

Modulation of the Host Cell Proteome by the Intracellular Parasite *Toxoplasma gondii*

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Infection with <i>Toxoplasma gondii</i> results in dysregulation of the host cell cycle. <i>Cellular Microbiology</i> , 2008, 10, 1153-1165.	1.1	83
2	Induction of mitotic S-phase of host and neighboring cells by <i>Toxoplasma gondii</i> enhances parasite invasion. <i>Molecular and Biochemical Parasitology</i> , 2009, 164, 95-99.	0.5	39
3	Apoptosis and S Phase of the Cell Cycle in BeWo Trophoblastic and HeLa Cells are Differentially Modulated by <i>Toxoplasma gondii</i> Strain Types. <i>Placenta</i> , 2009, 30, 785-791.	0.7	26
4	Intracellular survival of apicomplexan parasites and host cell modification. <i>International Journal for Parasitology</i> , 2009, 39, 163-173.	1.3	76
5	Proteomes and transcriptomes of the Apicomplexa – Where’s the message?. <i>International Journal for Parasitology</i> , 2009, 39, 135-143.	1.3	68
6	A history of studies that examine the interactions of <i>Toxoplasma</i> with its host cell: Emphasis on in vitro models. <i>International Journal for Parasitology</i> , 2009, 39, 903-914.	1.3	27
7	The role of DNA microarrays in <i>Toxoplasma gondii</i> research, the causative agent of ocular toxoplasmosis. <i>Journal of Ocular Biology, Diseases, and Informatics</i> , 2009, 2, 214-222.	0.2	3
8	Intracellular parasitism with <i>Toxoplasma gondii</i> stimulates mammalian-target-of-rapamycin-dependent host cell growth despite impaired signalling to S6K1 and 4E-BP1. <i>Cellular Microbiology</i> , 2009, 11, 983-1000.	1.1	31
9	Differential protein expression in alligator leukocytes in response to bacterial lipopolysaccharide injection. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2009, 4, 300-304.	0.4	5
10	Identification of <i>Neospora caninum</i> proteins regulated during the differentiation process from tachyzoite to bradyzoite stage by DIGE. <i>Proteomics</i> , 2010, 10, 1740-1750.	1.3	25
11	<i>Toxoplasma gondii</i> Infection Specifically Increases the Levels of Key Host MicroRNAs. <i>PLoS ONE</i> , 2010, 5, e8742.	1.1	101
12	Proteomics as a probe of microbial pathogenesis and its molecular boundaries. <i>Future Microbiology</i> , 2010, 5, 253-265.	1.0	22
13	Metabolic, immune, epigenetic, endocrine and phenotypic abnormalities found in individuals with autism spectrum disorders, Down syndrome and Alzheimer disease may be caused by congenital and/or acquired chronic cerebral toxoplasmosis. <i>Research in Autism Spectrum Disorders</i> , 2011, 5, 14-59.	0.8	27
14	Proteomics and Host-Pathogen Interactions. , 2011, , 263-303.		4
15	<i>Eimeria bovis</i> -induced modulation of the host cell proteome at the meront I stage. <i>Molecular and Biochemical Parasitology</i> , 2011, 175, 1-9.	0.5	13
16	A proteomics view of programmed cell death mechanisms during host-parasite interactions. <i>Journal of Proteomics</i> , 2011, 75, 246-256.	1.2	4
17	Apicomplexan parasites and subversion of the host cell microRNA pathway. <i>Trends in Parasitology</i> , 2011, 27, 481-486.	1.5	75
18	Identification of a host cell target for the thiazolide class of broad-spectrum anti-parasitic drugs. <i>Experimental Parasitology</i> , 2011, 128, 145-150.	0.5	21

