

# Kris Chadee

## List of Publications by Year in descending order

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99  
papers

4,723  
citations

87723

38  
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102304

66  
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102  
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102  
docs citations

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times ranked

5726  
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#	ARTICLE	IF	CITATIONS
1	<i>Giardia duodenalis</i> cysteine proteases cleave proteinase-activated receptor-2 to regulate intestinal goblet cell mucin gene expression. <i>International Journal for Parasitology</i> , 2022, 52, 285-292.	1.3	7
2	The colonic pathogen <i>Entamoeba histolytica</i> activates caspase-4/1 that cleaves the pore-forming protein gasdermin D to regulate IL-1 $\beta$ secretion. <i>PLoS Pathogens</i> , 2022, 18, e1010415.	2.1	8
3	Muc2 Mucin and Nonmucin Microbiota Confer Distinct Innate Host Defense in Disease Susceptibility and Colonic Injury. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 77-98.	2.3	28
4	<i>Entamoeba histolytica</i> exploits the autophagy pathway in macrophages to trigger inflammation in disease pathogenesis. <i>Mucosal Immunology</i> , 2021, 14, 1038-1054.	2.7	7
5	<i>Entamoeba histolytica</i> Induced Activation of Caspase-4 Regulates Gasdermin D Cleavage to Mediate IL-1 $\beta$ Secretion in Macrophages. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
6	FCGBP stabilizes colonic MUC2 mucin structural integrity in innate host defense against <i>Entamoeba histolytica</i> . <i>FASEB Journal</i> , 2021, 35, .	0.2	0
7	<i>Entamoeba histolytica</i> . <i>Trends in Parasitology</i> , 2021, 37, 676-677.	1.5	2
8	The NF- $\kappa$ B Pathway: Modulation by <i>Entamoeba histolytica</i> and Other Protozoan Parasites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 748404.	1.8	7
9	Autophagy is required during high MUC2 mucin biosynthesis in colonic goblet cells to contend metabolic stress. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G489-G499.	1.6	9
10	<i>Entamoeba histolytica</i> activation of caspase-1 degrades cullin that attenuates NF- $\kappa$ B dependent signaling from macrophages. <i>PLoS Pathogens</i> , 2021, 17, e1009936.	2.1	3
11	The delicate balance between <i>Entamoeba histolytica</i> , mucus and microbiota. <i>Gut Microbes</i> , 2020, 11, 118-125.	4.3	29
12	<i>Entamoeba histolytica</i> stimulates the alarmin molecule HMGB1 from macrophages to amplify innate host defenses. <i>Mucosal Immunology</i> , 2020, 13, 344-356.	2.7	8
13	Role of inflammasomes in innate host defense against <i>Entamoeba histolytica</i> . <i>Journal of Leukocyte Biology</i> , 2020, 108, 801-812.	1.5	7
14	Increased intestinal permeability exacerbates sepsis through reduced hepatic SCD-1 activity and dysregulated iron recycling. <i>Nature Communications</i> , 2020, 11, 483.	5.8	45
15	<i>Entamoeba Histolytica: Biology and Host Immunity.</i> , 2019, , .		0
16	Functional Characterization of an Interferon Gamma Receptor-Like Protein on <i>Entamoeba histolytica</i> . <i>Infection and Immunity</i> , 2019, 87, .	1.0	8
17	VAMP8-mediated MUC2 mucin exocytosis from colonic goblet cells maintains innate intestinal homeostasis. <i>Nature Communications</i> , 2019, 10, 4306.	5.8	58
18	<i>Entamoeba histolytica</i> Interaction with Enteropathogenic <i>Escherichia coli</i> Increases Parasite Virulence and Inflammation in Amebiasis. <i>Infection and Immunity</i> , 2019, 87, .	1.0	14

