Mariana X Byndloss; Mariana N Xavier

List of Publications by Year
in descending order

72 papers	8,597 citations	76196 40 h-index	85405 71 g-index
73 all docs	73 docs citations	73 times ranked	10329 citing authors

#	Article	IF	Citations
1	Tumor Necrosis Factor Alpha Contributes to Inflammatory Pathology in the Placenta during Brucella abortus Infection. Infection and Immunity, 2022, 90, iai0001322.	1.0	7
2	5-Aminosalicylic Acid Ameliorates Colitis and Checks Dysbiotic Escherichia coli Expansion by Activating PPAR-Î³ Signaling in the Intestinal Epithelium. MBio, 2021, 12, .	1.8	56
3	TAKing on cancer. Cell Host and Microbe, 2021, 29, 851-853.	5.1	4
4	High-fat dietâ€“induced colonocyte dysfunction escalates microbiota-derived trimethylamine N -oxide. Science, 2021, 373, 813-818.	6.0	132
5	Colonization resistance: metabolic warfare as a strategy against pathogenic Enterobacteriaceae. Current Opinion in Microbiology, 2021, 64, 82-90.	2.3	17
6	Trick and no treat: Carbohydrate preemption by commensal Enterobacteriaceae. Cell Host and Microbe, 2021, 29, 1606-1608.	5.1	0
7	How to thrive in the inflamed gut. Nature Microbiology, 2020, 5, 10-11.	5.9	7
8	NOD1/NOD2 and RIP2 Regulate Endoplasmic Reticulum Stress-Induced Inflammation during Chlamydia Infection. MBio, 2020, 11, .	1.8	9
9	Microbial management. Science, 2020, 369, 153-153.	6.0	4
10	Gut Epithelial Metabolism as a Key Driver of Intestinal Dysbiosis Associated with Noncommunicable Diseases. Infection and Immunity, 2020, 88, .	1.0	24
11	Brucella abortus Infection of Placental Trophoblasts Triggers Endoplasmic Reticulum Stress-Mediated Cell Death and Fetal Loss via Type IV Secretion System-Dependent Activation of CHOP. MBio, 2019, 10, .	1.8	27
12	Critical role of bacterial dissemination in an infant rabbit model of bacillary dysentery. Nature Communications, 2019, 10, 1826.	5.8	20
13	Endogenous Enterobacteriaceae underlie variation in susceptibility to Salmonella infection. Nature Microbiology, 2019, 4, 1057-1064.	5.9	141
14	Commensal Enterobacteriaceae Protect against Salmonella Colonization through Oxygen Competition. Cell Host and Microbe, 2019, 25, 128-139.e5.	5.1	159
15	Genetic Ablation of Butyrate Utilization Attenuates Gastrointestinal Salmonella Disease. Cell Host and Microbe, 2018, 23, 266-273.e4.	5.1	48
16	The germ-organ theory of non-communicable diseases. Nature Reviews Microbiology, 2018, 16, 103-110.	13.6	117
17	Precision editing of the gut microbiota ameliorates colitis. Nature, 2018, 553, 208-211.	13.7	377
18	Toward Cell Type-Specific In Vivo Dual RNA-Seq. Methods in Enzymology, 2018, 612, 505-522.	0.4	3

