

Si Ming Man

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

6,948
citations

38
h-index

77
g-index

77
ext. papers

8,929
ext. citations

15.3
avg, IF

6.8
L-index

#	Paper	IF	Citations
70	Global Epidemiology of Campylobacter Infection. <i>Clinical Microbiology Reviews</i> , 2015 , 28, 687-720	34	705
69	Molecular mechanisms and functions of pyroptosis, inflammatory caspases and inflammasomes in infectious diseases. <i>Immunological Reviews</i> , 2017 , 277, 61-75	11.3	669
68	Regulation of inflammasome activation. <i>Immunological Reviews</i> , 2015 , 265, 6-21	11.3	521
67	Converging roles of caspases in inflammasome activation, cell death and innate immunity. <i>Nature Reviews Immunology</i> , 2016 , 16, 7-21	36.5	360
66	ZBP1/DAI is an innate sensor of influenza virus triggering the NLRP3 inflammasome and programmed cell death pathways. <i>Science Immunology</i> , 2016 , 1,	28	285
65	The clinical importance of emerging Campylobacter species. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2011 , 8, 669-85	24.2	280
64	The transcription factor IRF1 and guanylate-binding proteins target activation of the AIM2 inflammasome by Francisella infection. <i>Nature Immunology</i> , 2015 , 16, 467-75	19.1	232
63	Inflammasome activation causes dual recruitment of NLRC4 and NLRP3 to the same macromolecular complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7403-8	11.5	223
62	Critical Role for the DNA Sensor AIM2 in Stem Cell Proliferation and Cancer. <i>Cell</i> , 2015 , 162, 45-58	56.2	213
61	Inflammasomes and Cancer. <i>Cancer Immunology Research</i> , 2017 , 5, 94-99	12.5	201
60	AIM2 inflammasome in infection, cancer, and autoimmunity: Role in DNA sensing, inflammation, and innate immunity. <i>European Journal of Immunology</i> , 2016 , 46, 269-80	6.1	190
59	IRGB10 Liberates Bacterial Ligands for Sensing by the AIM2 and Caspase-11-NLRP3 Inflammasomes. <i>Cell</i> , 2016 , 167, 382-396.e17	56.2	187
58	Concerted activation of the AIM2 and NLRP3 inflammasomes orchestrates host protection against Aspergillus infection. <i>Cell Host and Microbe</i> , 2015 , 17, 357-368	23.4	174
57	Emerging Activators and Regulators of Inflammasomes and Pyroptosis. <i>Trends in Immunology</i> , 2019 , 40, 1035-1052	14.4	166
56	Salmonella infection induces recruitment of Caspase-8 to the inflammasome to modulate IL-1 β production. <i>Journal of Immunology</i> , 2013 , 191, 5239-46	5.3	163
55	Mechanisms of Gasdermin Family Members in Inflammasome Signaling and Cell Death. <i>Journal of Molecular Biology</i> , 2018 , 430, 3068-3080	6.5	141
54	Campylobacter concisus and other Campylobacter species in children with newly diagnosed Crohn's disease. <i>Inflammatory Bowel Diseases</i> , 2010 , 16, 1008-16	4.5	138