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19	Entamoeba histolytica-induced IL-1 $\beta$ secretion is dependent on caspase-4 and gasdermin D. Mucosal Immunology, 2019, 12, 323-339.	2.7	20
20	Defining a Role for MUC2 Mucin-Associated Proteins in Colitis and Restitution. FASEB Journal, 2019, 33, 34.1.	0.2	0
21	Entamoeba histolytica Alters Ileal Paneth Cell Functions in Intact and Muc2 Mucin Deficiency. Infection and Immunity, 2018, 86, .	1.0	7
22	High MUC2 Mucin Expression and Misfolding Induce Cellular Stress, Reactive Oxygen Production, and Apoptosis in Goblet Cells. American Journal of Pathology, 2018, 188, 1354-1373.	1.9	52
23	Defining cooperative roles for colonic microbiota and Muc2 mucin in mediating innate host defense against Entamoeba histolytica. PLoS Pathogens, 2018, 14, e1007466.	2.1	30
24	High MUC2 Mucin Biosynthesis in Goblet Cells Impedes Restitution and Wound Healing by Elevating Endoplasmic Reticulum Stress and Altered Production of Growth Factors. American Journal of Pathology, 2018, 188, 2025-2041.	1.9	20
25	Entamoeba histolytica Cyclooxygenase-Like Protein Regulates Cysteine Protease Expression and Virulence. Frontiers in Cellular and Infection Microbiology, 2018, 8, 447.	1.8	8
26	Protease Activated Receptor-2 Mediates Giardia-Induced Disruptions of the Intestinal Mucus Barrier. FASEB Journal, 2018, 32, 286.11.	0.2	1
27	MUC2 Mucin and Butyrate Contribute to the Synthesis of the Antimicrobial Peptide Cathelicidin in Response to Entamoeba histolytica- and Dextran Sodium Sulfate-Induced Colitis. Infection and Immunity, 2017, 85, .	1.0	56
28	Probiotic mixture VSL#3 reduces colonic inflammation and improves intestinal barrier function in Muc2 mucin-deficient mice. American Journal of Physiology - Renal Physiology, 2017, 312, G34-G45.	1.6	72
29	Entamoeba histolytica: Host parasite interactions at the colonic epithelium. Tissue Barriers, 2017, 5, e1283386.	1.6	56
30	Entamoeba histolytica-Induced Mucin Exocytosis Is Mediated by VAMP8 and Is Critical in Mucosal Innate Host Defense. MBio, 2017, 8, .	1.8	26
31	Cysteine Protease-Dependent Mucous Disruptions and Differential Mucin Gene Expression in Giardia duodenalis Infection. American Journal of Pathology, 2017, 187, 2486-2498.	1.9	60
32	The macrophage cytoskeleton acts as a contact sensor upon interaction with Entamoeba histolytica to trigger IL-1 $\beta$ secretion. PLoS Pathogens, 2017, 13, e1006592.	2.1	26
33	Human Amebiasis: Insight into the Biology and Immunopathogenesis. Neglected Tropical Diseases, 2017, , 65-82.	0.4	3
34	VAMP8 mucin exocytosis attenuates intestinal pathogenesis by Entamoeba histolytica. Microbial Cell, 2017, 4, 426-427.	1.4	4
35	Entamoeba histolytica Cysteine Proteinase 5 Evokes Mucin Exocytosis from Colonic Goblet Cells via $\alpha$ 5 $\beta$ 3 Integrin. PLoS Pathogens, 2016, 12, e1005579.	2.1	53
36	NLRP3 inflammasome inhibition is disrupted in a group of auto-inflammatory disease CAPS mutations. Nature Immunology, 2016, 17, 1176-1186.	7.0	216

