Lars Eckmann

List of Publications by Year
in descending order

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78 papers	4,258 citations	109321 35 h-index	114465 63 g-index
80 all docs	80 docs citations	80 times ranked	5813 citing authors

#	Article	IF	Citations
1	Bacteriophage targeting of gut bacterium attenuates alcoholic liver disease. Nature, 2019, 575, 505-511.	27.8	493
2	Regulated MIP-3Î±/CCL20 production by human intestinal epithelium: mechanism for modulating mucosal immunity. American Journal of Physiology - Renal Physiology, 2001, 280, G710-G719.	3.4	201
3	Mucosal defences against Giardia. Parasite Immunology, 2003, 25, 259-270.	1.5	187
4	Central Importance of Immunoglobulin A in Host Defense against Giardia spp.. Infection and Immunity, 2002, 70, 11-18.	2.2	180
5	Release of metabolic enzymes by Giardia in response to interaction with intestinal epithelial cells. Molecular and Biochemical Parasitology, 2008, 159, 85-91.	1.1	168
6	Commensal microbiota is hepatoprotective and prevents liver fibrosis in mice. FASEB Journal, 2015, 29, 1043-1055.	0.5	156
7	Opposing functions of IKKÎ² during acute and chronic intestinal inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15058-15063.	7.1	148
8	Gut-liver axis at the frontier of host-microbial interactions. American Journal of Physiology - Renal Physiology, 2017, 312, G413-G419.	3.4	148
9	A Reprofiled Drug, Auranofin, Is Effective against Metronidazole-Resistant Giardia lamblia. Antimicrobial Agents and Chemotherapy, 2013, 57, 2029-2035.	3.2	136
10	Regulated Production of the T Helper 2â€“Type T-Cell Chemoattractant TARC by Human Bronchial Epithelial CellsIn Vitroand in Human Lung Xenografts. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 382-389.	2.9	115
11	Pyruvate:ferredoxin oxidoreductase and thioredoxin reductase are involved in 5-nitroimidazole activation while flavin metabolism is linked to 5-nitroimidazole resistance in Giardia lamblia. Journal of Antimicrobial Chemotherapy, 2011, 66, 1756-1765.	3.0	103
12	Animal Models of Inflammatory Bowel Disease: Lessons from Enteric Infections. Annals of the New York Academy of Sciences, 2006, 1072, 28-38.	3.8	97
13	Microbiota Protects Mice Against Acute Alcoholâ€Induced Liver Injury. Alcoholism: Clinical and Experimental Research, 2015, 39, 2313-2323.	2.4	92
14	Skin microbiome promotes mast cell maturation by triggering stem cell factor production in keratinocytes. Journal of Allergy and Clinical Immunology, 2017, 139, 1205-1216.e6.	2.9	92
15	Polymeric Immunoglobulin Receptor in Intestinal Immune Defense against the Lumen-Dwelling Protozoan ParasiteGiardia. Journal of Immunology, 2006, 177, 6281-6290.	0.8	91
16	Should We Divide Crohnâ€™s Disease Into Ileum-Dominant and Isolated Colonic Diseases?. Clinical Gastroenterology and Hepatology, 2019, 17, 2634-2643.	4.4	85
17	Enteroinvasive bacteria directly activate expression of iNOS and NO production in human colon epithelial cells. American Journal of Physiology - Renal Physiology, 1998, 275, G564-G571.	3.4	84
18	Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production. Science, 2022, 375, 214-221.	12.6	81

