

Bruce A. Vallance

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166
papers

10,398
citations

56
h-index

98
g-index

173
ext. papers

12,339
ext. citations

7.1
avg. IF

5.98
L-index

#	Paper	IF	Citations
166	Dissecting virulence: systematic and functional analyses of a pathogenicity island. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 3597-602	11.5	495
165	The adaptor Act1 is required for interleukin 17-dependent signaling associated with autoimmune and inflammatory disease. <i>Nature Immunology</i> , 2007 , 8, 247-56	19.1	428
164	Regulated virulence controls the ability of a pathogen to compete with the gut microbiota. <i>Science</i> , 2012 , 336, 1325-9	33.3	418
163	Control of intestinal homeostasis, colitis, and colitis-associated colorectal cancer by the inflammatory caspases. <i>Immunity</i> , 2010 , 32, 367-78	32.3	406
162	Muc2 protects against lethal infectious colitis by disassociating pathogenic and commensal bacteria from the colonic mucosa. <i>PLoS Pathogens</i> , 2010 , 6, e1000902	7.6	386
161	The Intestinal Epithelium: Central Coordinator of Mucosal Immunity. <i>Trends in Immunology</i> , 2018 , 39, 677-696	14.4	300
160	Dissemination of invasive Salmonella via bacterial-induced extrusion of mucosal epithelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17733-8	11.5	276
159	Noncanonical inflammasome activation of caspase-4/caspase-11 mediates epithelial defenses against enteric bacterial pathogens. <i>Cell Host and Microbe</i> , 2014 , 16, 249-256	23.4	275
158	The Toll-interleukin-1 receptor member SIGIRR regulates colonic epithelial homeostasis, inflammation, and tumorigenesis. <i>Immunity</i> , 2007 , 26, 461-75	32.3	261
157	Antibiotic treatment alters the colonic mucus layer and predisposes the host to exacerbated <i>Citrobacter rodentium</i> -induced colitis. <i>Infection and Immunity</i> , 2011 , 79, 1536-45	3.7	259
156	Exploitation of host cells by enteropathogenic <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8799-806	11.5	201
155	The role of CD4+ lymphocytes in the susceptibility of mice to stress-induced reactivation of experimental colitis. <i>Nature Medicine</i> , 1999 , 5, 1178-82	50.5	199
154	Locus of enterocyte effacement from <i>Citrobacter rodentium</i> : sequence analysis and evidence for horizontal transfer among attaching and effacing pathogens. <i>Infection and Immunity</i> , 2001 , 69, 6323-35	3.7	178
153	<i>Salmonella enterica</i> serovar Typhimurium pathogenicity island 2 is necessary for complete virulence in a mouse model of infectious enterocolitis. <i>Infection and Immunity</i> , 2005 , 73, 3219-27	3.7	162
152	Clearance of <i>Citrobacter rodentium</i> requires B cells but not secretory immunoglobulin A (IgA) or IgM antibodies. <i>Infection and Immunity</i> , 2004 , 72, 3315-24	3.7	158
151	MyD88 signalling plays a critical role in host defence by controlling pathogen burden and promoting epithelial cell homeostasis during <i>Citrobacter rodentium</i> -induced colitis. <i>Cellular Microbiology</i> , 2008 , 10, 618-31	3.9	151
150	Host susceptibility to the attaching and effacing bacterial pathogen <i>Citrobacter rodentium</i> . <i>Infection and Immunity</i> , 2003 , 71, 3443-53	3.7	151

