

Lars Eckmann

List of Publications by Year in descending order

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Version: 2024-02-01

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	Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production. <i>Science</i> , 2022, 375, 214-221.	12.6	81
2	Colesevelam ameliorates non-alcoholic steatohepatitis and obesity in mice. <i>Hepatology International</i> , 2022, 16, 359-370.	4.2	15
3	Characterization of Metronidazole-Resistant <i>Giardia intestinalis</i> Lines by Comparative Transcriptomics and Proteomics. <i>Frontiers in Microbiology</i> , 2022, 13, 834008.	3.5	14
4	The fecal mycobiome in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2022, 76, 788-799.	3.7	66
5	Codelivery of Antigens and Adjuvant in Polymeric Nanoparticles Coated With Native Parasite Membranes Induces Protective Mucosal Immunity Against <i>Giardia lamblia</i> . <i>Journal of Infectious Diseases</i> , 2022, 226, 319-323.	4.0	8
6	Conserved metabolic enzymes as vaccine antigens for giardiasis. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010323.	3.0	3
7	Deazapurine Nucleoside Analogues for the Treatment of <i>Trichomonas vaginalis</i> . <i>ACS Infectious Diseases</i> , 2021, 7, 1752-1764.	3.8	14
8	Gold(I) Phosphine Derivatives with Improved Selectivity as Topically Active Drug Leads to Overcome 5-Nitroheterocyclic Drug Resistance in <i>Trichomonas vaginalis</i> . <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6608-6620.	6.4	7
9	Microbiota Modulates Cardiac Transcriptional Responses to Intermittent Hypoxia and Hypercapnia. <i>Frontiers in Physiology</i> , 2021, 12, 680275.	2.8	4
10	T cell protein tyrosine phosphatase protects intestinal barrier function by restricting epithelial tight junction remodeling. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	18
11	Metabolomics activity screening of T cell-induced colitis reveals anti-inflammatory metabolites. <i>Science Signaling</i> , 2021, 14, eabf6584.	3.6	19
12	Comprehensive characterization of purine and pyrimidine transport activities in <i>Trichomonas vaginalis</i> and functional cloning of a trichomonad nucleoside transporter. <i>Molecular Microbiology</i> , 2021, 116, 1489-1511.	2.5	9
13	Class Ib MHC-Mediated Immune Interactions Play a Critical Role in Maintaining Mucosal Homeostasis in the Mammalian Large Intestine. <i>ImmunoHorizons</i> , 2021, 5, 953-971.	1.8	0
14	β 7 Integrin Inhibition Can Increase Intestinal Inflammation by Impairing Homing of CD25 ^{hi} FoxP3 ⁺ Regulatory T Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 369-385.	4.5	22
15	Click chemistry-facilitated comprehensive identification of proteins adducted by antimicrobial 5-nitroimidazoles for discovery of alternative drug targets against giardiasis. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008224.	3.0	9
16	Apurinic/Apyrimidinic Endonuclease 1 Restricts the Internalization of Bacteria Into Human Intestinal Epithelial Cells Through the Inhibition of Rac1. <i>Frontiers in Immunology</i> , 2020, 11, 553994.	4.8	7
17	The compact genome of <i>Giardia muris</i> reveals important steps in the evolution of intestinal protozoan parasites. <i>Microbial Genomics</i> , 2020, 6, .	2.0	18
18	Composite Thermoresponsive Hydrogel with Auranofin-Loaded Nanoparticles for Topical Treatment of Vaginal Trichomonad Infection. <i>Advanced Therapeutics</i> , 2019, 2, 1900157.	3.2	19