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19	Development of Functional Microfold (M) Cells from Intestinal Stem Cells in Primary Human Enteroids. PLoS ONE, 2016, 11, e0148216.	2.5	78
20	IL-17A promotes protective IgA responses and expression of other potential effectors against the lumen-dwelling enteric parasite Giardia. Experimental Parasitology, 2015, 156, 68-78.	1.2	70
21	Defence molecules in intestinal innate immunity against bacterial infections. Current Opinion in Gastroenterology, 2005, 21, 147-151.	2.3	69
22	Sensor molecules in intestinal innate immunity against bacterial infections. Current Opinion in Gastroenterology, 2006, 22, 95-101.	2.3	66
23	The fecal mycobiome in non-alcoholic fatty liver disease. Journal of Hepatology, 2022, 76, 788-799.	3.7	66
24	Innate immunity and mucosal bacterial interactions in the intestine. Current Opinion in Gastroenterology, 2004, 20, 82-88.	2.3	62
25	Impaired Parasite Attachment as Fitness Cost of Metronidazole Resistance in Giardia lamblia. Antimicrobial Agents and Chemotherapy, 2011, 55, 4643-4651.	3.2	59
26	Production of MDC/CCL22 by human intestinal epithelial cells. American Journal of Physiology - Renal Physiology, 2001, 280, G1217-G1226.	3.4	57
27	Expanded therapeutic potential in activity space of next-generation 5-nitroimidazole antimicrobials with broad structural diversity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17564-17569.	7.1	57
28	Drug Development Against the Major Diarrhea-Causing Parasites of the Small Intestine, Cryptosporidium and Giardia. Frontiers in Microbiology, 2015, 6, 1208.	3.5	57
29	Regulation of Rac1 and Reactive Oxygen Species Production in Response to Infection of Gastrointestinal Epithelia. PLoS Pathogens, 2016, 12, e1005382.	4.7	55
30	Activin and TGFÎ² use diverging mitogenic signaling in advanced colon cancer. Molecular Cancer, 2015, 14, 182.	19.2	52
31	Metronidazole-triazole conjugates: Activity against Clostridium difficile and parasites. European Journal of Medicinal Chemistry, 2015, 101, 96-102.	5.5	48
32	Adaptive Immunity-Dependent Intestinal Hypermotility Contributes to Host Defense against Giardia spp.. Infection and Immunity, 2006, 74, 2473-2476.	2.2	47
33	Î±1-giardin based live heterologous vaccine protects against Giardia lamblia infection in a murine model. Vaccine, 2011, 29, 9529-9537.	3.8	42
34	Intestinal mucosal responses to microbial infection. Seminars in Immunopathology, 2005, 27, 181-196.	4.0	41
35	Hsp90 Inhibitors as New Leads To Target Parasitic Diarrheal Diseases. Antimicrobial Agents and Chemotherapy, 2014, 58, 4138-4144.	3.2	39
36	Complex Network of NKT Cell Subsets Controls Immune Homeostasis in Liver and Gut. Frontiers in Immunology, 2018, 9, 2082.	4.8	35

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37	Auranofin inactivates Trichomonas vaginalis thioredoxin reductase and is effective against trichomonads in vitro and in vivo. International Journal of Antimicrobial Agents, 2016, 48, 690-694.	2.5	32
38	ELMO1 Regulates Autophagy Induction and Bacterial Clearance During Enteric Infection. Journal of Infectious Diseases, 2017, 216, 1655-1666.	4.0	32
39	Giardia Infection of the Small Intestine Induces Chronic Colitis in Genetically Susceptible Hosts. Journal of Immunology, 2018, 201, 548-559.	0.8	30
40	Engulfment and Cell Motility Protein 1 (ELMO1) Has an Essential Role in the Internalization of Salmonella Typhimurium Into Enteric Macrophages That Impact Disease Outcome. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 311-324.	4.5	29
41	CYP2E1 Expression in Human Lymphocytes From Various Ethnic Populations. Alcoholism: Clinical and Experimental Research, 1999, 23, 1868-1874.	2.4	28
42	Murine Models of Vaginal Trichomonad Infections. American Journal of Tropical Medicine and Hygiene, 2011, 85, 667-673.	1.4	28
43	Inhibition of epithelial chloride secretion by butyrate: role of reduced adenylyl cyclase expression and activity. American Journal of Physiology - Cell Physiology, 2001, 281, C1837-C1849.	4.6	27
44	Interleukin (IL)-21 in Inflammation and Immunity During Parasitic Diseases. Frontiers in Cellular and Infection Microbiology, 2019, 9, 401.	3.9	27
45	Adaptive immune response in symptomatic and asymptomatic enteric protozoal infection: evidence for a determining role of parasite genetic heterogeneity in host immunity to human giardiasis. Microbes and Infection, 2016, 18, 687-695.	1.9	23
46	Î²7 Integrin Inhibition Can Increase Intestinal Inflammation by Impairing Homing of CD25hiFoxP3+ Regulatory T Cells. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 369-385.	4.5	22
47	Identification of Conserved Candidate Vaccine Antigens in the Surface Proteome of Giardia lamblia. Infection and Immunity, 2019, 87, .	2.2	21
48	Neutralization of cholera toxin with nanoparticle decoys for treatment of cholera. PLoS Neglected Tropical Diseases, 2018, 12, e0006266.	3.0	19
49	Composite Thermoresponsive Hydrogel with Auranofinâ€Loaded Nanoparticles for Topical Treatment of Vaginal Trichomonad Infection. Advanced Therapeutics, 2019, 2, 1900157.	3.2	19
50	Metabolomics activity screening of T cellâ€“induced colitis reveals anti-inflammatory metabolites. Science Signaling, 2021, 14, eabf6584.	3.6	19
51	T cell protein tyrosine phosphatase protects intestinal barrier function by restricting epithelial tight junction remodeling. Journal of Clinical Investigation, 2021, 131, .	8.2	18
52	The compact genome of Giardia muris reveals important steps in the evolution of intestinal protozoan parasites. Microbial Genomics, 2020, 6, .	2.0	18
53	NF-Î²B and Mucosal Homeostasis. Current Topics in Microbiology and Immunology, 2010, 349, 145-158.	1.1	15
54	Colesevelam ameliorates non-alcoholic steatohepatitis and obesity in mice. Hepatology International, 2022, 16, 359-370.	4.2	15

