Andre G Buret

List of Publications by Year
in descending order

95 papers	5,940 citations	46918 47 h-index	76769 74 g-index
97 all docs	97 docs citations	97 times ranked	6024 citing authors

#	Article	IF	Citations
1	Early healing events in a porcine model of contaminated wounds: effects of nanocrystalline silver on matrix metalloproteinases, cell apoptosis, and healing. Wound Repair and Regeneration, 2002, 10, 141-151.	1.5	347
2	Extra-intestinal and long term consequences of Giardia duodenalis infections. World Journal of Gastroenterology, 2013, 19, 8974.	1.4	308
3	Strain-Dependent Induction of Enterocyte Apoptosis by Giardia lamblia Disrupts Epithelial Barrier Function in a Caspase-3-Dependent Manner. Infection and Immunity, 2002, 70, 3673-3680.	1.0	215
4	Host parasite interactions and pathophysiology in Giardia infections. International Journal for Parasitology, 2011, 41, 925-933.	1.3	185
5	Intestinal infection with Giardia spp. reduces epithelial barrier function in a myosin light chain kinaseâ€"dependent fashion. Gastroenterology, 2002, 123, 1179-1190.	0.6	171
6	Hydrogen Sulfide Protects from Colitis and Restores Intestinal Microbiota Biofilm and Mucus Production. Inflammatory Bowel Diseases, 2015, 21, 1006-1017.	0.9	150
7	SGLTâ€1â€mediated glucose uptake protects intestinal epithelial cells against LPSâ€induced apoptosis and barrier defects: a novel cellular rescue mechanism?. FASEB Journal, 2005, 19, 1822-1835.	0.2	140
8	Proteinase-activated receptor 1 activation induces epithelial apoptosis and increases intestinal permeability. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11104-11109.	3.3	130
9	Giardia duodenalis induces pathogenic dysbiosis of human intestinal microbiota biofilms. International Journal for Parasitology, 2017, 47, 311-326.	1.3	125
10	Gastrointestinal biofilms in health and disease. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 314-334.	8.2	124
11	Helicobacter pylori Activates Myosin Light-Chain Kinase To Disrupt Claudin-4 and Claudin-5 and Increase Epithelial Permeability. Infection and Immunity, 2005, 73, 7844-7852.	1.0	123
12	Mechanisms by which inflammation may increase intestinal cancer risk in inflammatory bowel disease. Inflammatory Bowel Diseases, 2010, 16, 1411-1420.	0.9	123
13	PAR2activation alters colonic paracellular permeability in mice via IFN-Î³-dependent and -independent pathways. Journal of Physiology, 2004, 558, 913-925.	1.3	121
14	Anti-Inflammatory and Cytoprotective Actions of Hydrogen Sulfide: Translation to Therapeutics. Antioxidants and Redox Signaling, 2015, 22, 398-410.	2.5	120
15	Role of CD8 + and CD4 + T Lymphocytes in Jejunal Mucosal Injury during Murine Giardiasis. Infection and Immunity, 2004, 72, 3536-3542.	1.0	118
16	Mechanisms of epithelial dysfunction in giardiasis. Gut, 2007, 56, 316-317.	6.1	117
17	Campylobacter jejuni induces transcellular translocation of commensal bacteria via lipid rafts. Gut Pathogens, 2009, 1, 2.	1.6	113
18	Epidermal Growth Factor Inhibits <i>Campylobacter jejuni</i> -Induced Claudin-4 Disruption, Loss of Epithelial Barrier Function, and <i>Escherichia coli</i> Translocation. Infection and Immunity, 2008, 76, 3390-3398.	1.0	109

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19	The role of caspase-3 in lipopolysaccharide-mediated disruption of intestinal epithelial tight junctions. Canadian Journal of Physiology and Pharmacology, 2006, 84, 1043-1050.	0.7	96