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19	Should We Divide Crohn's Disease Into Ileum-Dominant and Isolated Colonic Diseases?. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 2634-2643.	4.4	85
20	Identification of Conserved Candidate Vaccine Antigens in the Surface Proteome of <i>Giardia lamblia</i> . <i>Infection and Immunity</i> , 2019, 87, .	2.2	21
21	Evaluation of Peroxides and Chlorine Oxides as Disinfectants for Chemical Sterilization of Gnotobiotic Rodent Isolators. <i>Journal of the American Association for Laboratory Animal Science</i> , 2019, 58, 558-568.	1.2	7
22	Bacteriophage targeting of gut bacterium attenuates alcoholic liver disease. <i>Nature</i> , 2019, 575, 505-511.	27.8	493
23	Interleukin (IL)-21 in Inflammation and Immunity During Parasitic Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 401.	3.9	27
24	Complex Network of NKT Cell Subsets Controls Immune Homeostasis in Liver and Gut. <i>Frontiers in Immunology</i> , 2018, 9, 2082.	4.8	35
25	Validation of <i>Babesia</i> proteasome as a drug target. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 394-402.	3.4	13
26	<i>Giardia</i> Infection of the Small Intestine Induces Chronic Colitis in Genetically Susceptible Hosts. <i>Journal of Immunology</i> , 2018, 201, 548-559.	0.8	30
27	Implementation of Mass Cytometry as a Tool for Mechanism of Action Studies in Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 2366-2376.	1.9	6
28	Neutralization of cholera toxin with nanoparticle decoys for treatment of cholera. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006266.	3.0	19
29	Click Chemistry-Facilitated Structural Diversification of Nitrothiazoles, Nitrofurans, and Nitropyrroles Enhances Antimicrobial Activity against <i>Giardia lamblia</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	6
30	Gut-liver axis at the frontier of host-microbial interactions. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G413-G419.	3.4	148
31	ELMO1 Regulates Autophagy Induction and Bacterial Clearance During Enteric Infection. <i>Journal of Infectious Diseases</i> , 2017, 216, 1655-1666.	4.0	32
32	Skin microbiome promotes mast cell maturation by triggering stem cell factor production in keratinocytes. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1205-1216.e6.	2.9	92
33	Centrally Determined Standardization of Flow Cytometry Methods Reduces Interlaboratory Variation in a Prospective Multicenter Study. <i>Clinical and Translational Gastroenterology</i> , 2017, 8, e126.	2.5	10
34	Visualizing the enteric nervous system using genetically engineered double reporter mice: Comparison with immunofluorescence. <i>PLoS ONE</i> , 2017, 12, e0171239.	2.5	11
35	Development of Functional Microfold (M) Cells from Intestinal Stem Cells in Primary Human Enteroids. <i>PLoS ONE</i> , 2016, 11, e0148216.	2.5	78
36	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. <i>Microbes and Infection</i> , 2016, 18, 687-695.	1.9	23

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37	TLR3 signaling is downregulated by a MAVS isoform in epithelial cells. <i>Cellular Immunology</i> , 2016, 310, 205-210.	3.0	8
38	Microbiota and Alcoholic Liver Disease. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 1791-1792.	2.4	8
39	Auranofin inactivates <i>Trichomonas vaginalis</i> thioredoxin reductase and is effective against trichomonads in vitro and in vivo. <i>International Journal of Antimicrobial Agents</i> , 2016, 48, 690-694.	2.5	32
40	Regulation of Rac1 and Reactive Oxygen Species Production in Response to Infection of Gastrointestinal Epithelia. <i>PLoS Pathogens</i> , 2016, 12, e1005382.	4.7	55
41	Activin and TGF β 2 use diverging mitogenic signaling in advanced colon cancer. <i>Molecular Cancer</i> , 2015, 14, 182.	19.2	52
42	Microbiota Protects Mice Against Acute Alcohol-Induced Liver Injury. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 2313-2323.	2.4	92
43	Drug Development Against the Major Diarrhea-Causing Parasites of the Small Intestine, <i>Cryptosporidium</i> and <i>Giardia</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1208.	3.5	57
44	IgG α -Detoxes the Intestinal Mucosa. <i>Cell Host and Microbe</i> , 2015, 17, 538-539.	11.0	4
45	IL-17A promotes protective IgA responses and expression of other potential effectors against the lumen-dwelling enteric parasite <i>Giardia</i> . <i>Experimental Parasitology</i> , 2015, 156, 68-78.	1.2	70
46	Engulfment and Cell Motility Protein 1 (ELMO1) Has an Essential Role in the Internalization of <i>Salmonella</i> Typhimurium Into Enteric Macrophages That Impact Disease Outcome. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 311-324.	4.5	29
47	Metronidazole-triazole conjugates: Activity against <i>Clostridium difficile</i> and parasites. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 96-102.	5.5	48
48	Martin F. Kagnoff, MD, January 19, 1941–November 16, 2014. <i>Gastroenterology</i> , 2015, 148, 457-458.	1.3	0
49	Commensal microbiota is hepatoprotective and prevents liver fibrosis in mice. <i>FASEB Journal</i> , 2015, 29, 1043-1055.	0.5	156
50	Indispensable functions of ABL and PDGF receptor kinases in epithelial adherence of attaching/effacing pathogens under physiological conditions. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C180-C189.	4.6	8
51	Hsp90 Inhibitors as New Leads To Target Parasitic Diarrheal Diseases. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4138-4144.	3.2	39
52	Expanded therapeutic potential in activity space of next-generation 5-nitroimidazole antimicrobials with broad structural diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17564-17569.	7.1	57
53	A Reprofiled Drug, Auranofin, Is Effective against Metronidazole-Resistant <i>Giardia lamblia</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2029-2035.	3.2	136
54	In Vivo 129 Murine Model of <i>Salmonella</i> Infection is a Powerful Tool to Examine Human Clinical Isolates. <i>FASEB Journal</i> , 2012, 26, 835.24.	0.5	0

