>T. cruzi</i>). <i>FASEB Journal</i> , 2008, 22, .	0.5	0