53	The role of bacteria and pattern-recognition receptors in Crohn's disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2011 , 8, 152-68	24.2	120
52	NLR3 is an inhibitory sensor of PI3K-mTOR pathways in cancer. <i>Nature</i> , 2016 , 540, 583-587	50.4	112
51	Detection and isolation of Campylobacter species other than C. jejuni from children with Crohn's disease. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 453-5	9.7	107
50	The Mitochondrial Apoptotic Effectors BAX/BAK Activate Caspase-3 and -7 to Trigger NLRP3 Inflammasome and Caspase-8 Driven IL-1 β Activation. <i>Cell Reports</i> , 2018 , 25, 2339-2353.e4	10.6	102
49	Inflammasomes in the gastrointestinal tract: infection, cancer and gut microbiota homeostasis. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018 , 15, 721-737	24.2	102
48	Host attachment, invasion, and stimulation of proinflammatory cytokines by Campylobacter concisus and other non-Campylobacter jejuni Campylobacter species. <i>Journal of Infectious Diseases</i> , 2010 , 202, 1855-65	7	92
47	Cutting edge: STING mediates protection against colorectal tumorigenesis by governing the magnitude of intestinal inflammation. <i>Journal of Immunology</i> , 2014 , 193, 4779-82	5.3	89
46	Salmonella exploits NLRP12-dependent innate immune signaling to suppress host defenses during infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 385-90	11.5	88
45	Molecular mechanisms of inflammasome signaling. <i>Journal of Leukocyte Biology</i> , 2018 , 103, 233-257	6.5	86
44	Differential roles of caspase-1 and caspase-11 in infection and inflammation. <i>Scientific Reports</i> , 2017 , 7, 45126	4.9	84
43	Cytosolic Recognition of Microbes and Pathogens: Inflammasomes in Action. <i>Microbiology and Molecular Biology Reviews</i> , 2018 , 82,	13.2	80
42	Gasdermin D: the long-awaited executioner of pyroptosis. <i>Cell Research</i> , 2015 , 25, 1183-4	24.7	79
41	Actin polymerization as a key innate immune effector mechanism to control Salmonella infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17588-93	11.5	79
40	Regulation of lysosomal dynamics and autophagy by CTSB/cathepsin B. <i>Autophagy</i> , 2016 , 12, 2504-2505	10.2	73
39	IL-1 Family Members Mediate Cell Death, Inflammation and Angiogenesis in Retinal Degenerative Diseases. <i>Frontiers in Immunology</i> , 2019 , 10, 1618	8.4	73
38	Interferon-inducible guanylate-binding proteins at the interface of cell-autonomous immunity and inflammasome activation. <i>Journal of Leukocyte Biology</i> , 2017 , 101, 143-150	6.5	64
37	The secretome of Campylobacter concisus. <i>FEBS Journal</i> , 2010 , 277, 1606-17	5.7	54
36	Detection of enterohepatic and gastric helicobacter species in fecal specimens of children with Crohn's disease. <i>Helicobacter</i> , 2008 , 13, 234-8	4.9	46

35	Cathepsin B modulates lysosomal biogenesis and host defense against <i>Francisella novicida</i> infection. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2081-97	16.6	45
34	A multicomponent toxin from <i>Bacillus cereus</i> incites inflammation and shapes host outcome via the NLRP3 inflammasome. <i>Nature Microbiology</i> , 2019 , 4, 362-374	26.6	43
33	Bacterial infection of macrophages induces decrease in refractive index. <i>Journal of Biophotonics</i> , 2013 , 6, 393-7	3.1	42
32	Role of emerging <i>Campylobacter</i> species in inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, 2189-97	4.5	38
31	Transcriptomic and proteomic analyses reveal key innate immune signatures in the host response to the gastrointestinal pathogen <i>Campylobacter concisus</i> . <i>Infection and Immunity</i> , 2015 , 83, 832-45	3.7	36
30	Mechanisms and functions of guanylate-binding proteins and related interferon-inducible GTPases: Roles in intracellular lysis of pathogens. <i>Cellular Microbiology</i> , 2017 , 19, e12791	3.9	34
29	Detection of <i>Helicobacteraceae</i> in intestinal biopsies of children with Crohn's disease. <i>Helicobacter</i> , 2010 , 15, 549-57	4.9	33
28	The internal transcribed spacer region, a new tool for use in species differentiation and delineation of systematic relationships within the <i>Campylobacter</i> genus. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 3071-81	4.8	29
27	DNA-sensing inflammasomes: regulation of bacterial host defense and the gut microbiota. <i>Pathogens and Disease</i> , 2016 , 74, ftw028	4.2	29
26	Is <i>Campylobacter</i> to esophageal adenocarcinoma as <i>Helicobacter</i> is to gastric adenocarcinoma?. <i>Trends in Microbiology</i> , 2015 , 23, 455-62	12.4	27
25	<i>Bacillus cereus</i> non-haemolytic enterotoxin activates the NLRP3 inflammasome. <i>Nature Communications</i> , 2020 , 11, 760	17.4	26
24	<i>Bacillus cereus</i> : Epidemiology, Virulence Factors, and Host-Pathogen Interactions. <i>Trends in Microbiology</i> , 2021 , 29, 458-471	12.4	25
23	Detrimental Type I Interferon Signaling Dominates Protective AIM2 Inflammasome Responses during <i>Francisella novicida</i> Infection. <i>Cell Reports</i> , 2018 , 22, 3168-3174	10.6	24
22	Molecular mechanisms activating the NAIP-NLRC4 inflammasome: Implications in infectious disease, autoinflammation, and cancer. <i>Immunological Reviews</i> , 2020 , 297, 67-82	11.3	17
21	Cell biology of inflammasome activation. <i>Trends in Cell Biology</i> , 2021 , 31, 924-939	18.3	16
20	Caspase-1-dependent inflammasomes mediate photoreceptor cell death in photo-oxidative damage-induced retinal degeneration. <i>Scientific Reports</i> , 2020 , 10, 2263	4.9	13
19	DOCK2 confers immunity and intestinal colonization resistance to <i>Citrobacter rodentium</i> infection. <i>Scientific Reports</i> , 2016 , 6, 27814	4.9	12
18	Inflammasomes in Colitis and Colorectal Cancer: Mechanism of Action and Therapies. <i>Yale Journal of Biology and Medicine</i> , 2019 , 92, 481-498	2.4	11

