

Laura J Knoll

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,726
citations

304368

22
h-index

315357

38
g-index

72
all docs

72
docs citations

72
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual transcriptional profiling of mice and <i>Toxoplasma gondii</i> during acute and chronic infection. BMC Genomics, 2014, 15, 806.	1.2	236
2	Parasite Stage-Specific Recognition of Endogenous <i>Toxoplasma gondii</i> -Derived CD8 ⁺ T Cell Epitopes. Journal of Infectious Diseases, 2008, 198, 1625-1633.	1.9	111
3	Intestinal delta-6-desaturase activity determines host range for <i>Toxoplasma</i> sexual reproduction. PLoS Biology, 2019, 17, e3000364.	2.6	101
4	Genetic and biochemical analysis of development in <i>Toxoplasma gondii</i> . Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 1347-1354.	1.8	99
5	Long-Term Relationships: the Complicated Interplay between the Host and the Developmental Stages of <i>Toxoplasma gondii</i> during Acute and Chronic Infections. Microbiology and Molecular Biology Reviews, 2015, 79, 387-401.	2.9	90
6	Isolation of Developmentally Regulated Genes from <i>Toxoplasma gondii</i> by a Gene Trap with the Positive and Negative Selectable Marker Hypoxanthine-Xanthine-Guanine Phosphoribosyltransferase. Molecular and Cellular Biology, 1998, 18, 807-814.	1.1	86
7	A Patatin-Like Protein Protects <i>Toxoplasma gondii</i> from Degradation in a Nitric Oxide-Dependent Manner. Infection and Immunity, 2012, 80, 55-61.	1.0	56
8	A HT-PEXEL Motif in <i>Toxoplasma</i> Dense Granule Proteins is a Signal for Protein Cleavage but not Export into the Host Cell. Traffic, 2013, 14, 519-531.	1.3	54
9	Parasite microbiome project: Grand challenges. PLoS Pathogens, 2019, 15, e1008028.	2.1	50
10	Discovery of parasite virulence genes reveals a unique regulator of chromosome condensation 1 ortholog critical for efficient nuclear trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10181-10186.	3.3	47
11	Increased efficiency of homologous recombination in <i>Toxoplasma gondii</i> dense granule protein 3 demonstrates that GRA3 is not necessary in cell culture but does contribute to virulence. Molecular and Biochemical Parasitology, 2007, 153, 149-157.	0.5	47
12	A patatin-like protein protects <i>Toxoplasma gondii</i> from degradation in activated macrophages. Molecular Microbiology, 2007, 63, 482-496.	1.2	46
13	Patatin-like phospholipases in microbial infections with emerging roles in fatty acid metabolism and immune regulation by Apicomplexa. Molecular Microbiology, 2018, 107, 34-46.	1.2	38
14	<i>Toxoplasma gondii</i> Profilin Promotes Recruitment of Ly6Chi CCR2+ Inflammatory Monocytes That Can Confer Resistance to Bacterial Infection. PLoS Pathogens, 2014, 10, e1004203.	2.1	37
15	The Ins and Outs of Nuclear Trafficking: Unusual Aspects in Apicomplexan Parasites. DNA and Cell Biology, 2009, 28, 277-284.	0.9	36
16	Proteomic and transcriptomic analyses of early and late-chronic <i>Toxoplasma gondii</i> infection shows novel and stage specific transcripts. BMC Genomics, 2019, 20, 859.	1.2	35
17	Isolation of <i>Toxoplasma gondii</i> development mutants identifies a potential proteophosphoglycan that enhances cyst wall formation. Molecular and Biochemical Parasitology, 2010, 169, 120-123.	0.5	34
18	Dual metabolomic profiling uncovers <i>Toxoplasma</i> manipulation of the host metabolome and the discovery of a novel parasite metabolic capability. PLoS Pathogens, 2020, 16, e1008432.	2.1	34

