Melissa M Herbst-Kralovetz

List of Publications by Year
in descending order

49 papers	3,738 citations	186265 28 h-index	206112 48 g-index
50 all docs	50 docs citations	50 times ranked	4343 citing authors

#	Article	IF	Citations
1	Estrogenâ€“gut microbiome axis: Physiological and clinical implications. Maturitas, 2017, 103, 45-53.	2.4	485
2	Organotypic 3D cell culture models: using the rotating wall vessel to study hostâ€“pathogen interactions. Nature Reviews Microbiology, 2010, 8, 791-801.	28.6	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. Journal of Infectious Diseases, 2014, 209, 1989-1999.	4.0	240
4	Uterine Microbiota: Residents, Tourists, or Invaders?. Frontiers in Immunology, 2018, 9, 208.	4.8	227
5	Menopause and the vaginal microbiome. Maturitas, 2016, 91, 42-50.	2.4	224
6	The microbiome and gynaecological cancer development, prevention and therapy. Nature Reviews Urology, 2020, 17, 232-250.	3.8	194
7	Antimicrobial peptides in the female reproductive tract: a critical component of the mucosal immune barrier with physiological and clinical implications. Human Reproduction Update, 2015, 21, 353-377.	10.8	159
8	Linking cervicovaginal immune signatures, HPV and microbiota composition in cervical carcinogenesis in non-Hispanic and Hispanic women. Scientific Reports, 2018, 8, 7593.	3.3	155
9	Deciphering the complex interplay between microbiota, HPV, inflammation and cancer through cervicovaginal metabolic profiling. EBioMedicine, 2019, 44, 675-690.	6.1	142
10	ORIGINAL ARTICLE: Quantification and Comparison of Tollâ€Like Receptor Expression and Responsiveness in Primary and Immortalized Human Female Lower Genital Tract Epithelia. American Journal of Reproductive Immunology, 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. Gynecologic Oncology, 2015, 138, 190-200.	1.4	108
12	Hostâ€“vaginal microbiota interactions in the pathogenesis of bacterial vaginosis. Current Opinion in Infectious Diseases, 2020, 33, 59-65.	3.1	97
13	Development and Characterization of a Three-Dimensional Organotypic Human Vaginal Epithelial Cell Model1. Biology of Reproduction, 2010, 82, 617-627.	2.7	87
14	Intranasal delivery of Norwalk virus-like particles formulated in an in situ gelling, dry powder vaccine. Vaccine, 2011, 29, 5221-5231.	3.8	83
15	The role of gut and genital microbiota and the estrobolome in endometriosis, infertility and chronic pelvic pain. Human Reproduction Update, 2021, 28, 92-131.	10.8	78
16	A nonreplicating subunit vaccine protects mice against lethal Ebola virus challenge. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20695-20700.	7.1	73
17	Human Three-Dimensional Endometrial Epithelial Cell Model To Study Host Interactions with Vaginal Bacteria and Neisseria gonorrhoeae. Infection and Immunity, 2017, 85, .	2.2	72
18	Microbiotaâ€“drug interactions: Impact on metabolism and efficacy of therapeutics. Maturitas, 2018, 112, 53-63.	2.4	71