149	Citrobacter rodentium translocated intimin receptor (Tir) is an essential virulence factor needed for actin condensation, intestinal colonization and colonic hyperplasia in mice. <i>Molecular Microbiology</i> , 2003 , 48, 95-115	4.1	148
148	Toll-like receptor 4 dependence of innate and adaptive immunity to Salmonella: importance of the Kupffer cell network. <i>Journal of Immunology</i> , 2004 , 172, 6202-8	5.3	145
147	Salmonella effectors within a single pathogenicity island are differentially expressed and translocated by separate type III secretion systems. <i>Molecular Microbiology</i> , 2002 , 43, 1089-103	4.1	129
146	Toll-like receptor 4 contributes to colitis development but not to host defense during Citrobacter rodentium infection in mice. <i>Infection and Immunity</i> , 2006 , 74, 2522-36	3.7	127
145	Salmonella type III effectors PipB and PipB2 are targeted to detergent-resistant microdomains on internal host cell membranes. <i>Molecular Microbiology</i> , 2003 , 49, 685-704	4.1	127
144	The mucin Muc2 limits pathogen burdens and epithelial barrier dysfunction during Salmonella enterica serovar Typhimurium colitis. <i>Infection and Immunity</i> , 2013 , 81, 3672-83	3.7	126
143	Prolonged antibiotic treatment induces a diabetogenic intestinal microbiome that accelerates diabetes in NOD mice. <i>ISME Journal</i> , 2016 , 10, 321-32	11.9	107
142	Chronic enteric salmonella infection in mice leads to severe and persistent intestinal fibrosis. <i>Gastroenterology</i> , 2008 , 134, 768-80	13.3	106
141	Citrobacter rodentium infection causes both mitochondrial dysfunction and intestinal epithelial barrier disruption in vivo: role of mitochondrial associated protein (Map). <i>Cellular Microbiology</i> , 2006 , 8, 1669-86	3.9	105
140	TGF-beta1 gene transfer to the mouse colon leads to intestinal fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 289, G116-28	5.1	105
139	Modulation of intestinal goblet cell function during infection by an attaching and effacing bacterial pathogen. <i>Infection and Immunity</i> , 2008 , 76, 796-811	3.7	104
138	Mice lacking T and B lymphocytes develop transient colitis and crypt hyperplasia yet suffer impaired bacterial clearance during Citrobacter rodentium infection. <i>Infection and Immunity</i> , 2002 , 70, 2070-81	3.7	102
137	Toll-like receptor 2 plays a critical role in maintaining mucosal integrity during Citrobacter rodentium-induced colitis. <i>Cellular Microbiology</i> , 2008 , 10, 388-403	3.9	101
136	Gut barrier disruption by an enteric bacterial pathogen accelerates insulinitis in NOD mice. <i>Diabetologia</i> , 2010 , 53, 741-8	10.3	95
135	Salmonella pathogenicity island 2 is expressed prior to penetrating the intestine. <i>PLoS Pathogens</i> , 2005 , 1, e32	7.6	95
134	SopD2 is a novel type III secreted effector of Salmonella typhimurium that targets late endocytic compartments upon delivery into host cells. <i>Traffic</i> , 2003 , 4, 36-48	5.7	94
133	Humoral Immunity in the Gut Selectively Targets Phenotypically Virulent Attaching-and-Effacing Bacteria for Intraluminal Elimination. <i>Cell Host and Microbe</i> , 2015 , 17, 617-27	23.4	89
132	Milk Fat Globule Membrane Supplementation in Formula Modulates the Neonatal Gut Microbiome and Normalizes Intestinal Development. <i>Scientific Reports</i> , 2017 , 7, 45274	4.9	88

