

David N Fredricks

List of Publications by Year in descending order

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106
papers

8,787
citations

70961

41
h-index

45213

90
g-index

110
all docs

110
docs citations

110
times ranked

8243
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Identification of Bacteria Associated with Bacterial Vaginosis. <i>New England Journal of Medicine</i> , 2005, 353, 1899-1911.	13.9	1,080
2	Bacterial Communities in Women with Bacterial Vaginosis: High Resolution Phylogenetic Analyses Reveal Relationships of Microbiota to Clinical Criteria. <i>PLoS ONE</i> , 2012, 7, e37818.	1.1	545
3	Isavuconazole treatment for mucormycosis: a single-arm open-label trial and case-control analysis. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 828-837.	4.6	528
4	Breakthrough Fungal Infections in Stem Cell Transplant Recipients Receiving Voriconazole. <i>Clinical Infectious Diseases</i> , 2004, 39, 743-746.	2.9	395
5	Randomized, Placebo-Controlled Phase 2 Trial of a <i>Lactobacillus crispatus</i> Probiotic Given Intravaginally for Prevention of Recurrent Urinary Tract Infection. <i>Clinical Infectious Diseases</i> , 2011, 52, 1212-1217.	2.9	376
6	Temporal Variability of Human Vaginal Bacteria and Relationship with Bacterial Vaginosis. <i>PLoS ONE</i> , 2010, 5, e10197.	1.1	363
7	Targeted PCR for Detection of Vaginal Bacteria Associated with Bacterial Vaginosis. <i>Journal of Clinical Microbiology</i> , 2007, 45, 3270-3276.	1.8	328
8	Colonization of the upper genital tract by vaginal bacterial species in nonpregnant women. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, 611.e1-611.e9.	0.7	259
9	Comparison of Six DNA Extraction Methods for Recovery of Fungal DNA as Assessed by Quantitative PCR. <i>Journal of Clinical Microbiology</i> , 2005, 43, 5122-5128.	1.8	231
10	Diversity of Human Vaginal Bacterial Communities and Associations with Clinically Defined Bacterial Vaginosis. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4898-4909.	1.4	230
11	Metabolic Signatures of Bacterial Vaginosis. <i>MBio</i> , 2015, 6, .	1.8	230
12	The Evolving Facets of Bacterial Vaginosis: Implications for HIV Transmission. <i>AIDS Research and Human Retroviruses</i> , 2019, 35, 219-228.	0.5	188
13	The Human Vaginal Bacterial Biota and Bacterial Vaginosis. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2008, 2008, 1-22.	0.6	185
14	Evaluation of the association between the concentrations of key vaginal bacteria and the increased risk of HIV acquisition in African women from five cohorts: a nested case-control study. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 554-564.	4.6	175
15	Metabolic Model-Based Integration of Microbiome Taxonomic and Metabolomic Profiles Elucidates Mechanistic Links between Ecological and Metabolic Variation. <i>MSystems</i> , 2016, 1, .	1.7	167
16	Stool Microbiota at Neutrophil Recovery Is Predictive for Severe Acute Graft vs Host Disease After Hematopoietic Cell Transplantation. <i>Clinical Infectious Diseases</i> , 2017, 65, 1984-1991.	2.9	147
17	Relationship of Specific Vaginal Bacteria and Bacterial Vaginosis Treatment Failure in Women Who Have Sex with Women. <i>Annals of Internal Medicine</i> , 2008, 149, 20.	2.0	146
18	Changes in Vaginal Bacterial Concentrations with Intravaginal Metronidazole Therapy for Bacterial Vaginosis as Assessed by Quantitative PCR. <i>Journal of Clinical Microbiology</i> , 2009, 47, 721-726.	1.8	141