20	Giardia duodenalis Cathepsin B Proteases Degrade Intestinal Epithelial Interleukin-8 and Attenuate Interleukin-8-Induced Neutrophil Chemotaxis. Infection and Immunity, 2014, 82, 2772-2787.	1.0	91
21	Hydrogen sulfide: an agent of stability at the microbiome-mucosa interface. American Journal of Physiology - Renal Physiology, 2018, 314, G143-G149.	1.6	85
22	Persistent gut barrier damage and commensal bacterial influx following eradication of Giardia infection in mice. Gut Pathogens, 2013, 5, 26.	1.6	81
23	Apoptosis, oxidative metabolism and interleukin-8 production in human neutrophils exposed to azithromycin: effects of Streptococcus pneumoniae. Journal of Antimicrobial Chemotherapy, 2000, 46, 19-26.	1.3	79
24	Post-infectious irritable bowel syndrome: Mechanistic insights into chronic disturbances following enteric infection. World Journal of Gastroenterology, 2014, 20, 3976.	1.4	79
25	A role for Campylobacter jejuni-induced enteritis in inflammatory bowel disease?. American Journal of Physiology - Renal Physiology, 2010, 298, G1-G9.	1.6	73
26	A proofâ€ofâ€concept, Phase 2 clinical trial of the gastrointestinal safety of a hydrogen sulfideâ€releasing antiâ€inflammatory drug. British Journal of Pharmacology, 2020, 177, 769-777.	2.7	72
27	Infection of human and bovine epithelial cells with Cryptosporidium andersoni induces apoptosis and disrupts tight junctional ZO-1: effects of epidermal growth factor. International Journal for Parasitology, 2003, 33, 1363-1371.	1.3	71
28	Giardia duodenalis Surface Cysteine Proteases Induce Cleavage of the Intestinal Epithelial Cytoskeletal Protein Villin via Myosin Light Chain Kinase. PLoS ONE, 2015, 10, e0136102.	1.1	70
29	<i>Giardia duodenalis</i>induces paracellular bacterial translocation and causes postinfectious visceral hypersensitivity. American Journal of Physiology - Renal Physiology, 2016, 310, G574-G585.	1.6	64
30	Src-family kinaseâ€“dependent disruption of endothelial barrier function by Plasmodium falciparum merozoite proteins. Blood, 2007, 110, 3426-3435.	0.6	63
31	SGLT-1-mediated glucose uptake protects human intestinal epithelial cells against Giardia duodenalis-induced apoptosis. International Journal for Parasitology, 2008, 38, 923-934.	1.3	61
32	Interactions of<i>Giardia sp.</i>with the intestinal barrier: Epithelium, mucus, and microbiota. Tissue Barriers, 2017, 5, e1274354.	1.6	61
33	Giardia duodenalis Infection Reduces Granulocyte Infiltration in an In Vivo Model of Bacterial Toxin-Induced Colitis and Attenuates Inflammation in Human Intestinal Tissue. PLoS ONE, 2014, 9, e109087.	1.1	61
34	Disruptions of Host Immunity and Inflammation by Giardia Duodenalis: Potential Consequences for Co-Infections in the Gastro-Intestinal Tract. Pathogens, 2015, 4, 764-792.	1.2	60
35	Cysteine Proteaseâ€“Dependent Mucous Disruptions and Differential Mucin Gene Expression in Giardia duodenalis Infection. American Journal of Pathology, 2017, 187, 2486-2498.	1.9	60
36	Effects of Hydrogen Sulfide on the Microbiome: From Toxicity to Therapy. Antioxidants and Redox Signaling, 2022, 36, 211-219.	2.5	58

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37	Mast Cell Hyperplasia and Increased Macromolecular Uptake in an Animal Model of Giardiasis. Journal of Parasitology, 1997, 83, 908.	0.3	57
38	Gonadotropin-Releasing Hormone Induction of Apoptosis in the Testes of Goldfish (Carassius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.4	57
39	Vibrio parahaemolyticus Disruption of Epithelial Cell Tight Junctions Occurs Independently of Toxin Production. Infection and Immunity, 2005, 73, 1275-1283.	1.0	56