131	Modulation of inducible nitric oxide synthase expression by the attaching and effacing bacterial pathogen <i>Citrobacter rodentium</i> in infected mice. <i>Infection and Immunity</i> , 2002 , 70, 6424-35	3.7	84
130	Severe COVID-19 Infection and Pediatric Comorbidities: A Systematic Review and Meta-Analysis. <i>International Journal of Infectious Diseases</i> , 2021 , 103, 246-256	10.5	82
129	Host-pathogen interactions: Host resistance factor Nramp1 up-regulates the expression of <i>Salmonella</i> pathogenicity island-2 virulence genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 15705-10	11.5	80
128	Myenteric plexus injury and apoptosis in experimental colitis. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2005 , 117, 41-53	2.4	78
127	A novel mouse model of <i>Campylobacter jejuni</i> gastroenteritis reveals key pro-inflammatory and tissue protective roles for Toll-like receptor signaling during infection. <i>PLoS Pathogens</i> , 2014 , 10, e1004264	7.6	77
126	<i>Salmonella</i> infection of gallbladder epithelial cells drives local inflammation and injury in a model of acute typhoid fever. <i>Journal of Infectious Diseases</i> , 2009 , 200, 1703-13	7	77
125	Attaching and effacing bacterial effector NleC suppresses epithelial inflammatory responses by inhibiting NF- κ B and p38 mitogen-activated protein kinase activation. <i>Infection and Immunity</i> , 2011 , 79, 3552-62	3.7	75
124	Critical role for signal transducer and activator of transcription factor 6 in mediating intestinal muscle hypercontractility and worm expulsion in <i>Trichinella spiralis</i> -infected mice. <i>Infection and Immunity</i> , 2001 , 69, 838-44	3.7	72
123	Gut Microbiota as a Trigger for Metabolic Inflammation in Obesity and Type 2 Diabetes. <i>Frontiers in Immunology</i> , 2020 , 11, 571731	8.4	70
122	Active vitamin D (1,25-dihydroxyvitamin D3) increases host susceptibility to <i>Citrobacter rodentium</i> by suppressing mucosal Th17 responses. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G1299-311	5.1	68
121	Antigen-presenting ILC3 regulate T cell-dependent IgA responses to colonic mucosal bacteria. <i>Journal of Experimental Medicine</i> , 2019 , 216, 728-742	16.6	68
120	Inflammatory bowel disease and immunonutrition: novel therapeutic approaches through modulation of diet and the gut microbiome. <i>Immunology</i> , 2018 , 155, 36-52	7.8	67
119	SseK1 and SseK2 are novel translocated proteins of <i>Salmonella enterica</i> serovar typhimurium. <i>Infection and Immunity</i> , 2004 , 72, 5115-25	3.7	65
118	Flagellin-dependent and -independent inflammatory responses following infection by enteropathogenic <i>Escherichia coli</i> and <i>Citrobacter rodentium</i> . <i>Infection and Immunity</i> , 2008 , 76, 1410-22	3.7	64
117	NLRP3 regulates a non-canonical platform for caspase-8 activation during epithelial cell apoptosis. <i>Cell Death and Differentiation</i> , 2016 , 23, 1331-46	12.7	63
116	Modulation of host cytoskeleton function by the enteropathogenic <i>Escherichia coli</i> and <i>Citrobacter rodentium</i> effector protein EspG. <i>Infection and Immunity</i> , 2005 , 73, 2586-94	3.7	61
115	SIGIRR, a negative regulator of TLR/IL-1R signalling promotes Microbiota dependent resistance to colonization by enteric bacterial pathogens. <i>PLoS Pathogens</i> , 2013 , 9, e1003539	7.6	60
114	Inflammation-induced impairment of enteric nerve function in nematode-infected mice is macrophage dependent. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 278, G259-65	5.1	60

