

Indira U Mysorekar

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

11,080
citations

76326

40
h-index

62596

80
g-index

89
all docs

89
docs citations

89
times ranked

23079
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Zika Virus Infection during Pregnancy in Mice Causes Placental Damage and Fetal Demise. <i>Cell</i> , 2016, 165, 1081-1091.	28.9	737
3	Mechanisms of uropathogenic <i>Escherichia coli</i> persistence and eradication from the urinary tract. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14170-14175.	7.1	445
4	Hedgehog/Wnt feedback supports regenerative proliferation of epithelial stem cells in bladder. <i>Nature</i> , 2011, 472, 110-114.	27.8	378
5	Neutralizing human antibodies prevent Zika virus replication and fetal disease in mice. <i>Nature</i> , 2016, 540, 443-447.	27.8	349
6	Identification of intracellular bacteria in the basal plate of the human placenta in term and preterm gestations. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 208, 226.e1-226.e7.	1.3	302
7	Vaccine Mediated Protection Against Zika Virus-Induced Congenital Disease. <i>Cell</i> , 2017, 170, 273-283.e12.	28.9	224
8	Early Severe Inflammatory Responses to Uropathogenic <i>E. coli</i> Predispose to Chronic and Recurrent Urinary Tract Infection. <i>PLoS Pathogens</i> , 2010, 6, e1001042.	4.7	223
9	An Immunocompetent Mouse Model of Zika Virus Infection. <i>Cell Host and Microbe</i> , 2018, 23, 672-685.e6.	11.0	192
10	The fetal origins of mental illness. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 221, 549-562.	1.3	190
11	Molecular Regulation of Urothelial Renewal and Host Defenses during Infection with Uropathogenic <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 7412-7419.	3.4	179
12	Inhibition of autophagy limits vertical transmission of Zika virus in pregnant mice. <i>Journal of Experimental Medicine</i> , 2017, 214, 2303-2313.	8.5	170
13	Microbial communities in placentas from term normal pregnancy exhibit spatially variable profiles. <i>Scientific Reports</i> , 2017, 7, 11200.	3.3	137
14	Gestational Stage and IFN- λ Signaling Regulate ZIKV Infection In Utero. <i>Cell Host and Microbe</i> , 2017, 22, 366-376.e3.	11.0	137
15	TAM Receptors Are Not Required for Zika Virus Infection in Mice. <i>Cell Reports</i> , 2017, 19, 558-568.	6.4	125
16	Maternal microbiome – A pathway to preterm birth. <i>Seminars in Fetal and Neonatal Medicine</i> , 2016, 21, 94-99.	2.3	111
17	A Deficiency in the Autophagy Gene Atg16L1 Enhances Resistance to Enteric Bacterial Infection. <i>Cell Host and Microbe</i> , 2013, 14, 216-224.	11.0	107
18	Bone Morphogenetic Protein 4 Signaling Regulates Epithelial Renewal in the Urinary Tract in Response to Uropathogenic Infection. <i>Cell Host and Microbe</i> , 2009, 5, 463-475.	11.0	105

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19	Atg16L1 deficiency confers protection from uropathogenic <i>Escherichia coli</i> infection in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11008-11013.	7.1	104
20	Selective autophagy: Xenophagy. Methods, 2015, 75, 120-127.	3.8	101
21	Antibiotic therapy with metronidazole reduces endometriosis disease progression in mice: a potential role for gut microbiota. Human Reproduction, 2019, 34, 1106-1116.	0.9	96
22	Human antibodies to the dengue virus E-dimer epitope have therapeutic activity against Zika virus infection. Nature Immunology, 2017, 18, 1261-1269.	14.5	95
23	Modeling Zika Virus Infection in Pregnancy. New England Journal of Medicine, 2016, 375, 481-484.	27.0	93
24	Recurrent urinary tract infection and risk of bladder cancer in the Nijmegen bladder cancer study. British Journal of Cancer, 2015, 112, 594-600.	6.4	87
25	Hydroxychloroquine Inhibits Zika Virus NS2B-NS3 Protease. ACS Omega, 2018, 3, 18132-18141.	3.5	86
26	Ferritinophagy drives uropathogenic <i>Escherichia coli</i> persistence in bladder epithelial cells. Autophagy, 2016, 12, 850-863.	9.1	75
27	ATG16L1 deficiency in macrophages drives clearance of uropathogenic <i>E. coli</i> in an IL-1 β -dependent manner. Mucosal Immunology, 2015, 8, 1388-1399.	6.0	68
28	<i>LeuX</i> tRNA ^{Leu} -dependent and ϵ -independent mechanisms of <i>Escherichia coli</i> pathogenesis in acute cystitis. Molecular Microbiology, 2008, 67, 116-128.	2.5	67
29	Placental Microbiome and Its Role in Preterm Birth. NeoReviews, 2014, 15, e537-e545.	0.8	65
30	Stem-cell-derived trophoblast organoids model human placental development and susceptibility to emerging pathogens. Cell Stem Cell, 2022, 29, 810-825.e8.	11.1	65
31	Microbiome in Parturition and Preterm Birth. Seminars in Reproductive Medicine, 2014, 32, 050-055.	1.1	64
32	Intracellular bacteria in placental basal plate localize to extravillous trophoblasts. Placenta, 2014, 35, 139-142.	1.5	64
33	Inducible activation of Cre recombinase in adult mice causes gastric epithelial atrophy, metaplasia, and regenerative changes in the absence of α -floxed alleles. American Journal of Physiology - Renal Physiology, 2010, 299, G368-G380.	3.4	61
34	Constitutive β -Catenin Activation Induces Male-Specific Tumorigenesis in the Bladder Urothelium. Cancer Research, 2013, 73, 5914-5925.	0.9	56
35	Estrogenic Modulation of Uropathogenic <i>Escherichia coli</i> Infection Pathogenesis in a Murine Menopause Model. Infection and Immunity, 2013, 81, 733-739.	2.2	54
36	The impact of prenatal and neonatal infection on neurodevelopmental outcomes in very preterm infants. Journal of Perinatology, 2014, 34, 741-747.	2.0	52