17	Activation mechanisms of inflammasomes by bacterial toxins. <i>Cellular Microbiology</i> , 2021 , 23, e13309	3.9	9
16	MicroRNA-223 Regulates Retinal Function and Inflammation in the Healthy and Degenerating Retina. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 516	5.7	8
15	DDX3X: stressing the NLRP3 inflammasome. <i>Cell Research</i> , 2019 , 29, 969-970	24.7	6
14	NLRP9b: a novel RNA-sensing inflammasome complex. <i>Cell Research</i> , 2017 , 27, 1302-1303	24.7	6
13	A20 is a regulator of necroptosis. <i>Nature Immunology</i> , 2015 , 16, 596-7	19.1	6
12	Gasdermins deliver a deadly punch to cancer. <i>Cell Research</i> , 2020 , 30, 463-464	24.7	5
11	Campylobacter concisus: a new character in the Crohn's disease story?. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 1614-5	9.7	5
10	Interferon- γ primes macrophages for pathogen ligand-induced killing via a caspase-8 and mitochondrial cell death pathway.. <i>Immunity</i> , 2022 ,	32.3	5
9	Functional relationship between Campylobacter concisus and the stomach ecosystem in health and disease. <i>ISME Journal</i> , 2013 , 7, 2245-7	11.9	4
8	Captain GBP1: inflammasomes assemble, pyroptotic endgame. <i>Nature Immunology</i> , 2020 , 21, 829-830	19.1	3
7	Multi-omics of the esophageal microenvironment identifies signatures associated with progression of Barrett's esophagus. <i>Genome Medicine</i> , 2021 , 13, 133	14.4	3
6	ALPK1: innate attraction to the sweetness of bacteria. <i>Cell Research</i> , 2018 , 28, 1125-1126	24.7	2
5	Campylobacter 2015 , 1187-1236		1
4	Downloads: Stats for papers let authors track impact. <i>Nature</i> , 2011 , 476, 399	50.4	1
3	Context-dependent functions of pattern recognition receptors in cancer.. <i>Nature Reviews Cancer</i> , 2022 ,	31.3	1
2	Streptococcus makes the cut: Gasdermin A-induced pyroptosis.. <i>Cell Host and Microbe</i> , 2022 , 30, 410-412	23.4	0
1	Type I Interferon Keeps IL-1 β in Check. <i>Cell Host and Microbe</i> , 2016 , 19, 272-4	23.4	