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19	Investigating the role of interleukin 10 on Eimeria intestinal pathogenesis in broiler chickens. <i>Veterinary Immunology and Immunopathology</i> , 2019, 218, 109934.	0.5	30
20	Highly Polymorphic Family of Glycosylphosphatidylinositol-Anchored Surface Antigens with Evidence of Developmental Regulation in <i>Toxoplasma gondii</i> . <i>Infection and Immunity</i> , 2008, 76, 103-110.	1.0	27
21	Transcriptional Analysis Shows a Robust Host Response to <i>Toxoplasma gondii</i> during Early and Late Chronic Infection in Both Male and Female Mice. <i>Infection and Immunity</i> , 2019, 87, .	1.0	27
22	Parasite-Mediated Upregulation of NK Cell-Derived Gamma Interferon Protects against Severe Highly Pathogenic H5N1 Influenza Virus Infection. <i>Journal of Virology</i> , 2011, 85, 8680-8688.	1.5	25
23	Adaptation of signature-tagged mutagenesis for <i>Toxoplasma gondii</i> : a negative screening strategy to isolate genes that are essential in restrictive growth conditions. <i>Molecular and Biochemical Parasitology</i> , 2001, 116, 11-16.	0.5	24
24	The BSR4 protein is up-regulated in <i>Toxoplasma gondii</i> bradyzoites, however the dominant surface antigen recognised by the P36 monoclonal antibody is SRS9. <i>International Journal for Parasitology</i> , 2007, 37, 877-885.	1.3	23
25	<i>Toxoplasma gondii</i> Cyst Wall Formation in Activated Bone Marrow-derived Macrophages and Bradyzoite Conditions. <i>Journal of Visualized Experiments</i> , 2010, , .	0.2	22
26	TgVTC2 is involved in polyphosphate accumulation in <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 2011, 176, 121-126.	0.5	20
27	A Genome-Wide siRNA Screen to Identify Host Factors Necessary for Growth of the Parasite <i>Toxoplasma gondii</i> . <i>PLoS ONE</i> , 2013, 8, e68129.	1.1	19
28	A <i>Toxoplasma</i> Patatin-Like Protein Changes Localization and Alters the Cytokine Response during Toxoplasmic Encephalitis. <i>Infection and Immunity</i> , 2014, 82, 618-625.	1.0	16
29	Comparisons of the Sexual Cycles for the Coccidian Parasites Eimeria and <i>Toxoplasma</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 604897.	1.8	16
30	Cyclooxygenase-1 and -2 Play Contrasting Roles in Listeria-Stimulated Immunity. <i>Journal of Immunology</i> , 2018, 200, 3729-3738.	0.4	15
31	Z-DNA Binding Protein Mediates Host Control of <i>Toxoplasma gondii</i> Infection. <i>Infection and Immunity</i> , 2016, 84, 3063-3070.	1.0	14
32	RIPK3 Facilitates Host Resistance to Oral <i>Toxoplasma gondii</i> Infection. <i>Infection and Immunity</i> , 2021, 89, .	1.0	14
33	<i>Toxoplasma gondii</i> Upregulates Interleukin-12 To Prevent Plasmodium berghei-Induced Experimental Cerebral Malaria. <i>Infection and Immunity</i> , 2014, 82, 1343-1353.	1.0	13
34	Bradyzoite Development. , 2014, , 521-549.		13
35	A <i>Toxoplasma gondii</i> patatin-like phospholipase contributes to host cell invasion. <i>PLoS Pathogens</i> , 2020, 16, e1008650.	2.1	12
36	Involvement of a <i>Toxoplasma gondii</i> Chromatin Remodeling Complex Ortholog in Developmental Regulation. <i>PLoS ONE</i> , 2011, 6, e19570.	1.1	12