113	Aggregation via the red, dry, and rough morphotype is not a virulence adaptation in <i>Salmonella enterica</i> serovar Typhimurium. <i>Infection and Immunity</i> , 2008 , 76, 1048-58	3.7	59
112	Bacterial stimulation of the TLR-MyD88 pathway modulates the homeostatic expression of ileal Paneth cell β defensins. <i>Journal of Innate Immunity</i> , 2013 , 5, 39-49	6.9	57
111	Nramp1 drives an accelerated inflammatory response during <i>Salmonella</i> -induced colitis in mice. <i>Cellular Microbiology</i> , 2009 , 11, 351-62	3.9	56
110	Cloning vectors and fluorescent proteins can significantly inhibit <i>Salmonella enterica</i> virulence in both epithelial cells and macrophages: implications for bacterial pathogenesis studies. <i>Infection and Immunity</i> , 2005 , 73, 7027-31	3.7	56
109	The goblet cell-derived mediator RELM- β drives spontaneous colitis in Muc2-deficient mice by promoting commensal microbial dysbiosis. <i>Mucosal Immunology</i> , 2016 , 9, 1218-33	9.2	53
108	Increased Intestinal Permeability Is Associated With Later Development of Crohn's Disease. <i>Gastroenterology</i> , 2020 , 159, 2092-2100.e5	13.3	53
107	Relative contributions of NOS isoforms during experimental colitis: endothelial-derived NOS maintains mucosal integrity. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 287, G865-74	5.1	52
106	Enteropathogenic and enterohemorrhagic <i>Escherichia coli</i> infections: emerging themes in pathogenesis and prevention. <i>Canadian Journal of Gastroenterology & Hepatology</i> , 2002 , 16, 771-8		52
105	Interleukin-11 reduces TLR4-induced colitis in TLR2-deficient mice and restores intestinal STAT3 signaling. <i>Gastroenterology</i> , 2010 , 139, 1277-88	13.3	51
104	Enteropathogenic <i>Escherichia coli</i> infection induces expression of the early growth response factor by activating mitogen-activated protein kinase cascades in epithelial cells. <i>Infection and Immunity</i> , 2001 , 69, 6217-24	3.7	50
103	The pathogenic <i>E. coli</i> type III effector EspZ interacts with host CD98 and facilitates host cell prosurvival signalling. <i>Cellular Microbiology</i> , 2010 , 12, 1322-39	3.9	49
102	Loss of single immunoglobulin interleukin-1 receptor-related molecule leads to enhanced colonic polyposis in Apc(min) mice. <i>Gastroenterology</i> , 2010 , 139, 574-85	13.3	49
101	Interleukin-5 deficient mice exhibit impaired host defence against challenge <i>Trichinella spiralis</i> infections. <i>Parasite Immunology</i> , 2000 , 22, 487-92	2.2	49
100	T cell-mediated exocrine pancreatic damage in major histocompatibility complex class II-deficient mice. <i>Gastroenterology</i> , 1998 , 115, 978-87	13.3	47
99	Intestinal epithelium-specific MyD88 signaling impacts host susceptibility to infectious colitis by promoting protective goblet cell and antimicrobial responses. <i>Infection and Immunity</i> , 2014 , 82, 3753-63	3.7	46
98	Goblet Cell Derived RELM- β Recruits CD4+ T Cells during Infectious Colitis to Promote Protective Intestinal Epithelial Cell Proliferation. <i>PLoS Pathogens</i> , 2015 , 11, e1005108	7.6	45
97	Skin Exposure to Narrow Band Ultraviolet (UVB) Light Modulates the Human Intestinal Microbiome. <i>Frontiers in Microbiology</i> , 2019 , 10, 2410	5.7	43
96	CD4 T cells and major histocompatibility complex class II expression influence worm expulsion and increased intestinal muscle contraction during <i>Trichinella spiralis</i> infection. <i>Infection and Immunity</i> , 1999 , 67, 6090-7	3.7	42

95	Metalloprotease NleC suppresses host NF- κ B/inflammatory responses by cleaving p65 and interfering with the p65/RPS3 interaction. <i>PLoS Pathogens</i> , 2015 , 11, e1004705	7.6	41
94	Giardia co-infection promotes the secretion of antimicrobial peptides beta-defensin 2 and trefoil factor 3 and attenuates attaching and effacing bacteria-induced intestinal disease. <i>PLoS ONE</i> , 2017 , 12, e0178647	3.7	41
93	Role of M-CSF-dependent macrophages in colitis is driven by the nature of the inflammatory stimulus. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, G770-7	5.1	41
92	Suppressive and Gut-Reparative Functions of Human Type 1 T Regulatory Cells. <i>Gastroenterology</i> , 2019 , 157, 1584-1598	13.3	40
91	A novel secretion pathway of Salmonella enterica acts as an antivirulence modulator during salmonellosis. <i>PLoS Pathogens</i> , 2008 , 4, e1000036	7.6	40
90	Putative inflammatory and immunological mechanisms in functional bowel disorders. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , 1999 , 13, 429-36	2.5	38
89	CD4+ T cells drive goblet cell depletion during Citrobacter rodentium infection. <i>Infection and Immunity</i> , 2013 , 81, 4649-58	3.7	37
88	DNBS/TNBS colitis models: providing insights into inflammatory bowel disease and effects of dietary fat. <i>Journal of Visualized Experiments</i> , 2014 , e51297	1.6	35
87	Intestinal restriction of Salmonella Typhimurium requires caspase-1 and caspase-11 epithelial intrinsic inflammasomes. <i>PLoS Pathogens</i> , 2020 , 16, e1008498	7.6	34
86	Nramp1 expression by dendritic cells modulates inflammatory responses during Salmonella Typhimurium infection. <i>Cellular Microbiology</i> , 2008 , 10, 1646-61	3.9	34
85	Innate host responses to enteric bacterial pathogens: a balancing act between resistance and tolerance. <i>Cellular Microbiology</i> , 2012 , 14, 475-84	3.9	32
84	The Citrobacter rodentium mouse model: studying pathogen and host contributions to infectious colitis. <i>Journal of Visualized Experiments</i> , 2013 , e50222	1.6	32
83	Vasoactive intestinal polypeptide promotes intestinal barrier homeostasis and protection against colitis in mice. <i>PLoS ONE</i> , 2015 , 10, e0125225	3.7	32
82	Expression of the Blood-Group-Related Gene B4galnt2 Alters Susceptibility to Salmonella Infection. <i>PLoS Pathogens</i> , 2015 , 11, e1005008	7.6	32
81	SseA is required for translocation of Salmonella pathogenicity island-2 effectors into host cells. <i>Microbes and Infection</i> , 2003 , 5, 561-70	9.3	31
80	Interleukin-1 (IL-1) signaling in intestinal stromal cells controls KC/ CXCL1 secretion, which correlates with recruitment of IL-22- secreting neutrophils at early stages of Citrobacter rodentium infection. <i>Infection and Immunity</i> , 2015 , 83, 3257-67	3.7	29
79	Dietary vitamin D3 deficiency alters intestinal mucosal defense and increases susceptibility to Citrobacter rodentium-induced colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, G730-42	5.1	29
78	Resistin-like molecule β promotes pathogenic Th17 cell responses and bacterial-induced intestinal inflammation. <i>Journal of Immunology</i> , 2013 , 190, 2292-300	5.3	27