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19	PCR-based diagnosis of human fungal infections. <i>Expert Review of Anti-Infective Therapy</i> , 2009, 7, 1201-1221.	2.0	140
20	Idiopathic pneumonia syndrome after hematopoietic cell transplantation: evidence of occult infectious etiologies. <i>Blood</i> , 2015, 125, 3789-3797.	0.6	137
21	Development and optimization of quantitative PCR for the diagnosis of invasive aspergillosis with bronchoalveolar lavage fluid. <i>BMC Infectious Diseases</i> , 2008, 8, 73.	1.3	119
22	Extravaginal Reservoirs of Vaginal Bacteria as Risk Factors for Incident Bacterial Vaginosis. <i>Journal of Infectious Diseases</i> , 2012, 205, 1580-1588.	1.9	96
23	Rapid and Profound Shifts in the Vaginal Microbiota Following Antibiotic Treatment for Bacterial Vaginosis. <i>Journal of Infectious Diseases</i> , 2015, 212, 793-802.	1.9	94
24	Sequencing and Analysis of Fungal rRNA Operons for Development of Broad-Range Fungal PCR Assays. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1559-1565.	1.4	91
25	Early Pregnancy Changes in Bacterial Vaginosis-Associated Bacteria and Preterm Delivery. <i>Paediatric and Perinatal Epidemiology</i> , 2014, 28, 88-96.	0.8	91
26	Comparison of quantitative real time PCR with Sequencing and ribosomal RNA-FISH for the identification of fungi in Formalin fixed, paraffin-embedded tissue specimens. <i>BMC Infectious Diseases</i> , 2011, 11, 202.	1.3	83
27	Risks for Acquisition of Bacterial Vaginosis Among Women Who Report Sex with Women: A Cohort Study. <i>PLoS ONE</i> , 2010, 5, e11139.	1.1	82
28	Molecular methods to describe the spectrum and dynamics of the vaginal microbiota. <i>Anaerobe</i> , 2011, 17, 191-195.	1.0	76
29	Graft-Derived Reconstitution of Mucosal-Associated Invariant T Cells after Allogeneic Hematopoietic Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2018, 24, 242-251.	2.0	70
30	More Than Meets the Eye: Associations of Vaginal Bacteria with Gram Stain Morphotypes Using Molecular Phylogenetic Analysis. <i>PLoS ONE</i> , 2013, 8, e78633.	1.1	67
31	The gut microbiota and graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2019, 129, 1808-1817.	3.9	67
32	Vaginal microbiota and genitourinary menopausal symptoms: a cross-sectional analysis. <i>Menopause</i> , 2017, 24, 1160-1166.	0.8	62
33	Paraffin Removal from Tissue Sections for Digestion and PCR Analysis. <i>BioTechniques</i> , 1999, 26, 198-200.	0.8	60
34	Molecular methodology in determining vaginal flora in health and disease: Its time has come. <i>Current Infectious Disease Reports</i> , 2005, 7, 463-470.	1.3	58
35	Lactobacillus Proteins Are Associated with the Bactericidal Activity against E. coli of Female Genital Tract Secretions. <i>PLoS ONE</i> , 2012, 7, e49506.	1.1	56
36	Bacterial Vaginosis-Associated Bacteria in Men. <i>Sexually Transmitted Diseases</i> , 2013, 40, 944-949.	0.8	56