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37	Immune Evasion Mechanisms of <i>Entamoeba histolytica</i> : Progression to Disease. <i>Frontiers in Microbiology</i> , 2015, 6, 1394.	1.5	48
38	The NLRP3 Inflammasome Is a Pathogen Sensor for Invasive <i>Entamoeba histolytica</i> via Activation of $\beta$ 5 $\beta$ 1 Integrin at the Macrophage-Amebae Intercellular Junction. <i>PLoS Pathogens</i> , 2015, 11, e1004887.	2.1	72
39	Roles and regulation of the mucus barrier in the gut. <i>Tissue Barriers</i> , 2015, 3, e982426.	1.6	331
40	Distinct Roles of the Mucus Layer and Microbiota in Conferring Innate Host Defense and Susceptibility to Disease. <i>FASEB Journal</i> , 2015, 29, 507.7.	0.2	0
41	High MUC2 Production in Goblet Cells Induces ER Stress and Exhibit Increase Susceptibility to Apoptosis. <i>FASEB Journal</i> , 2015, 29, 148.2.	0.2	0
42	<i>Entamoeba histolytica</i> Induces Pro-inflammatory Mediator HMGB1 Release in Early Contact with Macrophage. <i>FASEB Journal</i> , 2015, 29, 507.3.	0.2	0
43	<i>Giardia duodenalis</i> Depletes Goblet Cell Mucins and Degrades MUC2, Facilitating Bacterial Translocation. <i>FASEB Journal</i> , 2015, 29, 507.1.	0.2	4
44	Loss of EP2 Receptor Subtype in Colonic Cells Compromise Epithelial Barrier Integrity by Altering Claudin-4. <i>PLoS ONE</i> , 2014, 9, e113270.	1.1	9
45	The future for vaccine development against <i>Entamoeba histolytica</i> . <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 1514-1521.	1.4	68
46	How the Discovery of TNF- $\beta$ Has Advanced Gastrointestinal Diseases and Treatment Regimes. <i>Digestive Diseases and Sciences</i> , 2014, 59, 712-715.	1.1	3
47	<i>Entamoeba histolytica</i> induces caspase-4/11 activation in inflammasome signaling (152.5). <i>FASEB Journal</i> , 2014, 28, 152.5.	0.2	0
48	Unraveling the mechanism on how <i>Entamoeba histolytica</i> evokes MUC2 exocytosis (152.3). <i>FASEB Journal</i> , 2014, 28, .	0.2	0
49	<i>Entamoeba histolytica</i> evades innate immunity by triggering the degradation of macrophage cytoskeletal-associated proteins (152.4). <i>FASEB Journal</i> , 2014, 28, 152.4.	0.2	1
50	High MUC2 production in goblet cells causes increased susceptibility to ER stress and apoptosis (151.4). <i>FASEB Journal</i> , 2014, 28, 151.4.	0.2	1
51	<i>Entamoeba histolytica</i> Exacerbates Epithelial Tight Junction Permeability and Proinflammatory Responses in Muc2 Mice. <i>American Journal of Pathology</i> , 2013, 182, 852-865.	1.9	72
52	<i>Entamoeba histolytica</i> Contains an Occludin-Like Protein That Can Alter Colonic Epithelial Barrier Function. <i>PLoS ONE</i> , 2013, 8, e73339.	1.1	13
53	Antimicrobial Human $\beta$ -Defensins in the Colon and Their Role in Infectious and Non-Infectious Diseases. <i>Pathogens</i> , 2013, 2, 177-192.	1.2	75
54	The Probiotic Mixture VSL#3 Accelerates Gastric Ulcer Healing by Stimulating Vascular Endothelial Growth Factor. <i>PLoS ONE</i> , 2013, 8, e58671.	1.1	62