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37	Polypliod Superficial Cells that Maintain the Urothelial Barrier Are Produced via Incomplete Cytokinesis and Endoreplication. <i>Cell Reports</i> , 2018, 25, 464-477.e4.	6.4	49
38	ATG16L1 governs placental infection risk and preterm birth in mice and women. <i>JCI Insight</i> , 2016, 1, e86654.	5.0	47
39	Urothelial generation and regeneration in development, injury, and cancer. <i>Developmental Dynamics</i> , 2017, 246, 336-343.	1.8	46
40	Maternal-Fetal Transmission of Zika Virus: Routes and Signals for Infection. <i>Journal of Interferon and Cytokine Research</i> , 2017, 37, 287-294.	1.2	44
41	SARS-CoV2 and pregnancy: An invisible enemy?. <i>American Journal of Reproductive Immunology</i> , 2020, 84, e13308.	1.2	40
42	SARS-CoV-2 colonization of maternal and fetal cells of the human placenta promotes alteration of local renin-angiotensin system. <i>Med</i> , 2021, 2, 575-590.e5.	4.4	40
43	Dietary restriction of iron availability attenuates UPEC pathogenesis in a mouse model of urinary tract infection. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F814-F822.	2.7	37
44	Viral-Immune Cell Interactions at the Maternal-Fetal Interface in Human Pregnancy. <i>Frontiers in Immunology</i> , 2020, 11, 522047.	4.8	33
45	Single cell and tissue-transcriptomic analysis of murine bladders reveals age- and TNF α -dependent but microbiota-independent tertiary lymphoid tissue formation. <i>Mucosal Immunology</i> , 2020, 13, 908-918.	6.0	33
46	Protamine Sulfate Induced Bladder Injury Protects from Distention Induced Bladder Pain. <i>Journal of Urology</i> , 2013, 189, 343-351.	0.4	31
47	Metabotropic Glutamate Receptor 5 (mGluR5) Regulates Bladder Nociception. <i>Molecular Pain</i> , 2012, 8, 1744-8069-8-20.	2.1	28
48	Maternal microbiomes in preterm birth: Recent progress and analytical pipelines. <i>Seminars in Perinatology</i> , 2017, 41, 392-400.	2.5	28
49	Histopathology of Third Trimester Placenta from SARS-CoV-2-Positive Women. <i>Fetal and Pediatric Pathology</i> , 2022, 41, 403-412.	0.7	28
50	Estrogen Affects the Glycosaminoglycan Layer of the Murine Bladder. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2012, 18, 148-152.	1.1	27
51	Autophagy regulation of physiological and pathological processes in the female reproductive tract. <i>American Journal of Reproductive Immunology</i> , 2017, 77, e12650.	1.2	26
52	A Gnotobiotic Transgenic Mouse Model for Studying Interactions between Small Intestinal Enterocytes and Intraepithelial Lymphocytes. <i>Journal of Biological Chemistry</i> , 2002, 277, 37811-37819.	3.4	25
53	A non-canonical autophagy-dependent role of the ATG16L1 ^{T300A} variant in urothelial vesicular trafficking and uropathogenic <i>Escherichia coli</i> persistence. <i>Autophagy</i> , 2019, 15, 527-542.	9.1	25
54	Host and viral mechanisms of congenital Zika syndrome. <i>Virulence</i> , 2019, 10, 768-775.	4.4	24