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37	COVID-19“Lessons Learned and Questions Remaining. <i>Clinical Infectious Diseases</i> , 2021, 72, 2225-2240.	2.9	54
38	Effects of Bacterial Vaginosis-Associated Bacteria and Sexual Intercourse on Vaginal Colonization With the Probiotic <i>Lactobacillus crispatus</i> CTV-05. <i>Sexually Transmitted Diseases</i> , 2011, 38, 1020-1027.	0.8	52
39	Preterm labor and bacterial vaginosis-associated bacteria among urban women. <i>Journal of Perinatal Medicine</i> , 2009, 37, 130-4.	0.6	51
40	Evaluating the accuracy of amplicon-based microbiome computational pipelines on simulated human gut microbial communities. <i>BMC Bioinformatics</i> , 2017, 18, 283.	1.2	51
41	Efficacy of oral pre-exposure prophylaxis (PrEP) for HIV among women with abnormal vaginal microbiota: a post-hoc analysis of the randomised, placebo-controlled Partners PrEP Study. <i>Lancet HIV</i> , 2017, 4, e449-e456.	2.1	44
42	Complementing 16S rRNA Gene Amplicon Sequencing with Total Bacterial Load To Infer Absolute Species Concentrations in the Vaginal Microbiome. <i>MSystems</i> , 2020, 5, .	1.7	44
43	<i>Mageibacillus indolicus</i> gen. nov., sp. nov.: A novel bacterium isolated from the female genital tract. <i>Anaerobe</i> , 2015, 32, 37-42.	1.0	42
44	Changes in Vaginal Microbiota and Immune Mediators in HIV-1-Seronegative Kenyan Women Initiating Depot Medroxyprogesterone Acetate. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2016, 71, 359-366.	0.9	40
45	Butyrogenic bacteria after acute graft-versus-host disease (GVHD) are associated with the development of steroid-refractory GVHD. <i>Blood Advances</i> , 2019, 3, 2866-2869.	2.5	40
46	Comparison of oral and vaginal metronidazole for treatment of bacterial vaginosis in pregnancy: impact on fastidious bacteria. <i>BMC Infectious Diseases</i> , 2009, 9, 89.	1.3	39
47	Parallel detection of <i>Lactobacillus</i> and bacterial vaginosis-associated bacterial DNA in the chorioamnion and vagina of pregnant women at term. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 2702-2710.	0.7	38
48	Altered Biomarkers of Mucosal Immunity and Reduced Vaginal <i>Lactobacillus</i> Concentrations in Sexually Active Female Adolescents. <i>PLoS ONE</i> , 2012, 7, e40415.	1.1	37
49	Effect of Sexual Debut on Vaginal Microbiota in a Cohort of Young Women. <i>Obstetrics and Gynecology</i> , 2012, 120, 1306-1313.	1.2	36
50	First Trimester Levels of BV-Associated Bacteria and Risk of Miscarriage Among Women Early in Pregnancy. <i>Maternal and Child Health Journal</i> , 2015, 19, 2682-2687.	0.7	35
51	Tenofovir disoproxil fumarate intravaginal ring for HIV pre-exposure prophylaxis in sexually active women: a phase 1, single-blind, randomised, controlled trial. <i>Lancet HIV</i> , 2019, 6, e498-e508.	2.1	35
52	Urethral Microbiota in Men: Association of <i>Haemophilus influenzae</i> and <i>Mycoplasma penetrans</i> With Nongonococcal Urethritis. <i>Clinical Infectious Diseases</i> , 2021, 73, e1684-e1693.	2.9	35
53	Behavioral Predictors of Colonization with <i>Lactobacillus crispatus</i> or <i>Lactobacillus jensenii</i> after Treatment for Bacterial Vaginosis: A Cohort Study. <i>Infectious Diseases in Obstetrics and Gynecology</i> , 2012, 2012, 1-6.	0.4	34
54	Relationship of Specific Bacteria in the Cervical and Vaginal Microbiotas With Cervicitis. <i>Sexually Transmitted Diseases</i> , 2015, 42, 475-481.	0.8	33

