

Melissa M Herbst-Kralovetz

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,738
citations

186209

28
h-index

206029

48
g-index

50
all docs

50
docs citations

50
times ranked

4343
citing authors

#	ARTICLE	IF	CITATIONS
1	Estrogen-gut microbiome axis: Physiological and clinical implications. <i>Maturitas</i> , 2017, 103, 45-53.	1.0	485
2	Organotypic 3D cell culture models: using the rotating wall vessel to study host-pathogen interactions. <i>Nature Reviews Microbiology</i> , 2010, 8, 791-801.	13.6	257
3	Bacteria in the Vaginal Microbiome Alter the Innate Immune Response and Barrier Properties of the Human Vaginal Epithelia in a Species-Specific Manner. <i>Journal of Infectious Diseases</i> , 2014, 209, 1989-1999.	1.9	240
4	Uterine Microbiota: Residents, Tourists, or Invaders?. <i>Frontiers in Immunology</i> , 2018, 9, 208.	2.2	227
5	Menopause and the vaginal microbiome. <i>Maturitas</i> , 2016, 91, 42-50.	1.0	224
6	The microbiome and gynaecological cancer development, prevention and therapy. <i>Nature Reviews Urology</i> , 2020, 17, 232-250.	1.9	194
7	Antimicrobial peptides in the female reproductive tract: a critical component of the mucosal immune barrier with physiological and clinical implications. <i>Human Reproduction Update</i> , 2015, 21, 353-377.	5.2	159
8	Linking cervicovaginal immune signatures, HPV and microbiota composition in cervical carcinogenesis in non-Hispanic and Hispanic women. <i>Scientific Reports</i> , 2018, 8, 7593.	1.6	155
9	Deciphering the complex interplay between microbiota, HPV, inflammation and cancer through cervicovaginal metabolic profiling. <i>EBioMedicine</i> , 2019, 44, 675-690.	2.7	142
10	ORIGINAL ARTICLE: Quantification and Comparison of Toll-Like Receptor Expression and Responsiveness in Primary and Immortalized Human Female Lower Genital Tract Epithelia. <i>American Journal of Reproductive Immunology</i> , 2008, 59, 212-224.	1.2	123
11	The vaginal and gastrointestinal microbiomes in gynecologic cancers: A review of applications in etiology, symptoms and treatment. <i>Gynecologic Oncology</i> , 2015, 138, 190-200.	0.6	108
12	Host-vaginal microbiota interactions in the pathogenesis of bacterial vaginosis. <i>Current Opinion in Infectious Diseases</i> , 2020, 33, 59-65.	1.3	97
13	Development and Characterization of a Three-Dimensional Organotypic Human Vaginal Epithelial Cell Model. <i>Biology of Reproduction</i> , 2010, 82, 617-627.	1.2	87
14	Intranasal delivery of Norwalk virus-like particles formulated in an in situ gelling, dry powder vaccine. <i>Vaccine</i> , 2011, 29, 5221-5231.	1.7	83
15	The role of gut and genital microbiota and the estrobolome in endometriosis, infertility and chronic pelvic pain. <i>Human Reproduction Update</i> , 2021, 28, 92-131.	5.2	78
16	A nonreplicating subunit vaccine protects mice against lethal Ebola virus challenge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20695-20700.	3.3	73
17	Human Three-Dimensional Endometrial Epithelial Cell Model To Study Host Interactions with Vaginal Bacteria and Neisseria gonorrhoeae. <i>Infection and Immunity</i> , 2017, 85, .	1.0	72
18	Microbiota-drug interactions: Impact on metabolism and efficacy of therapeutics. <i>Maturitas</i> , 2018, 112, 53-63.	1.0	71