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55	ATG16L1 and pathogenesis of urinary tract infections. <i>Autophagy</i> , 2012, 8, 1693-1694.	9.1	23
56	TFEB-dependent induction of thermogenesis by the hepatocyte SLC2A inhibitor trehalose. <i>Autophagy</i> , 2018, 14, 1959-1975.	9.1	23
57	Oxysterol Signatures Distinguish Age-Related Macular Degeneration from Physiologic Aging. <i>EBioMedicine</i> , 2018, 32, 9-20.	6.1	23
58	NRF2 promotes urothelial cell response to bacterial infection by regulating reactive oxygen species and RAB27B expression. <i>Cell Reports</i> , 2021, 37, 109856.	6.4	22
59	A multiplexed analysis approach identifies new association of inflammatory proteins in patients with overactive bladder. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F28-F34.	2.7	21
60	Group therapy on in utero colonization: seeking common truths and a way forward. <i>Microbiome</i> , 2021, 9, 7.	11.1	21
61	<i>Gardnerella vaginalis</i> promotes group B <i>Streptococcus</i> vaginal colonization, enabling ascending uteroplacental infection in pregnant mice. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 530.e1-530.e17.	1.3	20
62	Macrophagic control of the response to uropathogenic <i>E. coli</i> infection by regulation of iron retention in an IL6-dependent manner. <i>Immunity, Inflammation and Disease</i> , 2016, 4, 413-426.	2.7	15
63	NOD2 is dispensable for ATG16L1 deficiency-mediated resistance to urinary tract infection. <i>Autophagy</i> , 2014, 10, 331-338.	9.1	14
64	Increased human leukocyte antigen-G expression at the maternal-fetal interface is associated with preterm birth. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2015, 28, 454-459.	1.5	13
65	Coxsackievirus B3 Infection Early in Pregnancy Induces Congenital Heart Defects Through Suppression of Fetal Cardiomyocyte Proliferation. <i>Journal of the American Heart Association</i> , 2021, 10, e017995.	3.7	13
66	Location, allocation, relocation: isolating adult tissue stem cells in three dimensions. <i>Current Opinion in Biotechnology</i> , 2006, 17, 511-517.	6.6	11
67	LysMD3 is a type II membrane protein without an role in the response to a range of pathogens. <i>Journal of Biological Chemistry</i> , 2018, 293, 6022-6038.	3.4	11
68	Vaginal Estrogen Therapy Is Associated With Decreased Inflammatory Response in Postmenopausal Women With Recurrent Urinary Tract Infections. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2021, 27, e39-e44.	1.1	11
69	To Zika and destroy: an antimalarial drug protects fetuses from Zika infection. <i>Future Microbiology</i> , 2018, 13, 137-139.	2.0	7
70	A broad-spectrum antibiotic, DCAP, reduces uropathogenic <i>Escherichia coli</i> infection and enhances vorinostat anticancer activity by modulating autophagy. <i>Cell Death and Disease</i> , 2018, 9, 780.	6.3	7
71	Zika Virus Takes a Transplacental Route to Infect Fetuses: Insights from an Animal Model. <i>Missouri Medicine</i> , 2017, 114, 168-170.	0.3	7
72	Golden Syrian Hamsters as a Model for Revisiting the Role of Biological Sex Differences in SARS-CoV-2 Infection. <i>MBio</i> , 2021, 12, e0184821.	4.1	6

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73	Recurrent Urinary Tract Infection Incidence Rates Decrease in Women With Cystitis Cystica After Treatment With d-Mannose: A Cohort Study. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2022, 28, e62-e65.	1.1	5
74	Novel thoughts on preterm birth research proceedings of the 13th annual preterm birth international collaborative (PREBIC) meeting. <i>Seminars in Perinatology</i> , 2017, 41, 438-441.	2.5	4
75	Diversity is essential for good science and reproductive science is no different: a response to the recent formulation of the Burroughs Wellcome Fund Pregnancy Think-Tank. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 950-951.	1.3	4
76	Placental Sampling for Understanding Viral Infections – A Simplified Protocol for the COVID-19 Pandemic. <i>Revista Brasileira De Ginecologia E Obstetricia</i> , 2021, 43, 377-383.	0.8	4
77	PITing it forward: A new link in the journey of uropathogenic E.Âcoli in the urothelium. <i>Cell Reports</i> , 2022, 39, 110758.	6.4	3
78	The Impact of Methenamine Hippurate Treatment on Urothelial Integrity and Bladder Inflammation in Aged Female Mice and Women With Urinary Tract Infections. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2022, 28, e205-e210.	1.1	3
79	<i>Trans-</i>mission control in the urinary tract: Local cytokine regulation of monocyte proliferation to combat infection. <i>Journal of Leukocyte Biology</i> , 2018, 103, 5-7.	3.3	2
80	Bacteria make TÂcell memories in utero. <i>Cell</i> , 2021, 184, 3356-3357.	28.9	1
81	Reflections on the void: the art of micturition analysis. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1446-F1448.	2.7	0
82	Killing the Pathogen and Sparing the Placenta. <i>New England Journal of Medicine</i> , 2020, 383, 2080-2082.	27.0	0
83	Killing the Pathogen and Sparing the Placenta. <i>Obstetric Anesthesia Digest</i> , 2021, 41, 93-94.	0.1	0
84	Oxidative Stress Culminates in Intracellular Bacteria Expulsion Via NRF2/KEAP1 Induction of RAB27B. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0