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19	Features of the cervicovaginal microenvironment drive cancer biomarker signatures in patients across cervical carcinogenesis. Scientific Reports, 2019, 9, 7333.	3.3	70
20	Lack of Norovirus Replication and Histo-Blood Group Antigen Expression in 3-Dimensional Intestinal Epithelial Cells. Emerging Infectious Diseases, 2013, 19, 431-438.	4.3	69
21	Quantification of Poly(I:C)-Mediated Protection against Genital Herpes Simplex Virus Type 2 Infection. Journal of Virology, 2006, 80, 9988-9997.	3.4	67
22	Microbial Products Alter the Expression of Membrane-Associated Mucin and Antimicrobial Peptides in a Three-Dimensional Human Endocervical Epithelial Cell Model1. Biology of Reproduction, 2012, 87, 132.	2.7	67
23	Culturing and Applications of Rotating Wall Vessel Bioreactor Derived 3D Epithelial Cell Models. Journal of Visualized Experiments, 2012, , .	0.3	51
24	An Intranasally Delivered Toll-Like Receptor 7 Agonist Elicits Robust Systemic and Mucosal Responses to Norwalk Virus-Like Particles. Vaccine Journal, 2010, 17, 1850-1858.	3.1	45
25	Bacterial vaginosis and health-associated bacteria modulate the immunometabolic landscape in 3D model of human cervix. Npj Biofilms and Microbiomes, 2021, 7, 88.	6.4	42
26	New Systems for Studying Intercellular Interactions in Bacterial Vaginosis. Journal of Infectious Diseases, 2016, 214, S6-S13.	4.0	41
27	Intranasal Vaccination with Murabutide Enhances Humoral and Mucosal Immune Responses to a Virus-Like Particle Vaccine. PLoS ONE, 2012, 7, e41529.	2.5	41
28	Three-Dimensional Rotating Wall Vessel-Derived Cell Culture Models for Studying Virus-Host Interactions. Viruses, 2016, 8, 304.	3.3	36
29	IL-36Î³ Augments Host Defense and Immune Responses in Human Female Reproductive Tract Epithelial Cells. Frontiers in Microbiology, 2016, 7, 955.	3.5	32
30	Personal and Clinical Vaginal Lubricants: Impact on Local Vaginal Microenvironment and Implications for Epithelial Cell Host Response and Barrier Function. Journal of Infectious Diseases, 2019, 220, 2009-2018.	4.0	29
31	TLR7 and 9 agonists are highly effective mucosal adjuvants for norovirus virus-like particle vaccines. Human Vaccines and Immunotherapeutics, 2014, 10, 410-416.	3.3	27
32	Norovirus Narita 104 Virus-Like Particles Expressed inNicotiana benthamianaInduce Serum and Mucosal Immune Responses. BioMed Research International, 2014, 2014, 1-9.	1.9	26
33	Veillonellaceae family members uniquely alter the cervical metabolic microenvironment in a human three-dimensional epithelial model. Npj Biofilms and Microbiomes, 2021, 7, 57.	6.4	25
34	Interleukin-36Î³ Is Elevated in Cervicovaginal Epithelial Cells in Women With Bacterial Vaginosis and In Vitro After Infection With Microbes Associated With Bacterial Vaginosis. Journal of Infectious Diseases, 2020, 221, 983-988.	4.0	24
35	Members of Prevotella Genus Distinctively Modulate Innate Immune and Barrier Functions in a Human Three-Dimensional Endometrial Epithelial Cell Model. Journal of Infectious Diseases, 2020, 222, 2082-2092.	4.0	21
36	Multi-omics data integration reveals metabolome as the top predictor of the cervicovaginal microenvironment. PLoS Computational Biology, 2022, 18, e1009876.	3.2	21

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37	IL-36Î³ induces a transient HSV-2 resistant environment that protects against genital disease and pathogenesis. Cytokine, 2018, 111, 63-71.	3.2	19
38	Vaginal microbiota, genital inflammation, and neoplasia impact immune checkpoint protein profiles in the cervicovaginal microenvironment. Npj Precision Oncology, 2020, 4, 22.	5.4	18
39	3D Oral and Cervical Tissue Models for Studying Papillomavirus Hostâ€Pathogen Interactions. Current Protocols in Microbiology, 2020, 59, e129.	6.5	16
40	Cervicovaginal DNA Virome Alterations Are Associated with Genital Inflammation and Microbiota Composition. MSystems, 2022, 7, e0006422.	3.8	14
41	IL-36Î³ Is a Key Regulator of Neutrophil Infiltration in the Vaginal Microenvironment and Limits Neuroinvasion in Genital HSV-2 Infection. Journal of Immunology, 2019, 203, 2655-2664.	0.8	11
42	Clinical and Personal Lubricants Impact the Growth of Vaginal Lactobacillus Species and Colonization of Vaginal Epithelial Cells: An in Vitro Study. Sexually Transmitted Diseases, 2021, 48, 63-70.	1.7	11
43	Connecting microbiome and menopause for healthy ageing. Nature Microbiology, 2022, 7, 354-358.	13.3	11
44	Designing Inclusive HPV Cancer Vaccines and Increasing Uptake among Native Americansâ€”A Cultural Perspective Review. Current Oncology, 2021, 28, 3705-3716.	2.2	10
45	Immunometabolic Analysis of Mobiluncus mulieris and Eggerthella sp. Reveals Novel Insights Into Their Pathogenic Contributions to the Hallmarks of Bacterial Vaginosis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 759697.	3.9	6
46	Analysis of Host Responses to Neisseria gonorrhoeae Using a Human Three-Dimensional Endometrial Epithelial Cell Model. Methods in Molecular Biology, 2019, 1997, 347-361.	0.9	5
47	Chronic immune barrier dysregulation among women with a history of violence victimization. JCI Insight, 2019, 4, .	5.0	4
48	Overcoming barriers in the mucosal delivery of virus-like particle-based vaccines. Therapeutic Delivery, 2014, 5, 741-744.	2.2	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