

Charu Kaushic

List of Publications by Year in descending order

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84
papers

3,912
citations

117453

34
h-index

133063

59
g-index

87
all docs

87
docs citations

87
times ranked

4567
citing authors

#	ARTICLE	IF	CITATIONS
1	Exposure to HIV-1 Directly Impairs Mucosal Epithelial Barrier Integrity Allowing Microbial Translocation. <i>PLoS Pathogens</i> , 2010, 6, e1000852.	2.1	488
2	Progesterone Increases Susceptibility and Decreases Immune Responses to Genital Herpes Infection. <i>Journal of Virology</i> , 2003, 77, 4558-4565.	1.5	210
3	The Evolving Facets of Bacterial Vaginosis: Implications for HIV Transmission. <i>AIDS Research and Human Retroviruses</i> , 2019, 35, 219-228.	0.5	188
4	Influenza Infection Leads to Increased Susceptibility to Subsequent Bacterial Superinfection by Impairing NK Cell Responses in the Lung. <i>Journal of Immunology</i> , 2010, 184, 2048-2056.	0.4	185
5	Effects of Estradiol and Progesterone on Susceptibility and Early Immune Responses to <i>Chlamydia trachomatis</i> Infection in the Female Reproductive Tract. <i>Infection and Immunity</i> , 2000, 68, 4207-4216.	1.0	131
6	HIV-1 gp120 Induces TLR2- and TLR4-Mediated Innate Immune Activation in Human Female Genital Epithelium. <i>Journal of Immunology</i> , 2013, 191, 4246-4258.	0.4	124
7	Prolonged Exposure to Progesterone Prevents Induction of Protective Mucosal Responses following Intravaginal Immunization with Attenuated Herpes Simplex Virus Type 2. <i>Journal of Virology</i> , 2003, 77, 9845-9851.	1.5	114
8	Hormonal Contraception and HIV-1 Acquisition: Biological Mechanisms. <i>Endocrine Reviews</i> , 2018, 39, 36-78.	8.9	97
9	Increased prevalence of sexually transmitted viral infections in women: the role of female sex hormones in regulating susceptibility and immune responses. <i>Journal of Reproductive Immunology</i> , 2011, 88, 204-209.	0.8	96
10	Influence of the Estrous Cycle on the Presence and Distribution of Immune Cells in the Rat Reproductive Tract. <i>American Journal of Reproductive Immunology</i> , 1998, 39, 209-216.	1.2	93
11	Suppressive and Gut-Reparative Functions of Human Type 1 T Regulatory Cells. <i>Gastroenterology</i> , 2019, 157, 1584-1598.	0.6	81
12	Estradiol Regulates Susceptibility following Primary Exposure to Genital Herpes Simplex Virus Type 2, while Progesterone Induces Inflammation. <i>Journal of Virology</i> , 2005, 79, 3107-3116.	1.5	80
13	The Anti-Inflammatory Activity of Curcumin Protects the Genital Mucosal Epithelial Barrier from Disruption and Blocks Replication of HIV-1 and HSV-2. <i>PLoS ONE</i> , 2015, 10, e0124903.	1.1	78
14	Innate and adaptive immune responses in male and female reproductive tracts in homeostasis and following HIV infection. <i>Cellular and Molecular Immunology</i> , 2014, 11, 410-427.	4.8	75
15	The relationship between sex hormones, the vaginal microbiome and immunity in HIV-1 susceptibility in women. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	1.2	75
16	Protection against Genital Herpes Infection in Mice Immunized under Different Hormonal Conditions Correlates with Induction of Vagina-Associated Lymphoid Tissue. <i>Journal of Virology</i> , 2005, 79, 3117-3126.	1.5	74
17	Antigen-Presenting Cells in the Female Reproductive Tract: Influence of Estradiol on Antigen Presentation by Vaginal Cells. <i>Endocrinology</i> , 2000, 141, 2877-2885.	1.4	70
18	<i>Chlamydia trachomatis</i> Infection in the Female Reproductive Tract of the Rat: Influence of Progesterone on Infectivity and Immune Response. <i>Infection and Immunity</i> , 1998, 66, 893-898.	1.0	67