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37	Pearls collections: What we can learn about infectious disease and cancer. <i>PLoS Pathogens</i> , 2018, 14, e1006915.	2.1	12
38	Fusidic acid is an effective treatment against <i>Toxoplasma gondii</i> and <i>Listeria monocytogenes</i> in vitro, but not in mice. <i>Parasitology Research</i> , 2013, 112, 3859-3863.	0.6	10
39	Innate immune cell response to host-parasite interaction in a human intestinal tissue microphysiological system. <i>Science Advances</i> , 2022, 8, eabm8012.	4.7	10
40	Oral antibody to interleukin-10 receptor 2, but not interleukin-10 receptor 1, as an effective <i>Eimeria</i> species immunotherapy in broiler chickens. <i>Poultry Science</i> , 2019, 98, 3471-3480.	1.5	9
41	<i>Entamoeba histolytica</i> : Five facts about modeling a complex human disease in rodents. <i>PLoS Pathogens</i> , 2020, 16, e1008950.	2.1	9
42	Transcending Dimensions in Apicomplexan Research: from Two-Dimensional to Three-Dimensional <i>In Vitro</i> Cultures. <i>Microbiology and Molecular Biology Reviews</i> , 2022, 86, e0002522.	2.9	9
43	A Transmembrane Domain-Containing Surface Protein from <i>Toxoplasma gondii</i> Augments Replication in Activated Immune Cells and Establishment of a Chronic Infection. <i>Infection and Immunity</i> , 2009, 77, 3731-3739.	1.0	8
44	Developmental change in translation initiation alters the localization of a common microbial protein necessary for <i>Toxoplasma</i> chronic infection. <i>Molecular Microbiology</i> , 2016, 102, 1086-1098.	1.2	8
45	Functional analysis of key nuclear trafficking components reveals an atypical Ran network required for parasite pathogenesis. <i>Molecular Microbiology</i> , 2008, 70, 410-420.	1.2	7
46	A <i>Toxoplasma gondii</i> mutant highlights the importance of translational regulation in the apicoplast during animal infection. <i>Molecular Microbiology</i> , 2011, 82, 1204-1216.	1.2	7
47	Development of Complex Models to Study Co- and Polymicrobial Infections and Diseases. <i>PLoS Pathogens</i> , 2016, 12, e1005858.	2.1	7
48	A conserved coccidian gene is involved in <i>Toxoplasma</i> sensitivity to the anti-apicomplexan compound, tartrolon E. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020, 14, 1-7.	1.4	6
49	Novel Murine Pancreatic Tumor Model Demonstrates Immunotherapeutic Control of Tumor Progression by a <i>Toxoplasma gondii</i> Protein. <i>Infection and Immunity</i> , 2021, 89, e0050821.	1.0	6
50	Breakthroughs in microbiology made possible with organoids. <i>PLoS Pathogens</i> , 2021, 17, e1010080.	2.1	6
51	Functional Analysis of the Rhoptry Kinome during Chronic <i>Toxoplasma gondii</i> Infection. <i>MBio</i> , 2016, 7, .	1.8	5
52	Dual Transcriptomics To Determine Gamma Interferon-Independent Host Response to Intestinal <i>Cryptosporidium parvum</i> Infection. <i>Infection and Immunity</i> , 2022, 90, iai0063821.	1.0	5
53	Dual-Stage Picolinic Acid-Derived Inhibitors of <i>Toxoplasma gondii</i> . <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 2382-2388.	1.3	3
54	Mlx-SA: a MlxS extension defining the minimum information standard for sequence data from symbiont-associated micro-organisms. <i>ISME Communications</i> , 2022, 2, .	1.7	3

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55	Examination of a Virulence Mutant Uncovers the Ribosome Biogenesis Regulatory Protein of <i>Toxoplasma gondii</i> . <i>Journal of Parasitology</i> , 2011, 97, 1173-1177.	0.3	2
56	Bradyzoite and sexual stage development. , 2020, , 807-857.		2
57	Conveying Discovery to a Broad Audience. <i>PLoS Pathogens</i> , 2016, 12, e1005425.	2.1	0
58	Editorial overview of Pearls Microbiome Series: E pluribus unum. <i>PLoS Pathogens</i> , 2021, 17, e1009912.	2.1	0
59	Intestinal delta-6-desaturase activity determines host range for <i>Toxoplasma</i> sexual reproduction. , 2019, 17, e3000364.		0
60	Intestinal delta-6-desaturase activity determines host range for <i>Toxoplasma</i> sexual reproduction. , 2019, 17, e3000364.		0
61	Intestinal delta-6-desaturase activity determines host range for <i>Toxoplasma</i> sexual reproduction. , 2019, 17, e3000364.		0
62	Intestinal delta-6-desaturase activity determines host range for <i>Toxoplasma</i> sexual reproduction. , 2019, 17, e3000364.		0