40	Tilmicosin Induces Apoptosis in Bovine Peripheral Neutrophils in the Presence or in the Absence of Pasteurella haemolytica and Promotes Neutrophil Phagocytosis by Macrophages. Antimicrobial Agents and Chemotherapy, 2000, 44, 2465-2470.	1.4	55
41	Campylobacter jejuni Disrupts Protective Toll-Like Receptor 9 Signaling in Colonic Epithelial Cells and Increases the Severity of Dextran Sulfate Sodium-Induced Colitis in Mice. Infection and Immunity, 2012, 80, 1563-1571.	1.0	55
42	GIARDIA LAMBLIA REARRANGES F-ACTIN AND Î±-ACTININ IN HUMAN COLONIC AND DUODENAL MONOLAYERS AND REDUCES TRANSEPITHELIAL ELECTRICAL RESISTANCE. Journal of Parasitology, 2000, 86, 800.	0.3	54
43	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. PLoS ONE, 2017, 12, e0178647.	1.1	54
44	Proresolution effects of hydrogen sulfide during colitis are mediated through hypoxiaâ€inducible factorâ€1Î±. FASEB Journal, 2015, 29, 1591-1602.	0.2	52
45	Brucella abortus Induces the Premature Death of Human Neutrophils through the Action of Its Lipopolysaccharide. PLoS Pathogens, 2015, 11, e1004853.	2.1	52
46	Pathogenesis and post-infectious complications in giardiasis. Advances in Parasitology, 2020, 107, 173-199.	1.4	52
47	<i>Giardia duodenalis</i>-induced alterations of commensal bacteria kill<i>Caenorhabditis elegans</i>: a new model to study microbial-microbial interactions in the gut. American Journal of Physiology - Renal Physiology, 2015, 308, G550-G561.	1.6	50
48	Activation of proteinaseâ€activated receptor 1 stimulates epithelial chloride secretion through a unique MAP kinaseâ€and cycloâ€oxygenaseâ€dependent pathway. FASEB Journal, 2002, 16, 1515-1525.	0.2	48
49	Bile-Salt-Hydrolases from the Probiotic Strain Lactobacillus johnsonii La1 Mediate Anti-giardial Activity in Vitro and in Vivo. Frontiers in Microbiology, 2017, 8, 2707.	1.5	48
50	LPS/CD14 activation triggers SGLT-1-mediated glucose uptake and cell rescue in intestinal epithelial cells via early apoptotic signals upstream of caspase-3. Experimental Cell Research, 2006, 312, 3276-3286.	1.2	46
51	Interleukin-1 receptor phosphorylation activates Rho kinase to disrupt human gastric tight junctional claudin-4 during<i>Helicobacter pylori</i>infection. Cellular Microbiology, 2010, 12, 692-703.	1.1	45
52	Helicobacter pylori Activates Calpain via Toll-Like Receptor 2 To Disrupt Adherens Junctions in Human Gastric Epithelial Cells. Infection and Immunity, 2011, 79, 3887-3894.	1.0	43
53	Long term platelet responses to Helicobacter pylori eradication in Canadian patients with immune thrombocytopenic purpura. International Journal of Hematology, 2008, 88, 212-218.	0.7	42
54	The role of epithelial malfunction in the pathogenesis of enteropathogenic E. coli-induced diarrhea. Laboratory Investigation, 2009, 89, 964-970.	1.7	42

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55	Giardia duodenalisAssemblage-Specific Induction of Apoptosis and Tight Junction Disruption in Human Intestinal Epithelial Cells: Effects of Mixed Infections. Journal of Parasitology, 2013, 99, 353-358.	0.3	42
56	Giardia spp. and the Gut Microbiota: Dangerous Liaisons. Frontiers in Microbiology, 2020, 11, 618106.	1.5	42
57	Gastrointestinal Parasites and the Neural Control of Gut Functions. Frontiers in Cellular Neuroscience, 2015, 9, 452.	1.8	41
58	Deciphering the pathogenesis of NSAID enteropathy using proton pump inhibitors and a hydrogen sulfide-releasing NSAID. American Journal of Physiology - Renal Physiology, 2015, 308, G994-G1003.	1.6	41