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19	Long COVID: tackling a multifaceted condition requires a multidisciplinary approach. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 601-602.	4.6	66
20	Susceptibility of Human Female Primary Genital Epithelial Cells to Herpes Simplex Virus, Type-2 and the Effect of TLR3 Ligand and Sex Hormones on Infection. <i>Biology of Reproduction</i> , 2007, 77, 1049-1059.	1.2	56
21	Envisioning Women-Centered HIV Care: Perspectives from Women Living with HIV in Canada. <i>Women's Health Issues</i> , 2017, 27, 721-730.	0.9	56
22	Estradiol Enhances CD4+ T-Cell Anti-Viral Immunity by Priming Vaginal DCs to Induce Th17 Responses via an IL-1-Dependent Pathway. <i>PLoS Pathogens</i> , 2016, 12, e1005589.	2.1	55
23	HIV Infection in the Female Reproductive Tract: Role of Interactions between HIV and Genital Epithelial Cells. <i>American Journal of Reproductive Immunology</i> , 2011, 65, 253-260.	1.2	53
24	Differential induction of innate anti-viral responses by TLR ligands against Herpes simplex virus, type 2, infection in primary genital epithelium of women. <i>Antiviral Research</i> , 2009, 81, 103-112.	1.9	50
25	Impact of Standard Bacterial Vaginosis Treatment on the Genital Microbiota, Immune Milieu, and Ex Vivo Human Immunodeficiency Virus Susceptibility. <i>Clinical Infectious Diseases</i> , 2019, 68, 1675-1683.	2.9	50
26	Novel Role for Interleukin-17 in Enhancing Type 1 Helper T Cell Immunity in the Female Genital Tract following Mucosal Herpes Simplex Virus 2 Vaccination. <i>Journal of Virology</i> , 2017, 91, .	1.5	48
27	Role of sex hormones and the vaginal microbiome in susceptibility and mucosal immunity to HIV-1 in the female genital tract. <i>AIDS Research and Therapy</i> , 2017, 14, 39.	0.7	45
28	Polymeric Immunoglobulin (Ig) Receptor Production and IgA Transcytosis in Polarized Primary Cultures of Mature Rat Uterine Epithelial Cells. <i>Biology of Reproduction</i> , 1995, 53, 488-498.	1.2	43
29	REVIEW ARTICLE: HIV Infection in the Female Genital Tract: Discrete Influence of the Local Mucosal Microenvironment. <i>American Journal of Reproductive Immunology</i> , 2010, 63, 566-575.	1.2	41
30	Endometrial Epithelial Cell Responses to Coinfecting Viral and Bacterial Pathogens in the Genital Tract Can Activate the HIV-1 LTR in an NF- κ B- and AP-1-Dependent Manner. <i>Journal of Infectious Diseases</i> , 2011, 204, 299-308.	1.9	41
31	Intranasal and subcutaneous immunization under the effect of estradiol leads to better protection against genital HSV-2 challenge compared to progesterone. <i>Vaccine</i> , 2008, 26, 6165-6172.	1.7	40
32	Curcumin Can Decrease Tissue Inflammation and the Severity of HSV-2 Infection in the Female Reproductive Mucosa. <i>International Journal of Molecular Sciences</i> , 2020, 21, 337.	1.8	39
33	Association of high-risk sexual behaviour with diversity of the vaginal microbiota and abundance of <i>Lactobacillus</i> . <i>PLoS ONE</i> , 2017, 12, e0187612.	1.1	38
34	Polymeric Immunoglobulin a Receptor in the Rodent Female Reproductive Tract: Influence of Estradiol in the Vagina and Differential Expression of Messenger Ribonucleic Acid during Estrous Cycle. <i>Biology of Reproduction</i> , 1997, 57, 958-966.	1.2	36
35	IgA potentiates NETosis in response to viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	35
36	Medroxyprogesterone Acetate Regulates HIV-1 Uptake and Transcytosis but Not Replication in Primary Genital Epithelial Cells, Resulting in Enhanced T-Cell Infection. <i>Journal of Infectious Diseases</i> , 2015, 211, 1745-1756.	1.9	34