77	Noradrenergic and cholinergic neural pathways mediate stress-induced reactivation of colitis in the rat. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2006 , 124, 56-68	2.4	27
76	Epithelial Histone Deacetylase 3 Instructs Intestinal Immunity by Coordinating Local Lymphocyte Activation. <i>Cell Reports</i> , 2017 , 19, 1165-1175	10.6	26
75	A simple, cost-effective method for generating murine colonic 3D enteroids and 2D monolayers for studies of primary epithelial cell function. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, G467-G475	5.1	26
74	TAC1 deficiency enhances antibody avidity and clearance of an intestinal pathogen. <i>Journal of Clinical Investigation</i> , 2014 , 124, 4857-66	15.9	26
73	Long-Term Effects of Early-Life Antibiotic Exposure on Resistance to Subsequent Bacterial Infection. <i>MBio</i> , 2019 , 10,	7.8	26
72	IL-12 gene transfer alters gut physiology and host immunity in nematode-infected mice. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 281, G102-10	5.1	25
71	IL-22 Preserves Gut Epithelial Integrity and Promotes Disease Remission during Chronic Infection. <i>Journal of Immunology</i> , 2019 , 202, 956-965	5.3	25
70	Novel Fecal Biomarkers That Precede Clinical Diagnosis of Ulcerative Colitis. <i>Gastroenterology</i> , 2021 , 160, 1532-1545	13.3	25
69	Frontline defenders: goblet cell mediators dictate host-microbe interactions in the intestinal tract during health and disease. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, G360-G377	5.1	25
68	The Helical Shape of <i>Campylobacter jejuni</i> Promotes In Vivo Pathogenesis by Aiding Transit through Intestinal Mucus and Colonization of Crypts. <i>Infection and Immunity</i> , 2016 , 84, 3399-3407	3.7	24
67	Insights into <i>Campylobacter jejuni</i> colonization of the mammalian intestinal tract using a novel mouse model of infection. <i>Gut Microbes</i> , 2015 , 6, 143-8	8.8	23
66	The single IgG IL-1-related receptor controls TLR responses in differentiated human intestinal epithelial cells. <i>Journal of Immunology</i> , 2010 , 184, 2305-13	5.3	23
65	T lymphocyte-dependent and -independent intestinal smooth muscle dysfunction in the <i>T. spiralis</i> -infected mouse. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 275, G1157-65	5.1	23
64	IL-5 contributes to worm expulsion and muscle hypercontractility in a primary <i>T. spiralis</i> infection. <i>American Journal of Physiology - Renal Physiology</i> , 1999 , 277, G400-8	5.1	21
63	Bacterial AB toxins inhibit the growth of gut bacteria by targeting ganglioside-like glycoconjugates. <i>Nature Communications</i> , 2019 , 10, 1390	17.4	20
62	Salmonella and the Inflammasome: Battle for Intracellular Dominance. <i>Current Topics in Microbiology and Immunology</i> , 2016 , 397, 43-67	3.3	19
61	Epithelial p38alpha controls immune cell recruitment in the colonic mucosa. <i>PLoS Pathogens</i> , 2010 , 6, e1000934	7.6	19
60	Genetic profiling of dendritic cells exposed to live- or ultraviolet-irradiated <i>Chlamydia muridarum</i> reveals marked differences in CXC chemokine profiles. <i>Immunology</i> , 2007 , 120, 160-72	7.8	19

