

# Bobby J Cherayil

## List of Publications by Year in descending order

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43  
papers

2,029  
citations

218381

26  
h-index

276539

41  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmentally regulated I $\alpha$ B expression in intestinal epithelium and susceptibility to flagellin-induced inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7404-7408.	3.3	203
2	Attenuated Inflammatory Responses in Hemochromatosis Reveal a Role for Iron in the Regulation of Macrophage Cytokine Translation. Journal of Immunology, 2008, 181, 2723-2731.	0.4	141
3	The role of iron in the immune response to bacterial infection. Immunologic Research, 2011, 50, 1-9.	1.3	140
4	The Iron Efflux Protein Ferroportin Regulates the Intracellular Growth of Salmonella enterica. Infection and Immunity, 2006, 74, 3065-3067.	1.0	137
5	Selective modulation of TLR4-activated inflammatory responses by altered iron homeostasis in mice. Journal of Clinical Investigation, 2009, 119, 3322-8.	3.9	135
6	Iron and Immunity: Immunological Consequences of Iron Deficiency and Overload. Archivum Immunologiae Et Therapiae Experimentalis, 2010, 58, 407-415.	1.0	124
7	Developmentally Regulated Intestinal Expression of IFN- $\gamma$ and Its Target Genes and the Age-Specific Response to Enteric <i>Salmonella</i> Infection. Journal of Immunology, 2005, 175, 1127-1136.	0.4	98
8	Deficiency of Indoleamine 2,3-Dioxygenase Enhances Commensal-Induced Antibody Responses and Protects against <i>Citrobacter rodentium</i> -Induced Colitis. Infection and Immunity, 2008, 76, 3045-3053.	1.0	74
9	Intestinal microbes influence development of thymic lymphocytes in early life. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2570-2578.	3.3	65
10	Role of Ferroportin in Macrophage-Mediated Immunity. Infection and Immunity, 2010, 78, 5099-5106.	1.0	60
11	Low dietary iron intake restrains the intestinal inflammatory response and pathology of enteric infection by foodborne bacterial pathogens. European Journal of Immunology, 2015, 45, 2553-2567.	1.6	56
12	Indoleamine 2,3-dioxygenase in intestinal immunity and inflammation. Inflammatory Bowel Diseases, 2009, 15, 1391-1396.	0.9	55
13	The bone morphogenetic protein- $\alpha$ hepcidin axis as a therapeutic target in inflammatory bowel disease. Inflammatory Bowel Diseases, 2012, 18, 112-119.	0.9	55
14	Cooperative Interactions between Flagellin and SopE2 in the Epithelial Interleukin-8 Response to Salmonella enterica Serovar Typhimurium Infection. Infection and Immunity, 2004, 72, 5052-5062.	1.0	54
15	Ironing Out the Wrinkles in Host Defense: Interactions between Iron Homeostasis and Innate Immunity. Journal of Innate Immunity, 2009, 1, 455-464.	1.8	53
16	Role of Antilipopolysaccharide Antibodies in Serum Bactericidal Activity against Salmonella enterica Serovar Typhimurium in Healthy Adults and Children in the United States. Vaccine Journal, 2013, 20, 1491-1498.	3.2	51
17	Role of Toll-Like Receptor 4 in Macrophage Activation and Tolerance during Salmonella enterica Serovar Typhimurium Infection. Infection and Immunity, 2003, 71, 4873-4882.	1.0	46
18	Salmonella enterica Serovar Typhimurium-Dependent Regulation of Inducible Nitric Oxide Synthase Expression in Macrophages by Invasins SipB, SipC, and SipD and Effector SopE2. Infection and Immunity, 2000, 68, 5567-5574.	1.0	41