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55	Associations between vaginal bacteria and levels of vaginal defensins in pregnant women. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 208, 132.e1-132.e7.	0.7	30
56	More Easily Cultivated Than Identified: Classical Isolation With Molecular Identification of Vaginal Bacteria. <i>Journal of Infectious Diseases</i> , 2016, 214, S21-S28.	1.9	30
57	Associations between improvement in genitourinary symptoms of menopause and changes in the vaginal ecosystem. <i>Menopause</i> , 2018, 25, 500-507.	0.8	28
58	A phase 1 randomized placebo-controlled safety and pharmacokinetic trial of a tenofovir disoproxil fumarate vaginal ring. <i>Aids</i> , 2016, 30, 743-751.	1.0	27
59	Impact of periodic presumptive treatment for bacterial vaginosis on the vaginal microbiome among women participating in the Preventing Vaginal Infections trial. <i>Journal of Infectious Diseases</i> , 2016, 215, jiw622.	1.9	27
60	Evaluation of Posaconazole Serum Concentrations from Delayed-Release Tablets in Patients at High Risk for Fungal Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	27
61	<i>Megasphaera lornae</i> sp. nov., <i>Megasphaera hutchinsoni</i> sp. nov., and <i>Megasphaera vaginalis</i> sp. nov.: novel bacteria isolated from the female genital tract. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, .	0.8	26
62	Phase I Randomized Safety Study of Twice Daily Dosing of Acidform Vaginal Gel: Candidate Antimicrobial Contraceptive. <i>PLoS ONE</i> , 2012, 7, e46901.	1.1	26
63	Antibiotic Exposure Prior to Respiratory Viral Infection Is Associated with Progression to Lower Respiratory Tract Disease in Allogeneic Hematopoietic Cell Transplant Recipients. <i>Biology of Blood and Marrow Transplantation</i> , 2018, 24, 2293-2301.	2.0	25
64	Enhanced fungal DNA-extraction from formalin-fixed, paraffin-embedded tissue specimens by application of thermal energy. <i>Medical Mycology</i> , 2012, 50, 667-672.	0.3	24
65	Seasonal clustering of sinopulmonary mucormycosis in patients with hematologic malignancies at a large comprehensive cancer center. <i>Antimicrobial Resistance and Infection Control</i> , 2017, 6, 123.	1.5	23
66	Detection of hydrogen peroxide-producing <i>Lactobacillus</i> species in the vagina: a comparison of culture and quantitative PCR among HIV-1 seropositive women. <i>BMC Infectious Diseases</i> , 2012, 12, 188.	1.3	22
67	PCR Analysis of <i>T. Whippelii</i> DNA in a Case of Whipple's Disease: Effect of Antibiotics and Correlation With Histology. <i>American Journal of Gastroenterology</i> , 1998, 93, 1579-1582.	0.2	21
68	Optimizing bacterial DNA extraction in urine. <i>PLoS ONE</i> , 2019, 14, e0222962.	1.1	21
69	Association between vaginal washing and vaginal bacterial concentrations. <i>PLoS ONE</i> , 2019, 14, e0210825.	1.1	21
70	Associations between vaginal bacteria implicated in HIV acquisition risk and proinflammatory cytokines and chemokines. <i>Sexually Transmitted Infections</i> , 2020, 96, 3-9.	0.8	21
71	Specific Vaginal Bacteria Are Associated With an Increased Risk of <i>Trichomonas vaginalis</i> Acquisition in Women. <i>Journal of Infectious Diseases</i> , 2019, 220, 1503-1510.	1.9	20
72	Human gut microbiota is associated with HIV-reactive immunoglobulin at baseline and following HIV vaccination. <i>PLoS ONE</i> , 2019, 14, e0225622.	1.1	20

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73	Molecular Identification of an Invasive Gingival Bacterial Community. <i>Clinical Infectious Diseases</i> , 2005, 41, e1-e4.	2.9	19
74	Presence and Concentrations of Select Bacterial Vaginosis-Associated Bacteria Are Associated With Increased Risk of Pelvic Inflammatory Disease. <i>Sexually Transmitted Diseases</i> , 2020, 47, 344-346.	0.8	18
75	Association between postmenopausal vulvovaginal discomfort, vaginal microbiota, and mucosal inflammation. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 159.e1-159.e15.	0.7	18
76	Diagnosis of infectious diseases in immunocompromised hosts using metagenomic next generation sequencing-based diagnostics. <i>Blood Reviews</i> , 2022, 53, 100906.	2.8	17
77	Disseminated coccidioidomycosis presenting with intramedullary spinal cord abscesses: Management challenges. <i>Medical Mycology Case Reports</i> , 2017, 15, 1-4.	0.7	16
78	Impact of preconception vaginal microbiota on women's risk of spontaneous preterm birth: protocol for a prospective case-cohort study. <i>BMJ Open</i> , 2020, 10, e035186.	0.8	16
79	Vaginal Microbiota and Mucosal Immune Markers in Women With Vulvovaginal Discomfort. <i>Sexually Transmitted Diseases</i> , 2020, 47, 269-274.	0.8	13
80	Changes in key vaginal bacteria among postpartum African women initiating intramuscular depot-medroxyprogesterone acetate. <i>PLoS ONE</i> , 2020, 15, e0229586.	1.1	13
81	Association between vaginal washing and detection of <i>Lactobacillus</i> by culture and quantitative PCR in HIV-seronegative Kenyan women: a cross-sectional analysis. <i>Sexually Transmitted Infections</i> , 2019, 95, 455-461.	0.8	12
82	Relationship of Selected Bacterial Vaginosis-Associated Bacteria to Nugent Score Bacterial Vaginosis Among Urban Women Early in Pregnancy. <i>Sexually Transmitted Diseases</i> , 2013, 40, 721-723.	0.8	11
83	Human Herpesvirus 8 and Sarcoidosis. <i>Clinical Infectious Diseases</i> , 2002, 34, 559-560.	2.9	10
84	Vaginal and Extra-Vaginal Bacterial Colonization and Risk for Incident Bacterial Vaginosis in a Population of Women Who Have Sex With Men. <i>Journal of Infectious Diseases</i> , 2022, 225, 1261-1265.	1.9	10
85	Association Between Vaginal Bacterial Microbiota and Vaginal Yeast Colonization. <i>Journal of Infectious Diseases</i> , 2021, 223, 914-923.	1.9	10
86	Differences in Vaginal Microbiota, Host Transcriptome, and Proteins in Women With Bacterial Vaginosis Are Associated With Metronidazole Treatment Response. <i>Journal of Infectious Diseases</i> , 2021, 224, 2094-2104.	1.9	10
87	Impact of Topical Interventions on the Vaginal Microbiota and Metabolome in Postmenopausal Women. <i>JAMA Network Open</i> , 2022, 5, e225032.	2.8	10
88	Cross-sectional study of urethral exposures at last sexual episode associated with non-gonococcal urethritis among STD clinic patients. <i>Sexually Transmitted Infections</i> , 2019, 95, 212-218.	0.8	9
89	Mechanisms of Endogenous HIV-1 Reactivation by Endocervical Epithelial Cells. <i>Journal of Virology</i> , 2020, 94, .	1.5	9
90	Associations Between Vaginal Bacteria and Bacterial Vaginosis Signs and Symptoms: A Comparative Study of Kenyan and American Women. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 801770.	1.8	9