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19	Toxoplasma gondii aspartic protease 1 is not essential in tachyzoites. Experimental Parasitology, 2011, 128, 454-459.	0.5	11
20	Modulation of mouse macrophage proteome induced by Toxoplasma gondii tachyzoites in vivo. Parasitology Research, 2011, 109, 1637-1646.	0.6	33
21	Proteomic analysis reveals perturbed energy metabolism and elevated oxidative stress in hearts of rats with inborn low aerobic capacity. Proteomics, 2011, 11, 3369-3379.	1.3	22
22	Comparison of Protective Immune Responses to Apicomplexan Parasites. Journal of Parasitology Research, 2012, 2012, 1-11.	0.5	35
23	Strategies to dissect parasite proteomes. Parasitology, 2012, 139, 1119-1130.	0.7	8
24	Eimeria bovis: An update on parasite-host cell interactions. International Journal of Medical Microbiology, 2012, 302, 210-215.	1.5	41
25	Host metabolism regulates growth and differentiation of Toxoplasma gondii. International Journal for Parasitology, 2012, 42, 947-959.	1.3	33
26	Parasites, proteomes and systems: has Descartes'™ clock run out of time?. Parasitology, 2012, 139, 1103-1118.	0.7	28
27	Beyond the genome: recent advances in <i>Toxoplasma gondii</i> functional genomics. Parasite Immunology, 2012, 34, 80-89.	0.7	9
28	Changes in the proteomic profiles of mouse brain after infection with cyst-forming Toxoplasma gondii. Parasites and Vectors, 2013, 6, 96.	1.0	25
29	Identification of differentially expressed proteins in sulfadiazine resistant and sensitive strains of Toxoplasma gondii using difference-gel electrophoresis (DIGE). International Journal for Parasitology: Drugs and Drug Resistance, 2013, 3, 35-44.	1.4	35
30	Nosema ceranae Escapes Fumagillin Control in Honey Bees. PLoS Pathogens, 2013, 9, e1003185.	2.1	156
31	A <i>Toxoplasma</i> dense granule protein, GRA24, modulates the early immune response to infection by promoting a direct and sustained host p38 MAPK activation. Journal of Experimental Medicine, 2013, 210, 2071-2086.	4.2	252
32	Toxoplasmosis – A Global Threat. Correlation of Latent Toxoplasmosis with Specific Disease Burden in a Set of 88 Countries. PLoS ONE, 2014, 9, e90203.	1.1	486
33	Toxoplasma Effector MAF1 Mediates Recruitment of Host Mitochondria and Impacts the Host Response. PLoS Biology, 2014, 12, e1001845.	2.6	148
34	Proteomics of Toxoplasma gondii. , 2014, , 731-754.		2
35	The Toxoplasma gondii Parasitophorous Vacuole Membrane. , 2014, , 375-387.		6
36	Toxoplasma gondii inhibits apoptosis via a novel STAT3-miR-17a-92-Bim pathway in macrophages. Cellular Signalling, 2014, 26, 1204-1212.	1.7	56

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37	DNA repair mechanisms and <i>Toxoplasma gondii</i> infection. Archives of Microbiology, 2014, 196, 1-8.	1.0	18
38	Systems analysis of host-parasite interactions. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2015, 7, 381-400.	6.6	55
39	Proteomic-Based Approach To Gain Insight into Reprogramming of THP-1 Cells Exposed to <i>Leishmania donovani</i> over an Early Temporal Window. Infection and Immunity, 2015, 83, 1853-1868.	1.0	46
40	BmVDAC upregulation in the midgut of <i>Rhipicephalus microplus</i> , during infection with <i>Babesia bigemina</i> . Veterinary Parasitology, 2015, 212, 368-374.	0.7	10
41	Dual Identification and Analysis of Differentially Expressed Transcripts of Porcine PK-15 Cells and <i>Toxoplasma gondii</i> during in vitro Infection. Frontiers in Microbiology, 2016, 7, 721.	1.5	60
42	Infection of the brown alga <i>Enteromorpha flexilis</i> by the oomycete <i>Urychasma dicksonii</i> induces oxidative stress and halogen metabolism. Plant, Cell and Environment, 2016, 39, 259-271.	2.8	30
43	High-throughput proteomics and the fight against pathogens. Molecular BioSystems, 2016, 12, 2373-2384.	2.9	12
44	Metabolomic Profiling of Mice Serum during Toxoplasmosis Progression Using Liquid Chromatography-Mass Spectrometry. Scientific Reports, 2016, 6, 19557.	1.6	78
46	Mechanisms and pathways of <i>Toxoplasma gondii</i> transepithelial migration. Tissue Barriers, 2017, 5, e1273865.	1.6	37
47	<i>Toxoplasma gondii</i> and <i>Neospora caninum</i> induce different host cell responses at proteome-wide phosphorylation events; a step forward for uncovering the biological differences between these closely related parasites. Parasitology Research, 2017, 116, 2707-2719.	0.6	17
48	<i>Toxoplasma gondii</i> Infection Is Associated with Mitochondrial Dysfunction in-Vitro. Frontiers in Cellular and Infection Microbiology, 2017, 7, 512.	1.8	38
49	<i>Leishmania donovani</i> resides in modified early endosomes by upregulating Rab5a expression via the downregulation of miR-494. PLoS Pathogens, 2017, 13, e1006459.	2.1	43
50	Proteomics and Host-Pathogen Interactions. , 2017, , 227-255.		1
51	Influence of <i>Eimeria falciformis</i> Infection on Gut Microbiota and Metabolic Pathways in Mice. Infection and Immunity, 2018, 86, .	1.0	36
52	Post-translational modifications as key regulators of apicomplexan biology: insights from proteome-wide studies. Molecular Microbiology, 2018, 107, 1-23.	1.2	54
53	The Protozoan Parasite <i>Toxoplasma gondii</i> Selectively Reprograms the Host Cell Translatome. Infection and Immunity, 2018, 86, .	1.0	22
54	Hepatic Metabolomics Investigation in Acute and Chronic Murine Toxoplasmosis. Frontiers in Cellular and Infection Microbiology, 2018, 8, 189.	1.8	35
55	A proteomic analysis of <i>Caenorhabditis elegans</i> mitochondria during bacterial infection. Mitochondrion, 2019, 48, 37-50.	1.6	8