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37	Influence of Common Mucosal Co-factors on HIV Infection in the Female Genital Tract. American Journal of Reproductive Immunology, 2014, 71, 543-554.	1.2	32
38	HSV-2 vaccine: Current state and insights into development of a vaccine that targets genital mucosal protection. Microbial Pathogenesis, 2013, 58, 45-54.	1.3	30
39	Endometrial epithelial cell response to semen from HIV-infected men during different stages of infection is distinct and can drive HIV-1-long terminal repeat. Aids, 2012, 26, 27-36.	1.0	29
40	CD11b+ Dendritic Cell-Mediated Anti-Mycobacterium tuberculosis Th1 Activation Is Counterregulated by CD103+ Dendritic Cells via IL-10. Journal of Immunology, 2018, 200, 1746-1760.	0.4	29
41	Specific Binding to Differentially Expressed Human Carcinoembryonic Antigen-Related Cell Adhesion Molecules Determines the Outcome of Neisseria gonorrhoeae Infections along the Female Reproductive Tract. Infection and Immunity, 2018, 86, .	1.0	29
42	Medroxyprogesterone acetate alters the vaginal microbiota and microenvironment in a Kenyan sex worker cohort and is also associated with increased susceptibility to HIV-1 in humanized mice. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	28
43	Estradiol regulation of secretory component: Expression by rat uterine epithelial cells. Journal of Steroid Biochemistry and Molecular Biology, 1993, 47, 143-in4.	1.2	27
44	The role of the local microenvironment in regulating susceptibility and immune responses to sexually transmitted viruses in the female genital tract. Journal of Reproductive Immunology, 2009, 83, 168-172.	0.8	27
45	Effects of Female Sex Hormones on Susceptibility to HSV-2 in Vaginal Cells Grown in Air-Liquid Interface. Viruses, 2016, 8, 241.	1.5	27
46	Antimicrobial resistance research in a post-pandemic world: Insights on antimicrobial resistance research in the COVID-19 pandemic. Journal of Global Antimicrobial Resistance, 2021, 25, 5-7.	0.9	27
47	Mucosal Immunity in the Female Reproductive Tract: Effect of Sex Hormones on Immune Recognition and Responses. , 1996, , 375-388.		27
48	High Physiological Concentrations of Progesterone Reverse Estradiol-Mediated Changes in Differentiation and Functions of Bone Marrow Derived Dendritic Cells. PLoS ONE, 2016, 11, e0153304.	1.1	27
49	Infection of Polarized Primary Epithelial Cells from Rat Uterus with Chlamydia trachomatis : Cell-Cell Interaction and Cytokine Secretion. American Journal of Reproductive Immunology, 2000, 44, 73-79.	1.2	23
50	Primary human epithelial cell culture system for studying interactions between female upper genital tract and sexually transmitted viruses, HSV-2 and HIV-1. Methods, 2011, 55, 114-121.	1.9	23
51	Expression of Toll-like receptors in murine vaginal epithelium is affected by the estrous cycle and stromal cells. Journal of Reproductive Immunology, 2007, 75, 106-119.	0.8	21
52	Priorities for COVID-19 research response and preparedness in low-resource settings. Lancet, The, 2021, 397, 1866-1868.	6.3	21
53	IL-17 Production by $\gamma\delta$ T Cells Is Critical for Inducing Th17 Responses in the Female Genital Tract and Regulated by Estradiol and Microbiota. ImmunoHorizons, 2019, 3, 317-330.	0.8	21
54	MicroRNA-155 Is Required for Clearance of Streptococcus pneumoniae from the Nasopharynx. Infection and Immunity, 2014, 82, 4824-4833.	1.0	20