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91	Primary Syphilis in the Male Urethra: A Case Report. <i>Clinical Infectious Diseases</i> , 2019, 68, 1231-1234.	2.9	8
92	Semen Bacterial Concentrations and HIV-1 RNA Shedding Among HIV-1 Seropositive Kenyan Men. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2017, 74, 250-257.	0.9	7
93	Resolution of Symptoms and Resumption of Sex After Diagnosis of Nongonococcal Urethritis Among Men Who Have Sex With Men. <i>Sexually Transmitted Diseases</i> , 2019, 46, 676-682.	0.8	7
94	Bacterial Communities Associated With Abnormal Nugent Score in Postmenopausal Versus Premenopausal Women. <i>Journal of Infectious Diseases</i> , 2021, 223, 2048-2052.	1.9	7
95	Vaginal Bacteria and Risk of Incident and Persistent Infection With High-Risk Subtypes of Human Papillomavirus: A Cohort Study Among Kenyan Women. <i>Sexually Transmitted Diseases</i> , 2021, 48, 499-507.	0.8	6
96	Influence of Intramuscular Depot Medroxyprogesterone Acetate Initiation on Vaginal Microbiota in the Postpartum Period. <i>Clinical Infectious Diseases</i> , 2021, 72, e1093-e1102.	2.9	6
97	Tissue Diagnosis of Invasive Fungal Infections: Current Limitations and the Emerging Use of Molecular Techniques. <i>Current Fungal Infection Reports</i> , 2012, 6, 221-228.	0.9	3
98	Genetic Variation in Toll-Like Receptor 5 and Colonization with Flagellated Bacterial Vaginosis-Associated Bacteria. <i>Infection and Immunity</i> , 2021, 89, .	1.0	3
99	Bacterial Vaginosis-Associated Bacteria. , 2015, , 1487-1496.		2
100	Stability of <i>Chlamydia trachomatis</i> RNA after long-term biobank storage. <i>Sexually Transmitted Infections</i> , 2019, 95, 551-551.	0.8	2
101	Evidence in Microbiome Science: Standards for the Field (and Laboratory). <i>Clinical Infectious Diseases</i> , 2021, 72, 1514-1516.	2.9	2
102	Impact of Intestinal Microbiota on Reconstitution of Mucosal-Associated Invariant T Cells after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Blood</i> , 2018, 132, 3393-3393.	0.6	1
103	Molecular Mycology and Emerging Fungal Pathogens. <i>Infectious Disease and Therapy</i> , 2007, , 375-394.	0.0	1
104	Serum Concentrations of Posaconazole (PCZ) With Delayed-Release Tablets (DRT) in High-Risk Patients. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.4	0
105	Human Microbiome Dynamics: Causality Detection With Convergent Cross Mapping. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.4	0
106	Sequence-Based Methods for Investigating Intestinal Microbes. , 0, , 113-119.		0