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19	Intestinal Inflammation Modulates Expression of the Iron-Regulating Hormone Hepcidin Depending on Erythropoietic Activity and the Commensal Microbiota. <i>Journal of Immunology</i> , 2014, 193, 1398-1407.	0.4	40
20	Helminth Infection Impairs Autophagy-Mediated Killing of Bacterial Enteropathogens by Macrophages. <i>Journal of Immunology</i> , 2012, 189, 1459-1466.	0.4	38
21	Commensal Bacteria-induced Interleukin 1 $\beta$ (IL-1 $\beta$ ) Secreted by Macrophages Up-regulates Hepcidin Expression in Hepatocytes by Activating the Bone Morphogenetic Protein Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 30637-30647.	1.6	37
22	Inducible nitric oxide synthase and Salmonella infection. <i>Microbes and Infection</i> , 2001, 3, 771-776.	1.0	36
23	Siderocalin inhibits the intracellular replication of <i>Mycobacterium tuberculosis</i> in macrophages. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 58, 138-145.	2.7	35
24	Iron and intestinal immunity. <i>Current Opinion in Gastroenterology</i> , 2011, 27, 523-528.	1.0	35
25	Tumor Necrosis Factor $\alpha$ Inhibits Expression of the Iron Regulating Hormone Hepcidin in Murine Models of Innate Colitis. <i>PLoS ONE</i> , 2012, 7, e38136.	1.1	32
26	Iron and inflammation – the gut reaction. <i>Metallomics</i> , 2017, 9, 101-111.	1.0	29
27	Regulation of Lipopolysaccharide-Induced Translation of Tumor Necrosis Factor-Alpha by the Toll-Like Receptor 4 Adaptor Protein TRAM. <i>Journal of Innate Immunity</i> , 2011, 3, 437-446.	1.8	20
28	Antibiotic Treatment Induces Long-lasting Changes in the Fecal Microbiota that Protect Against Colitis. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 2328-2340.	0.9	20
29	Spheres of Influence: Insights into Salmonella Pathogenesis from Intestinal Organoids. <i>Microorganisms</i> , 2020, 8, 504.	1.6	18
30	Pathophysiology of Iron Homeostasis during Inflammatory States. <i>Journal of Pediatrics</i> , 2015, 167, S15-S19.	0.9	16
31	Commensal Bacteria-Induced Inflammasome Activation in Mouse and Human Macrophages Is Dependent on Potassium Efflux but Does Not Require Phagocytosis or Bacterial Viability. <i>PLoS ONE</i> , 2016, 11, e0160937.	1.1	14
32	The YrbE phospholipid transporter of <i>Salmonella enterica</i> serovar Typhi regulates the expression of flagellin and influences motility, adhesion and induction of epithelial inflammatory responses. <i>Gut Microbes</i> , 2020, 11, 526-538.	4.3	12
33	Serum-induced up-regulation of hepcidin expression involves the bone morphogenetic protein signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 383-386.	1.0	11
34	How not to get bugged by bugs: mechanisms of cellular tolerance to microorganisms. <i>Current Opinion in Gastroenterology</i> , 2003, 19, 572-577.	1.0	8
35	Cross-talk between iron homeostasis and intestinal inflammation. <i>Gut Microbes</i> , 2010, 1, 65-69.	4.3	8
36	The commensal bacterium <i>Bacteroides fragilis</i> down-regulates ferroportin expression and alters iron homeostasis in macrophages. <i>Journal of Leukocyte Biology</i> , 2019, 106, 1079-1088.	1.5	8

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37	Toll-like receptor 4 mutation impairs the macrophage TNF $\alpha$ response to peptidoglycan. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 91-96.	1.0	6
38	Effect of Human Immunodeficiency Virus Infection on Plasma Bactericidal Activity against <i>Salmonella enterica</i> Serovar Typhimurium. <i>Vaccine Journal</i> , 2014, 21, 1437-1442.	3.2	6
39	Serum siderocalin levels in patients with tuberculosis and HIV infection. <i>International Journal of Infectious Diseases</i> , 2019, 85, 132-134.	1.5	6
40	RXR $\alpha$ Regulates the Development of Resident Tissue Macrophages. <i>ImmunoHorizons</i> , 2022, 6, 366-372.	0.8	5
41	Intestinal Inflammation Leads to a Long-lasting Increase in Resistance to Systemic Salmonellosis that Requires Macrophages But Not B or T Lymphocytes at the Time of Pathogen Challenge. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 2758-2765.	0.9	1
42	NF- $\kappa$ B-dependent responses activated by bacterial-epithelial interactions. , 0, , 244-268.		0
43	Response to Comment on "Intestinal Inflammation Modulates Expression of the Iron-Regulating Hormone Hepcidin Depending on Erythropoietic Activity and the Commensal Microbiota" <i>Journal of Immunology</i> , 2014, 193, 5763.2-5763.	0.4	0