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55	Pyruvate:ferredoxin oxidoreductase and thioredoxin reductase are involved in 5-nitroimidazole activation while flavin metabolism is linked to 5-nitroimidazole resistance in <i>Giardia lamblia</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 1756-1765.	3.0	103
56	Impaired Parasite Attachment as Fitness Cost of Metronidazole Resistance in <i>Giardia lamblia</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4643-4651.	3.2	59
57	Î±1-giardin based live heterologous vaccine protects against <i>Giardia lamblia</i> infection in a murine model. <i>Vaccine</i> , 2011, 29, 9529-9537.	3.8	42
58	Murine Models of Vaginal Trichomonad Infections. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 85, 667-673.	1.4	28
59	NF-Î±B and Mucosal Homeostasis. <i>Current Topics in Microbiology and Immunology</i> , 2010, 349, 145-158.	1.1	15
60	Release of metabolic enzymes by <i>Giardia</i> in response to interaction with intestinal epithelial cells. <i>Molecular and Biochemical Parasitology</i> , 2008, 159, 85-91.	1.1	168
61	Opposing functions of IKKÎ² during acute and chronic intestinal inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15058-15063.	7.1	148
62	Sensor molecules in intestinal innate immunity against bacterial infections. <i>Current Opinion in Gastroenterology</i> , 2006, 22, 95-101.	2.3	66
63	Animal Models of Inflammatory Bowel Disease: Lessons from Enteric Infections. <i>Annals of the New York Academy of Sciences</i> , 2006, 1072, 28-38.	3.8	97
64	Adaptive Immunity-Dependent Intestinal Hypermotility Contributes to Host Defense against <i>Giardia</i> spp.. <i>Infection and Immunity</i> , 2006, 74, 2473-2476.	2.2	47
65	Polymeric Immunoglobulin Receptor in Intestinal Immune Defense against the Lumen-Dwelling Protozoan Parasite <i>Giardia</i> . <i>Journal of Immunology</i> , 2006, 177, 6281-6290.	0.8	91
66	Defence molecules in intestinal innate immunity against bacterial infections. <i>Current Opinion in Gastroenterology</i> , 2005, 21, 147-151.	2.3	69
67	Intestinal mucosal responses to microbial infection. <i>Seminars in Immunopathology</i> , 2005, 27, 181-196.	4.0	41
68	Innate immunity and mucosal bacterial interactions in the intestine. <i>Current Opinion in Gastroenterology</i> , 2004, 20, 82-88.	2.3	62
69	Mucosal defences against <i>Giardia</i> . <i>Parasite Immunology</i> , 2003, 25, 259-270.	1.5	187
70	Small bowel infections. <i>Current Opinion in Gastroenterology</i> , 2002, 18, 197-202.	2.3	4
71	Central Importance of Immunoglobulin A in Host Defense against <i>Giardia</i> spp.. <i>Infection and Immunity</i> , 2002, 70, 11-18.	2.2	180
72	Regulated MIP-3Î±/CCL20 production by human intestinal epithelium: mechanism for modulating mucosal immunity. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, G710-G719.	3.4	201

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73	Production of MDC/CCL22 by human intestinal epithelial cells. American Journal of Physiology - Renal Physiology, 2001, 280, G1217-G1226.	3.4	57
74	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
75	Regulated Production of the T Helper 2 Type T-Cell Chemoattractant TARC by Human Bronchial Epithelial Cells In Vitro and in Human Lung Xenografts. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 382-389.	2.9	115
76	CYP2E1 Expression in Human Lymphocytes From Various Ethnic Populations. Alcoholism: Clinical and Experimental Research, 1999, 23, 1868-1874.	2.4	28
77	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
78	Importance of Interleukin-10 in Genetic Susceptibility of Mice to Coccidioides immitis. Infection and Immunity, 1998, 66, 4397-4402.	2.2	5