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55	Deazapurine Nucleoside Analogues for the Treatment of Trichomonas vaginalis. ACS Infectious Diseases, 2021, 7, 1752-1764.	3.8	14
56	Characterization of Metronidazole-Resistant Giardia intestinalis Lines by Comparative Transcriptomics and Proteomics. Frontiers in Microbiology, 2022, 13, 834008.	3.5	14
57	Validation of Babesia proteasome as a drug target. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 394-402.	3.4	13
58	Visualizing the enteric nervous system using genetically engineered double reporter mice: Comparison with immunofluorescence. PLoS ONE, 2017, 12, e0171239.	2.5	11
59	Centrally Determined Standardization of Flow Cytometry Methods Reduces Interlaboratory Variation in a Prospective Multicenter Study. Clinical and Translational Gastroenterology, 2017, 8, e126.	2.5	10
60	Click chemistry-facilitated comprehensive identification of proteins adducted by antimicrobial 5-nitroimidazoles for discovery of alternative drug targets against giardiasis. PLoS Neglected Tropical Diseases, 2020, 14, e0008224.	3.0	9
61	Comprehensive characterization of purine and pyrimidine transport activities in Trichomonas vaginalis and functional cloning of a trichomonad nucleoside transporter. Molecular Microbiology, 2021, 116, 1489-1511.	2.5	9
62	Indispensable functions of ABL and PDGF receptor kinases in epithelial adherence of attaching/effacing pathogens under physiological conditions. American Journal of Physiology - Cell Physiology, 2014, 307, C180-C189.	4.6	8
63	TLR3 signaling is downregulated by a MAVS isoform in epithelial cells. Cellular Immunology, 2016, 310, 205-210.	3.0	8
64	Microbiota and Alcoholic Liver Disease. Alcoholism: Clinical and Experimental Research, 2016, 40, 1791-1792.	2.4	8
65	Codelivery of Antigens and Adjuvant in Polymeric Nanoparticles Coated With Native Parasite Membranes Induces Protective Mucosal Immunity Against Giardia lamblia. Journal of Infectious Diseases, 2022, 226, 319-323.	4.0	8
66	Evaluation of Peroxides and Chlorine Oxides as Disinfectants for Chemical Sterilization of Gnotobiotic Rodent Isolators. Journal of the American Association for Laboratory Animal Science, 2019, 58, 558-568.	1.2	7
67	Apurinic/Apyrimidinic Endonuclease 1 Restricts the Internalization of Bacteria Into Human Intestinal Epithelial Cells Through the Inhibition of Rac1. Frontiers in Immunology, 2020, 11, 553994.	4.8	7
68	Gold(I) Phosphine Derivatives with Improved Selectivity as Topically Active Drug Leads to Overcome 5-Nitroheterocyclic Drug Resistance in Trichomonas vaginalis. Journal of Medicinal Chemistry, 2021, 64, 6608-6620.	6.4	7
69	Click Chemistry-Facilitated Structural Diversification of Nitrothiazoles, Nitrofurans, and Nitropyrroles Enhances Antimicrobial Activity against Giardia lamblia. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	6
70	Implementation of Mass Cytometry as a Tool for Mechanism of Action Studies in Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2018, 24, 2366-2376.	1.9	6
71	Importance of Interleukin-10 in Genetic Susceptibility of Mice to Coccidioides immitis. Infection and Immunity, 1998, 66, 4397-4402.	2.2	5
72	Small bowel infections. Current Opinion in Gastroenterology, 2002, 18, 197-202.	2.3	4

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73	IgG â€œDetoxesâ€•the Intestinal Mucosa. Cell Host and Microbe, 2015, 17, 538-539.	11.0	4
74	Microbiota Modulates Cardiac Transcriptional Responses to Intermittent Hypoxia and Hypercapnia. Frontiers in Physiology, 2021, 12, 680275.	2.8	4
75	Conserved metabolic enzymes as vaccine antigens for giardiasis. PLoS Neglected Tropical Diseases, 2022, 16, e0010323.	3.0	3
76	Martin F. Kagnoff, MD, January 19, 1941â€”November 16, 2014. Gastroenterology, 2015, 148, 457-458.	1.3	0
77	In Vivo 129 Murine Model of Salmonella Infection is a Powerful Tool to Examine Human Clinical Isolates. FASEB Journal, 2012, 26, 835.24.	0.5	0
78	Class Ib MHCâ€“Mediated Immune Interactions Play a Critical Role in Maintaining Mucosal Homeostasis in the Mammalian Large Intestine. ImmunoHorizons, 2021, 5, 953-971.	1.8	0