#	Article	IF	Citations
19	Colonocyte metabolism shapes the gut microbiota. Science, 2018, 362, .	6.0	411
20	Healthy hosts rule within: ecological forces shaping the gut microbiota. Mucosal Immunology, 2018, 11, 1299-1305.	2.7	75
21	Colonization resistance: The deconvolution of a complex trait. Journal of Biological Chemistry, 2017, 292, 8577-8581.	1.6	42
22	Dysbiotic Proteobacteria expansion: a microbial signature of epithelial dysfunction. Current Opinion in Microbiology, 2017, 39, 1-6.	2.3	420
23	Microbiota-activated PPAR-Î³ signaling inhibits dysbiotic Enterobacteriaceae expansion. Science, 2017, 357, 570-575.	6.0	796
24	How bacterial pathogens use type III and type IV secretion systems to facilitate their transmission. Current Opinion in Microbiology, 2017, 35, 1-7.	2.3	27
25	Respiration of Microbiota-Derived 1,2-propanediol Drives Salmonella Expansion during Colitis. PLoS Pathogens, 2017, 13, e1006129.	2.1	139
26	Chronic Bacterial Pathogens: Mechanisms of Persistence. Microbiology Spectrum, 2016, 4, .	1.2	28
27	Loss of Multicellular Behavior in Epidemic African Nontyphoidal Salmonella enterica Serovar Typhimurium ST313 Strain D23580. MBio, 2016, 7, e02265.	1.8	67
28	Depletion of Butyrate-Producing Clostridia from the Gut Microbiota Drives an Aerobic Luminal Expansion of Salmonella. Cell Host and Microbe, 2016, 19, 443-454.	5.1	600
29	Virulence factors enhance Citrobacter rodentium expansion through aerobic respiration. Science, 2016, 353, 1249-1253.	6.0	150
30	Iron acquisition pathways and colonization of the inflamed intestine by Salmonella enterica serovar Typhimurium. International Journal of Medical Microbiology, 2016, 306, 604-610.	1.5	26
31	NOD1 and NOD2: New Functions Linking Endoplasmic Reticulum Stress and Inflammation. DNA and Cell Biology, 2016, 35, 311-313.	0.9	18
32	Host-mediated sugar oxidation promotes post-antibiotic pathogen expansion. Nature, 2016, 534, 697-699.	13.7	132
33	NOD1 and NOD2 signalling links ER stress with inflammation. Nature, 2016, 532, 394-397.	13.7	396
34	Brucellaspp. Virulence Factors and Immunity. Annual Review of Animal Biosciences, 2016, 4, 111-127.	3.6	120
35	Inflammation-associated alterations to the intestinal microbiota reduce colonization resistance against non-typhoidal Salmonella during concurrent malaria parasite infection. Scientific Reports, 2015, 5, 14603.	1.6	65
36	The Periplasmic Nitrate Reductase NapABC Supports Luminal Growth of Salmonella enterica Serovar Typhimurium during Colitis. Infection and Immunity, 2015, 83, 3470-3478.	1.0	105

#	Article	IF	Citations
37	Indirect ELISA for diagnosis of Brucella ovis infection in rams. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2014, 66, 1695-1702.	0.1	7
38	Malaria Parasite Infection Compromises Control of Concurrent Systemic Non-typhoidal Salmonella Infection via IL-10-Mediated Alteration of Myeloid Cell Function. PLoS Pathogens, 2014, 10, e1004049.	2.1	75
39	The mucosal inflammatory response to non-typhoidal Salmonella in the intestine is blunted by IL-10 during concurrent malaria parasite infection. Mucosal Immunology, 2014, 7, 1302-1311.	2.7	51
40	Neutrophils Are a Source of Gamma Interferon during Acute Salmonella enterica Serovar Typhimurium Colitis. Infection and Immunity, 2014, 82, 1692-1697.	1.0	35
41	The Predicted ABC Transporter AbcEDCBA Is Required for Type IV Secretion System Expression and Lysosomal Evasion by Brucella ovis. PLoS ONE, 2014, 9, e114532.	1.1	18
42	Species-specific multiplex PCR for the diagnosis of Brucella ovis, Actinobacillus seminis, and Histophilus somni infection in rams. BMC Veterinary Research, 2013, 9, 51.	0.7	20
43	PPARÎ³-Mediated Increase in Glucose Availability Sustains Chronic Brucella abortus Infection in Alternatively Activated Macrophages. Cell Host and Microbe, 2013, 14, 159-170.	5.1	145
44	Manipulation of small Rho GTPases is a pathogen-induced process detected by NOD1. Nature, 2013, 496, 233-237.	13.7	210
45	Host-Derived Nitrate Boosts Growth of E. coli in the Inflamed Gut. Science, 2013, 339, 708-711.	6.0	798
46	Innate immune recognition of flagellin limits systemic persistence ofBrucella. Cellular Microbiology, 2013, 15, 942-960.	1.1	38
47	Streptomycin-Induced Inflammation Enhances Escherichia coli Gut Colonization Through Nitrate Respiration. MBio, 2013, 4, .	1.8	176
48	Loss of Very-Long O-Antigen Chains Optimizes Capsule-Mediated Immune Evasion by Salmonella enterica Serovar Typhi. MBio, 2013, 4, .	1.8	48
49	CD4+ T Cell-derived IL-10 Promotes Brucella abortus Persistence via Modulation of Macrophage Function. PLoS Pathogens, 2013, 9, e1003454.	2.1	91
50	Salmonella Uses Energy Taxis to Benefit from Intestinal Inflammation. PLoS Pathogens, 2013, 9, e1003267.	2.1	139
51	Species-specific nested PCR as a diagnostic tool for Brucella ovis infection in rams. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2013, 65, 55-60.	0.1	5
52	Very Long O-antigen Chains Enhance Fitness during Salmonella-induced Colitis by Increasing Bile Resistance. PLoS Pathogens, 2012, 8, e1002918.	2.1	57
53	Phage-Mediated Acquisition of a Type III Secreted Effector Protein Boosts Growth of Salmonella by Nitrate Respiration. MBio, 2012, 3, .	1.8	194
54	Andrological, pathologic, morphometric, and ultrasonographic findings in rams experimentally infected with Brucella ovis. Small Ruminant Research, 2012, 102, 213-222.	0.6	35