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19	Features of the cervicovaginal microenvironment drive cancer biomarker signatures in patients across cervical carcinogenesis. <i>Scientific Reports</i> , 2019, 9, 7333.	1.6	70
20	Lack of Norovirus Replication and Histo-Blood Group Antigen Expression in 3-Dimensional Intestinal Epithelial Cells. <i>Emerging Infectious Diseases</i> , 2013, 19, 431-438.	2.0	69
21	Quantification of Poly(I:C)-Mediated Protection against Genital Herpes Simplex Virus Type 2 Infection. <i>Journal of Virology</i> , 2006, 80, 9988-9997.	1.5	67
22	Microbial Products Alter the Expression of Membrane-Associated Mucin and Antimicrobial Peptides in a Three-Dimensional Human Endocervical Epithelial Cell Model. <i>Biology of Reproduction</i> , 2012, 87, 132.	1.2	67
23	Culturing and Applications of Rotating Wall Vessel Bioreactor Derived 3D Epithelial Cell Models. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	51
24	An Intranasally Delivered Toll-Like Receptor 7 Agonist Elicits Robust Systemic and Mucosal Responses to Norwalk Virus-Like Particles. <i>Vaccine Journal</i> , 2010, 17, 1850-1858.	3.2	45
25	Bacterial vaginosis and health-associated bacteria modulate the immunometabolic landscape in 3D model of human cervix. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 88.	2.9	42
26	New Systems for Studying Intercellular Interactions in Bacterial Vaginosis. <i>Journal of Infectious Diseases</i> , 2016, 214, S6-S13.	1.9	41
27	Intranasal Vaccination with Murabutide Enhances Humoral and Mucosal Immune Responses to a Virus-Like Particle Vaccine. <i>PLoS ONE</i> , 2012, 7, e41529.	1.1	41
28	Three-Dimensional Rotating Wall Vessel-Derived Cell Culture Models for Studying Virus-Host Interactions. <i>Viruses</i> , 2016, 8, 304.	1.5	36
29	IL-36 ^β Augments Host Defense and Immune Responses in Human Female Reproductive Tract Epithelial Cells. <i>Frontiers in Microbiology</i> , 2016, 7, 955.	1.5	32
30	Personal and Clinical Vaginal Lubricants: Impact on Local Vaginal Microenvironment and Implications for Epithelial Cell Host Response and Barrier Function. <i>Journal of Infectious Diseases</i> , 2019, 220, 2009-2018.	1.9	29
31	TLR7 and 9 agonists are highly effective mucosal adjuvants for norovirus virus-like particle vaccines. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 410-416.	1.4	27
32	Norovirus Narita 104 Virus-Like Particles Expressed in <i>Nicotiana benthamiana</i> Induce Serum and Mucosal Immune Responses. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	26
33	Veillonellaceae family members uniquely alter the cervical metabolic microenvironment in a human three-dimensional epithelial model. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 57.	2.9	25
34	Interleukin-36 ^β Is Elevated in Cervicovaginal Epithelial Cells in Women With Bacterial Vaginosis and In Vitro After Infection With Microbes Associated With Bacterial Vaginosis. <i>Journal of Infectious Diseases</i> , 2020, 221, 983-988.	1.9	24
35	Members of <i>Prevotella</i> Genus Distinctively Modulate Innate Immune and Barrier Functions in a Human Three-Dimensional Endometrial Epithelial Cell Model. <i>Journal of Infectious Diseases</i> , 2020, 222, 2082-2092.	1.9	21
36	Multi-omics data integration reveals metabolome as the top predictor of the cervicovaginal microenvironment. <i>PLoS Computational Biology</i> , 2022, 18, e1009876.	1.5	21

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37	IL-36 ¹ induces a transient HSV-2 resistant environment that protects against genital disease and pathogenesis. <i>Cytokine</i> , 2018, 111, 63-71.	1.4	19
38	Vaginal microbiota, genital inflammation, and neoplasia impact immune checkpoint protein profiles in the cervicovaginal microenvironment. <i>Npj Precision Oncology</i> , 2020, 4, 22.	2.3	18
39	3D Oral and Cervical Tissue Models for Studying Papillomavirus Host-Pathogen Interactions. <i>Current Protocols in Microbiology</i> , 2020, 59, e129.	6.5	16
40	Cervicovaginal DNA Virome Alterations Are Associated with Genital Inflammation and Microbiota Composition. <i>MSystems</i> , 2022, 7, e0006422.	1.7	14
41	IL-36 ¹ Is a Key Regulator of Neutrophil Infiltration in the Vaginal Microenvironment and Limits Neuroinvasion in Genital HSV-2 Infection. <i>Journal of Immunology</i> , 2019, 203, 2655-2664.	0.4	11
42	Clinical and Personal Lubricants Impact the Growth of Vaginal Lactobacillus Species and Colonization of Vaginal Epithelial Cells: An in Vitro Study. <i>Sexually Transmitted Diseases</i> , 2021, 48, 63-70.	0.8	11
43	Connecting microbiome and menopause for healthy ageing. <i>Nature Microbiology</i> , 2022, 7, 354-358.	5.9	11
44	Designing Inclusive HPV Cancer Vaccines and Increasing Uptake among Native Americans—A Cultural Perspective Review. <i>Current Oncology</i> , 2021, 28, 3705-3716.	0.9	10
45	Immunometabolic Analysis of <i>Mobiluncus mulieris</i> and <i>Eggerthella</i> sp. Reveals Novel Insights Into Their Pathogenic Contributions to the Hallmarks of Bacterial Vaginosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 759697.	1.8	6
46	Analysis of Host Responses to <i>Neisseria gonorrhoeae</i> Using a Human Three-Dimensional Endometrial Epithelial Cell Model. <i>Methods in Molecular Biology</i> , 2019, 1997, 347-361.	0.4	5
47	Chronic immune barrier dysregulation among women with a history of violence victimization. <i>JCI Insight</i> , 2019, 4, .	2.3	4
48	Overcoming barriers in the mucosal delivery of virus-like particle-based vaccines. <i>Therapeutic Delivery</i> , 2014, 5, 741-744.	1.2	3
49	Abstract A094: Integrative multi-omics approach reveals complex interplay between HPV, host and microbiome during cervical carcinogenesis in Hispanic and non-Hispanic women. , 2020, , .		0