59	Enteroids Derived From Inflammatory Bowel Disease Patients Display Dysregulated Endoplasmic Reticulum Stress Pathways, Leading to Differential Inflammatory Responses and Dendritic Cell Maturation. <i>Journal of Crohns and Colitis</i> , 2020 , 14, 948-961	1.5	19
58	Dynamic Interactions of a Conserved Enterotoxigenic Escherichia coli Adhesin with Intestinal Mucins Govern Epithelium Engagement and Toxin Delivery. <i>Infection and Immunity</i> , 2016 , 84, 3608-3617	3.7	19
57	Noncanonical inflammasomes: Antimicrobial defense that does not play by the rules. <i>Cellular Microbiology</i> , 2017 , 19, e12730	3.9	17
56	Macrophage α -Integrins Regulate IL-22 by ILC3s and Protect from Lethal Citrobacter rodentium-Induced Colitis. <i>Cell Reports</i> , 2019 , 26, 1614-1626.e5	10.6	17
55	Mast cell-independent impairment of host defense and muscle contraction in T. spiralis-infected W/W(V) mice. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 280, G640-8	5.1	16
54	Salmonella enterica Infection of Murine and Human Enteroid-Derived Monolayers Elicits Differential Activation of Epithelium-Intrinsic Inflammasomes. <i>Infection and Immunity</i> , 2020 , 88,	3.7	15
53	The Serine Protease Autotransporter Pic Modulates Citrobacter rodentium Pathogenesis and Its Innate Recognition by the Host. <i>Infection and Immunity</i> , 2015 , 83, 2636-50	3.7	15
52	Current progress in enteropathogenic and enterohemorrhagic Escherichia coli vaccines. <i>Expert Review of Vaccines</i> , 2002 , 1, 483-93	5.2	15
51	Giardia spp. promote the production of antimicrobial peptides and attenuate disease severity induced by attaching and effacing enteropathogens via the induction of the NLRP3 inflammasome. <i>International Journal for Parasitology</i> , 2020 , 50, 263-275	4.3	14
50	Tricellular Tight Junction Protein Tricellulin Is Targeted by the Enteropathogenic Escherichia coli Effector EspG1, Leading to Epithelial Barrier Disruption. <i>Infection and Immunity</i> , 2017 , 85,	3.7	14
49	Active Transport of Phosphorylated Carbohydrates Promotes Intestinal Colonization and Transmission of a Bacterial Pathogen. <i>PLoS Pathogens</i> , 2015 , 11, e1005107	7.6	14
48	MyD88 signaling promotes both mucosal homeostatic and fibrotic responses during Salmonella-induced colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G311-23	5.1	14
47	Neural change in Trichinella-infected mice is MHC II independent and involves M-CSF-derived macrophages. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 281, G151-8	5.1	14
46	Genetic ablation of Cyp8b1 preserves host metabolic function by repressing steatohepatitis and altering gut microbiota composition. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 314, E418-E432	6	13
45	Immune Stimulation Using a Gut Microbe-Based Immunotherapy Reduces Disease Pathology and Improves Barrier Function in Ulcerative Colitis. <i>Frontiers in Immunology</i> , 2018 , 9, 2211	8.4	13
44	Pediatric Eosinophilic Esophagitis Is Associated With Increased Lamina Propria Immunoglobulin G4-Positive Plasma Cells. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018 , 67, 204-209	2.8	12
43	The L-Arginine Transporter Solute Carrier Family 7 Member 2 Mediates the Immunopathogenesis of Attaching and Effacing Bacteria. <i>PLoS Pathogens</i> , 2016 , 12, e1005984	7.6	12
42	Absence of stearyl-CoA desaturase-1 does not promote DSS-induced acute colitis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 1166-72	5	11