59	Giardia duodenalis: New Research Developments in Pathophysiology, Pathogenesis, and Virulence Factors. Current Tropical Medicine Reports, 2015, 2, 110-118.	1.6	39
60	Active thrombin produced by the intestinal epithelium controls mucosal biofilms. Nature Communications, 2019, 10, 3224.	5.8	39
61	Strain-dependent induction of epithelial cell oncosis by Campylobacter jejuni is correlated with invasion ability and is independent of cytolethal distending toxin. Microbiology (United Kingdom), 2007, 153, 2952-2963.	0.7	36
62	Interleukin-18 facilitates neutrophil transmigration via myosin light chain kinase-dependent disruption of occludin, without altering epithelial permeability. American Journal of Physiology - Renal Physiology, 2012, 302, G343-G351.	1.6	34
63	Modeling Host-Microbiome Interactions in <i>Caenorhabditis elegans</i>. Journal of Nematology, 2017, 49, 348-356.	0.4	32
64	Immuno-modulation and anti-inflammatory benefits of antibiotics: the example of tilmicosin. Canadian Journal of Veterinary Research, 2010, 74, 1-10.	0.2	32
65	Campylobacter jejuni Increases Flagellar Expression and Adhesion of Noninvasive Escherichia coli: Effects on Enterocytic Toll-Like Receptor 4 and CXCL-8 Expression. Infection and Immunity, 2015, 83, 4571-4581.	1.0	31
66	Direct and Indirect Anti-Inflammatory Effects of Tulathromycin in Bovine Macrophages: Inhibition of CXCL-8 Secretion, Induction of Apoptosis, and Promotion of Efferocytosis. Antimicrobial Agents and Chemotherapy, 2013, 57, 1385-1393.	1.4	30
67	Iron Sequestration in Microbiota Biofilms As A Novel Strategy for Treating Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2018, 24, 1493-1502.	0.9	30
68	Giardia Cysteine Proteases: The Teeth behind the Smile. Trends in Parasitology, 2019, 35, 636-648.	1.5	29
69	Mechanisms of intestinal tight junctional disruption during infection. Frontiers in Bioscience - Landmark, 2008, Volume, 7008.	3.0	29
70	Tight junctional disruption and apoptosis in an in vitro model of Citrobacter rodentium infection. Microbial Pathogenesis, 2008, 45, 98-104.	1.3	28
71	Caspases-3, -8, and -9 are required for induction of epithelial cell apoptosis by enteropathogenic E. coli but are dispensable for increased paracellular permeability. Microbial Pathogenesis, 2008, 44, 311-319.	1.3	26
72	How Stress Induces Intestinal Hypersensitivity. American Journal of Pathology, 2006, 168, 3-5.	1.9	25

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73	Enhanced Analgesic Effects and Gastrointestinal Safety of a Novel, Hydrogen Sulfide-Releasing Anti-Inflammatory Drug (ATB-352): A Role for Endogenous Cannabinoids. Antioxidants and Redox Signaling, 2020, 33, 1003-1009.	2.5	25
74	Anti-inflammatory effects of retinoids and carotenoid derivatives on caspase-3â€“dependent apoptosis and efferocytosis of bovine neutrophils. American Journal of Veterinary Research, 2014, 75, 1064-1075.	0.3	24
75	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. International Journal for Parasitology, 2020, 50, 263-275.	1.3	22
76	Modulatory mechanisms of enterocyte apoptosis by viral, bacterial and parasitic pathogens. Critical Reviews in Microbiology, 2014, 40, 1-17.	2.7	21
77	Anti-Inflammatory Benefits of Antibiotics: Tylvalosin Induces Apoptosis of Porcine Neutrophils and Macrophages, Promotes Efferocytosis, and Inhibits Pro-Inflammatory CXCL-8, IL1Î±, and LTB4 Production, While Inducing the Release of Pro-Resolving Lipoxin A4 and Resolvin D1. Frontiers in Veterinary Science, 2018, 5, 57.	0.9	20