#	Article	IF	Citations
55	Interactions of the Human PathogenicBrucellaSpecies with Their Hosts. Annual Review of Microbiology, 2011, 65, 523-541.	2.9	235
56	ASalmonellaVirulence Factor Activates the NOD1/NOD2 Signaling Pathway. MBio, 2011, 2, .	1.8	59
57	Early MyD88-Dependent Induction of Interleukin-17A Expression during Salmonella Colitis. Infection and Immunity, 2011, 79, 3131-3140.	1.0	40
58	Putative ATP-Binding Cassette Transporter Is Essential for Brucella ovis Pathogenesis in Mice. Infection and Immunity, 2011, 79, 1706-1717.	1.0	43
59	How To Become a Top Model: Impact of Animal Experimentation on Human Salmonella Disease Research. Infection and Immunity, 2011, 79, 1806-1814.	1.0	121
60	Intestinal inflammation allows Salmonella to use ethanolamine to compete with the microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17480-17485.	3.3	551
61	Enteric Pathology and Salmonella-Induced Cell Death in Healthy and SIV-Infected Rhesus Macaques. Veterinary Pathology, 2011, 48, 933-941.	0.8	11
62	A comparison of two agar gel immunodiffusion methods and a complement fixation test for serologic diagnosis of Brucella ovis infection in experimentally infected rams. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2011, 63, 1016-1021.	0.1	13
63	Pathogenesis of bovine brucellosis. Veterinary Journal, 2010, 184, 146-155.	0.6	174
64	Development and evaluation of a species-specific PCR assay for the detection of Brucella ovis infection in rams. Veterinary Microbiology, 2010, 145, 158-164.	0.8	36
65	Naturally acquired visceral leishmaniasis in non-human primates in Brazil. Veterinary Parasitology, 2010, 169, 193-197.	0.7	43
66	Effect of extender supplementation with various antimicrobial agents on viability of Brucella ovis and Actinobacillus seminis in cryopreserved ovine semen. Theriogenology, 2010, 74, 1476-1481.	0.9	10
67	Natural Antibody Contributes to Host Defense against an Attenuated Brucella abortus virB Mutant. Infection and Immunity, 2009, 77, 3004-3013.	1.0	32
68	Pathological, Immunohistochemical and Bacteriological Study of Tissues and Milk of Cows and Fetuses Experimentally Infected with Brucella abortus. Journal of Comparative Pathology, 2009, 140, 149-157.	0.1	134
69	Venereal transmission of canine visceral leishmaniasis. Veterinary Parasitology, 2009, 160, 55-59.	0.7	102
70	cDNA sequencing and expression of Nramp1 (Slc11a1) in dogs phenotypically resistant or susceptible to visceral leishmaniasis. Veterinary Immunology and Immunopathology, 2009, 127, 332-339.	0.5	10
71	The genus Brucella and clinical manifestations of brucellosis. Ciencia Rural, 2009, 39, 2252-2260.	0.3	36
72	Genital lesions and distribution of amastigotes in bitches naturally infected with Leishmania chagasi. Veterinary Parasitology, 2008, 151, 86-90.	0.7	34