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55	Lymphocytic Colitis Is Associated with Increased Pro-Inflammatory Cytokine Profile and Up Regulation of Prostaglandin Receptor EP4. PLoS ONE, 2013, 8, e61891.	1.1	19
56	NLRP3 Inflammasome is terminated by PGE 2 $\rightarrow$ cAMP $\rightarrow$ PKA signaling. FASEB Journal, 2013, 27, 138.7.	0.2	0
57	High MUC2 production in goblet cells caused ER stress and susceptibility to apoptosis. FASEB Journal, 2013, 27, 1086.12.	0.2	0
58	Prostaglandin $E_2$ modulates IL $\beta$ expression through formation of a multiprotein enhanceosome in human colonic epithelial cells. European Journal of Immunology, 2012, 42, 912-923.	1.6	20
59	Inflammasome Activation Triggered by the Cysteine Proteases of Entamoeba histolytica. FASEB Journal, 2012, 26, 276.5.	0.2	0
60	Muc2-Deficient Mice Display a Sex-Specific, COX-2-Related Impairment of Gastric Mucosal Repair. American Journal of Pathology, 2011, 178, 1126-1133.	1.9	20
61	Prostaglandin E2 Produced by Entamoeba histolytica Signals via EP4 Receptor and Alters Claudin-4 to Increase Ion Permeability of Tight Junctions. American Journal of Pathology, 2011, 179, 807-818.	1.9	64
62	Fusobacterium nucleatum Infection of Colonic Cells Stimulates MUC2 Mucin and Tumor Necrosis Factor Alpha. Infection and Immunity, 2011, 79, 2597-2607.	1.0	126
63	Fusobacterium nucleatum. Gut Microbes, 2011, 2, 294-298.	4.3	134
64	Entamoeba histolytica Cathepsin-Like Enzymes. Advances in Experimental Medicine and Biology, 2011, 712, 62-83.	0.8	23
65	Tumor Necrosis Factor- $\alpha$ and Muc2 Mucin Play Major Roles in Disease Onset and Progression in Dextran Sodium Sulphate-Induced Colitis. PLoS ONE, 2011, 6, e25058.	1.1	82
66	The immunopathogenesis of Entamoeba histolytica. Experimental Parasitology, 2010, 126, 366-380.	0.5	164
67	Entamoeba histolytica Cysteine Proteinase 5 Binds Integrin on Colonic Cells and Stimulates NF $\kappa$ B-mediated Pro-inflammatory Responses. Journal of Biological Chemistry, 2010, 285, 35497-35504.	1.6	90
68	Muc2 Protects against Lethal Infectious Colitis by Disassociating Pathogenic and Commensal Bacteria from the Colonic Mucosa. PLoS Pathogens, 2010, 6, e1000902.	2.1	501
69	Recent discoveries in the pathogenesis and immune response toward Entamoeba histolytica. Future Microbiology, 2009, 4, 105-118.	1.0	35
70	Role of Intestinal Mucins in Innate Host Defense Mechanisms against Pathogens. Journal of Innate Immunity, 2009, 1, 123-135.	1.8	262
71	Toll-Like Receptor 9-Dependent Macrophage Activation by Entamoeba histolytica DNA. Infection and Immunity, 2008, 76, 289-297.	1.0	46
72	Prostaglandin $E_2$ Produced by Entamoeba histolytica Binds to EP4 Receptors and Stimulates Interleukin-8 Production in Human Colonic Cells. Infection and Immunity, 2008, 76, 5158-5163.	1.0	45