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55	Advances in Humanized Mouse Models to Improve Understanding of HIV-1 Pathogenesis and Immune Responses. <i>Frontiers in Immunology</i> , 2020, 11, 617516.	2.2	20
56	Immunization with chlamydial type III secretion antigens reduces vaginal shedding and prevents fallopian tube pathology following live <i>C. muridarum</i> challenge. <i>Vaccine</i> , 2016, 34, 3979-3985.	1.7	18
57	Protective Effect of Probiotic Bacteria and Estrogen in Preventing HIV-1-Mediated Impairment of Epithelial Barrier Integrity in Female Genital Tract. <i>Cells</i> , 2019, 8, 1120.	1.8	16
58	A Birth Control Vaccine is on the Horizon for Family Planning. <i>Annals of Medicine</i> , 1993, 25, 207-212.	1.5	15
59	Considerations for the rational design of a <i>Chlamydia</i> vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 831-835.	1.4	15
60	Estradiol Enhances Antiviral CD4 ⁺ Tissue-Resident Memory T Cell Responses following Mucosal Herpes Simplex Virus 2 Vaccination through an IL-17-Mediated Pathway. <i>Journal of Virology</i> , 2020, 95, .	1.5	15
61	Differential Responses of Murine Vaginal and Uterine Epithelial Cells Prior to and Following Herpes Simplex Virus Type 2 (HSV-2) Infection. <i>American Journal of Reproductive Immunology</i> , 2007, 57, 367-377.	1.2	13
62	Frequency of Human CD45+ Target Cells is a Key Determinant of Intravaginal HIV-1 Infection in Humanized Mice. <i>Scientific Reports</i> , 2017, 7, 15263.	1.6	13
63	Interferon- β induced in female genital epithelium by HIV-1 glycoprotein 120 via Toll-like-receptor 2 pathway acts to protect the mucosal barrier. <i>Cellular and Molecular Immunology</i> , 2019, 16, 178-194.	4.8	13
64	ORIGINAL ARTICLE: Estradiol Limits Viral Replication Following Intravaginal Immunization Leading to Diminished Mucosal IgG Response and Non-sterile Protection Against Genital Herpes Challenge. <i>American Journal of Reproductive Immunology</i> , 2010, 63, 299-309.	1.2	12
65	Herpes Simplex Virus Type 2 Coinfection Does Not Accelerate CD4 Count Decline in Untreated HIV Infection. <i>Clinical Infectious Diseases</i> , 2013, 57, 448-457.	2.9	12
66	Medroxyprogesterone acetate-treated human, primary endometrial epithelial cells reveal unique gene expression signature linked to innate immunity and HIV-1 susceptibility. <i>American Journal of Reproductive Immunology</i> , 2018, 79, e12781.	1.2	12
67	Human Uterine Epithelial Cells: Influence of culture conditions and stromal cells on epithelial cell transepithelial cell resistance. , 1999, , 366-378.		12
68	Proinflammatory Cytokines and Chemokines - But not Interferon- β - Produced in Response to HSV-2 in Primary Human Genital Epithelial Cells are Associated with Viral Replication and the Presence of the Virion Host Shutoff Protein. <i>American Journal of Reproductive Immunology</i> , 2013, 70, 199-212.	1.2	11
69	Depot medroxyprogesterone acetate (DMPA) enhances susceptibility and increases the window of vulnerability to HIV-1 in humanized mice. <i>Scientific Reports</i> , 2021, 11, 3894.	1.6	8
70	Towards a universal understanding of post COVID-19 condition. <i>Bulletin of the World Health Organization</i> , 2021, 99, 901-903.	1.5	8
71	Mode of long-term antifertility effect of intrauterine neem treatment (IUNT). <i>Contraception</i> , 1995, 51, 203-207.	0.8	7
72	Differential Elevation of Inflammation and CD4+ T Cell Activation in Kenyan Female Sex Workers and Non-Sex Workers Using Depot-Medroxyprogesterone Acetate. <i>Frontiers in Immunology</i> , 2020, 11, 598307.	2.2	7

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73	Latent <scp>TGF</scp>â€²1 is Compartmentalized Between Blood and Seminal Plasma of <scp>HIV</scp>â€Positive Men and Its Activation in Semen is Negatively Correlated with Viral Load and Immune Activation. American Journal of Reproductive Immunology, 2015, 73, 151-161.	1.2	6
74	TRIM26 Facilitates HSV-2 Infection by Downregulating Antiviral Responses through the IRF3 Pathway. Viruses, 2021, 13, 70.	1.5	6
75	Transcriptional profiling of primary endometrial epithelial cells following acute <scp>HIV</scp>â€1 exposure reveals gene signatures related to innate immunity. American Journal of Reproductive Immunology, 2018, 79, e12822.	1.2	5
76	Transcriptional response of vaginal epithelial cells to medroxyprogesterone acetate treatment results in decreased barrier integrity. Journal of Reproductive Immunology, 2021, 143, 103253.	0.8	5
77	Hormonal influence on <scp>HIV</scp>â€1 transmission in the female genital tract: New insights from systems biology. American Journal of Reproductive Immunology, 2018, 80, e13019.	1.2	4
78	Primary HSV-2 Infection in Early Pregnancy Results in Transplacental Viral Transmission and Dose-Dependent Adverse Pregnancy Outcomes in a Novel Mouse Model. Viruses, 2021, 13, 1929.	1.5	4
79	Animal Models of Immunity to Female Genital Tract Infections and Vaccine Development. , 2015, , 2059-2096.		3
80	IgA and Reproductive Tract Immunity. , 2007, , 291-320.		3
81	The Role of IL-17 During Infections in the Female Reproductive Tract. Frontiers in Immunology, 2022, 13, 861444.	2.2	3
82	Immunology of the Female Reproductive Mucosa. , 2016, , 63-72.		1
83	Special issue on â€œomics data in reproductive immunologyâ€ American Journal of Reproductive Immunology, 2018, 80, e13025.	1.2	0
84	Mucosal immunology of the female reproductive tract and its regulation by female sex hormones. , 2021, , 253-276.		0