41	The Muc2 mucin coats murine Paneth cell granules and facilitates their content release and dispersion. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, G195-G205	5.1	10
40	IL-4 gene transfer to the small bowel serosa leads to intestinal inflammation and smooth muscle hyperresponsiveness. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G385-94	5.1	10
39	A Novel Mouse Model of Enteric <i>Vibrio parahaemolyticus</i> Infection Reveals that the Type III Secretion System 2 Effector VopC Plays a Key Role in Tissue Invasion and Gastroenteritis. <i>MBio</i> , 2019 , 10,	7.8	10
38	Isolation and Characterization of Potentially Probiotic Bacterial Strains from Mice: Proof of Concept for Personalized Probiotics. <i>Nutrients</i> , 2018 , 10,	6.7	10
37	Microbiota Inhibit Epithelial Pathogen Adherence by Epigenetically Regulating C-Type Lectin Expression. <i>Frontiers in Immunology</i> , 2019 , 10, 928	8.4	9
36	Requirement of epithelial integrin-linked kinase for facilitation of <i>Citrobacter rodentium</i> -induced colitis. <i>BMC Gastroenterology</i> , 2013 , 13, 137	3	9
35	Activation of p38 α T cells regulates the intestinal host defense against attaching and effacing bacterial infections. <i>Journal of Immunology</i> , 2013 , 191, 2764-2770	5.3	9
34	Direct Clinical Evidence Recommending the Use of Proteinase K or Dithiothreitol to Pretreat Sputum for Detection of SARS-CoV-2. <i>Frontiers in Medicine</i> , 2020 , 7, 549860	4.9	9
33	Mouse Models for <i>Campylobacter jejuni</i> Colonization and Infection. <i>Methods in Molecular Biology</i> , 2017 , 1512, 171-188	1.4	8
32	EspF is crucial for <i>Citrobacter rodentium</i> -induced tight junction disruption and lethality in immunocompromised animals. <i>PLoS Pathogens</i> , 2019 , 15, e1007898	7.6	8
31	TLR9 limits enteric antimicrobial responses and promotes microbiota-based colonisation resistance during <i>Citrobacter rodentium</i> infection. <i>Cellular Microbiology</i> , 2019 , 21, e13026	3.9	7
30	Indispensable functions of ABL and PDGF receptor kinases in epithelial adherence of attaching/effacing pathogens under physiological conditions. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C180-9	5.4	7
29	Commensal segmented filamentous bacteria-derived retinoic acid primes host defense to intestinal infection. <i>Cell Host and Microbe</i> , 2021 , 29, 1744-1756.e5	23.4	7
28	Ulcerative Colitis-associated pathobionts potentiate colitis in susceptible hosts. <i>Gut Microbes</i> , 2020 , 12, 1847976	8.8	7
27	SLAMFAP signaling promotes differentiation of IL-17-producing T cells and progression of experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2014 , 193, 5841-53	5.3	6
26	Vasoactive intestinal peptide promotes host defense against enteric pathogens by modulating the recruitment of group 3 innate lymphoid cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
25	Interleukin-37 regulates innate immune signaling in human and mouse colonic organoids. <i>Scientific Reports</i> , 2021 , 11, 8206	4.9	5
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10	Intestinal-epithelial LSD1 controls cytoskeletal-mediated cell identity including goblet cell effector responses required for gut inflammatory and infectious diseases		2
9	Autotaxin stimulates LPA2 receptor in macrophages and exacerbates dextran sulfate sodium-induced acute colitis. <i>Journal of Molecular Medicine</i> , 2020 , 98, 1781-1794	5.5	2
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6	Modeling enteropathogenic and enterohemorrhagic E. coli infections and disease. <i>Drug Discovery Today: Disease Models</i> , 2004 , 1, 73-79	1.3	1

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4	Harnessing Big Data to Optimize an Algorithm for Rapid Diagnosis of Pulmonary Tuberculosis in a Real-World Setting. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 650163	5.9	1
3	What's for dinner? How <i>Citrobacter rodentium</i> 's metabolism helps it thrive in the competitive gut. <i>Current Opinion in Microbiology</i> , 2021 , 63, 76-82	7.9	1
2	Application of the Eosinophilic Esophagitis Histology Scoring System Grade Scores in Patients at British Columbia Children's Hospital.. <i>Fetal and Pediatric Pathology</i> , 2022 , 1-15	1.7	0
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