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73	Biologic Therapies Against Inflammatory Bowel Disease: A Dysregulated Immune System and the Cross Talk with Gastrointestinal Mucosa Hold the Key. <i>Current Molecular Pharmacology</i> , 2008, 1, 195-212.	0.7	51
74	ROLE OF PROSTAGLANDIN TRANSPORTER IN PROSTAGLANDIN E2 INDUCED COLONIC EPITHELIAL BARRIER ALTERATIONS. <i>FASEB Journal</i> , 2008, 22, 328.10.	0.2	0
75	Induction of immune tolerance through an IL-10 dependent mechanism allows <i>Entamoeba histolytica</i> successful colozation in the colon. <i>FASEB Journal</i> , 2008, 22, 320.8.	0.2	0
76	Induction of Monocyte Chemotactic Protein 1 in Colonic Epithelial Cells by <i>Entamoeba histolytica</i> Is Mediated via the Phosphatidylinositol 3-Kinase/p65 Pathway. <i>Infection and Immunity</i> , 2007, 75, 1765-1770.	1.0	20
77	Intranasal Immunization with Gal-Inhibitable Lectin plus an Adjuvant of CpG Oligodeoxynucleotides Protects against <i>Entamoeba histolytica</i> Challenge. <i>Infection and Immunity</i> , 2007, 75, 4917-4922.	1.0	20
78	Activation of dendritic cells by the Gal-lectin of <i>Entamoeba histolytica</i> drives Th1 responses in vitro and in vivo. <i>European Journal of Immunology</i> , 2007, 37, 385-394.	1.6	37
79	Antisense Inhibition of <i>Entamoeba histolytica</i> Cysteine Proteases Inhibits Colonic Mucus Degradation. <i>Gastroenterology</i> , 2006, 130, 721-730.	0.6	71
80	Suppression of NF- $\kappa$ B Activation by <i>Entamoeba histolytica</i> in Intestinal Epithelial Cells Is Mediated by Heat Shock Protein 27. <i>Journal of Biological Chemistry</i> , 2006, 281, 26112-26120.	1.6	76
81	CpG-Oligodeoxynucleotide Is a Potent Adjuvant with an <i>Entamoeba histolytica</i> Gal-Inhibitable Lectin Vaccine against Amoebic Liver Abscess in Gerbils. <i>Infection and Immunity</i> , 2006, 74, 528-536.	1.0	28
82	<i>Entamoeba histolytica</i> cysteine proteases cleave the MUC2 mucin in its C-terminal domain and dissolve the protective colonic mucus gel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9298-9303.	3.3	240
83	<i>Entamoeba histolytica</i> -Secreted Products Degrade Colonic Mucin Oligosaccharides. <i>Infection and Immunity</i> , 2005, 73, 3790-3793.	1.0	35
84	Regulation of Toll-like receptor 2 expression by the Gal-lectin of <i>Entamoeba histolytica</i> . <i>FASEB Journal</i> , 2004, 18, 155-157.	0.2	57
85	DNA vaccines: designing strategies against parasitic infections. , 2004, 2, 17.		83
86	Identification and characterization of a cyclooxygenase-like enzyme from <i>Entamoeba histolytica</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13561-13566.	3.3	62
87	<i>Entamoeba histolytica</i> Cysteine Proteinases Disrupt the Polymeric Structure of Colonic Mucin and Alter Its Protective Function. <i>Infection and Immunity</i> , 2003, 71, 838-844.	1.0	115
88	Construction and immunogenicity of a codon-optimized <i>Entamoeba histolytica</i> Gal-lectin-based DNA vaccine. <i>Vaccine</i> , 2002, 20, 3244-3253.	1.7	32
89	Persistent epithelial dysfunction and bacterial translocation after resolution of intestinal inflammation. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G635-G644.	1.6	65
90	A subunit vaccine candidate region of the <i>Entamoeba histolytica</i> galactose-adherence lectin promotes interleukin-12 gene transcription and protein production in human macrophages. <i>European Journal of Immunology</i> , 2000, 30, 423-430.	1.6	34

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91	The human prostanoid DP receptor stimulates mucin secretion in LS174T cells. <i>British Journal of Pharmacology</i> , 2000, 131, 1537-1545.	2.7	38
92	<i>Entamoeba histolytica</i> Cysteine Proteinases Degrade Human Colonic Mucin and Alter Its Function. <i>Archives of Medical Research</i> , 2000, 31, S224-S225.	1.5	11
93	A subunit vaccine candidate region of the <i>Entamoeba histolytica</i> galactose-adherence lectin promotes interleukin-12 gene transcription and protein production in human macrophages. <i>European Journal of Immunology</i> , 2000, 30, 423-430.	1.6	2
94	Prostaglandin E2 stimulates rat and human colonic mucin exocytosis via the EP4 receptor. <i>Gastroenterology</i> , 1999, 117, 1352-1362.	0.6	85
95	Functional Heterogeneity of Colonic Adenocarcinoma Mucins for Inhibition of <i>Entamoeba histolytica</i> Adherence to Target Cells. <i>Journal of Eukaryotic Microbiology</i> , 1998, 45, 17S-23S.	0.8	26
96	Interleukin (IL)-2, IL-4, and Tumor Necrosis Factor- $\alpha$ Responses during <i>Entamoeba histolytica</i> Liver Abscess Development in Gerbils. <i>Journal of Infectious Diseases</i> , 1997, 175, 1176-1183.	1.9	38
97	Mucin and nonmucin secretagogue activity of <i>Entamoeba histolytica</i> and cholera toxin in rat colon. <i>Gastroenterology</i> , 1991, 100, 986-997.	0.6	54
98	Human Neutrophils Activated by Interferon- $\gamma$ and Tumour Necrosis Factor- $\alpha$ Kill <i>Entamoeba histolytica</i> Trophozoites In Vitro. <i>Journal of Leukocyte Biology</i> , 1989, 46, 270-274.	1.5	100
99	Gasdermins in Innate Host Defense Against <i>Entamoeba histolytica</i> and Other Protozoan Parasites. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3