78	Increased Mucosal Thrombin is Associated with Crohnâ€™s Disease and Causes Inflammatory Damage through Protease-activated Receptors Activation. Journal of Crohn's and Colitis, 2021, 15, 787-799.	0.6	19
79	Interleukin-8 in gastrointestinal inflammation and malignancy: induction and clinical consequences. International Journal of Interferon, Cytokine and Mediator Research, 2016, , 13.	1.1	18
80	Modeling Host-Microbiome Interactions in. Journal of Nematology, 2017, 49, 348-356.	0.4	18
81	Tilmicosin-induced bovine neutrophil apoptosis is cell-specific and downregulates spontaneous LTB4 synthesis without increasing Fas expression. Veterinary Research, 2004, 35, 213-224.	1.1	17
82	Tulathromycin Exerts Proresolving Effects in Bovine Neutrophils by Inhibiting Phospholipases and Altering Leukotriene B₄, Prostaglandin E₂, and Lipoxin A₄Production. Antimicrobial Agents and Chemotherapy, 2014, 58, 4298-4307.	1.4	16
83	Immunomodulatory effects of tulathromycin on apoptosis, efferocytosis, and proinflammatory leukotriene B4 production in leukocytes from Actinobacillus pleuropneumoniaeâ€“or zymosan-challenged pigs. American Journal of Veterinary Research, 2015, 76, 507-519.	0.3	14
84	Enteric Tuft Cells in Host-Parasite Interactions. Pathogens, 2021, 10, 1163.	1.2	11
85	Apoptosis-inducing factor contributes to epithelial cell apoptosis induced by enteropathogenic <i>Escherichia coli</i>. Canadian Journal of Physiology and Pharmacology, 2011, 89, 143-148.	0.7	10
86	High-fat diet increases the severity of Giardia infection in association with low-grade inflammation and gut microbiota dysbiosis. Scientific Reports, 2021, 11, 18842.	1.6	9
87	Gutâ€derived cholecystokinin contributes to visceral hypersensitivity via nerve growth factorâ€dependent neurite outgrowth. Journal of Gastroenterology and Hepatology (Australia), 2016, 31, 1594-1603.	1.4	7
88	Giardia duodenalis cysteine proteases cleave proteinase-activated receptor-2 to regulate intestinal goblet cell mucin gene expression. International Journal for Parasitology, 2022, 52, 285-292.	1.3	7
89	Giardia lamblia Rearranges F-Actin and a-Actinin in Human Colonic and Duodenal Monolayers and Reduces Transepithelial Electrical Resistance. Journal of Parasitology, 2000, 86, 800.	0.3	6
90	Good Bugs, Bad Bugs in the Gut: The Role of Microbiota Dysbiosis in Chronic Gastrointestinal Consequences of Infection. American Journal of Gastroenterology Supplements (Print), 2016, 3, 25-32.	0.7	6

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91	Host Epithelial Interactions with Helicobacter Pylori: A Role for Disrupted Gastric Barrier Function in the Clinical Outcome of Infection?. Canadian Journal of Gastroenterology & Hepatology, 2005, 19, 543-552.	1.8	5
92	Effects of Azithromycin on Behavior, Pathologic Signs, and Changes in Cytokines, Chemokines, and Neutrophil Migration in C57BL/6 Mice Exposed to Dextran Sulfate Sodium. Comparative Medicine, 2019, 69, 4-15.	0.4	5
93	Enteropathogen-Induced Microbiota Biofilm Disruptions and Post-Infectious Intestinal Inflammatory Disorders. Current Tropical Medicine Reports, 2016, 3, 94-101.	1.6	3
94	Pathophysiological Processes and Clinical Manifestations of Giardiasis. , 2011, , 301-318.		2
95	Acceptance of the 2019 Stoll-Stunkard Memorial Lectureship Award: The Study of Host-Parasite Interactions to Better Understand Fundamental Host Physiology: The Model of Giardiasis. Journal of Parasitology, 2020, 105, 955.	0.3	2