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56	Pinniped- and Cetacean-Derived ETosis Contributes to Combating Emerging Apicomplexan Parasites (<i>Toxoplasma gondii</i> , <i>Neospora caninum</i>) Circulating in Marine Environments. <i>Biology</i> , 2019, 8, 12.	1.3	22
57	Mechanisms of Human Innate Immune Evasion by <i>Toxoplasma gondii</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 103.	1.8	101
58	Analysis of Predicted Host-Parasite Interactomes Reveals Commonalities and Specificities Related to Parasitic Lifestyle and Tissues Tropism. <i>Frontiers in Immunology</i> , 2019, 10, 212.	2.2	34
59	Toxoplasmosis and Psychiatric and Neurological Disorders: A Step toward Understanding Parasite Pathogenesis. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2393-2406.	1.7	13
60	Proteomic Characterization of Host-Pathogen Interactions during Bovine Trophoblast Cell Line Infection by <i>Neospora caninum</i> . <i>Pathogens</i> , 2020, 9, 749.	1.2	7
61	Intracellular Parasites <i>Toxoplasma gondii</i> and <i>Besnoitia besnoiti</i> , Unveiled in Single Host Cells Using AP-SMALDI MS Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1815-1824.	1.2	12
62	Chitin binding protein as a possible RNA binding protein in <i>Leishmania</i> parasites. <i>Pathogens and Disease</i> , 2020, 78, .	0.8	2
63	Increased host ATP efflux and its conversion to extracellular adenosine is crucial for establishing <i>Leishmania</i> infection. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	10
64	Proteomics and posttranslational protein modifications in <i>Toxoplasma gondii</i> . , 2020, , 983-1020.		3
65	Molecular chaperone function of stress inducible Hsp70 is critical for intracellular multiplication of <i>Toxoplasma gondii</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118898.	1.9	8
66	Comparative Proteomics Analysis for Elucidating the Interaction Between Host Cells and <i>Toxoplasma gondii</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 643001.	1.8	7
67	Biochemical Studies of Mitochondrial Malate: Quinone Oxidoreductase from <i>Toxoplasma gondii</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7830.	1.8	5
68	Modeling the Ruminant Placenta-Pathogen Interactions in Apicomplexan Parasites: Current and Future Perspectives. <i>Frontiers in Veterinary Science</i> , 2020, 7, 634458.	0.9	10
69	Pathogens Hijack Host Cell Metabolism: Intracellular Infection as a Driver of the Warburg Effect in Cancer and Other Chronic Inflammatory Conditions. <i>Immunometabolism</i> , 2021, 3, .	0.7	13
71	A Unique Dual Activity Amino Acid Hydroxylase in <i>Toxoplasma gondii</i> . <i>PLoS ONE</i> , 2009, 4, e4801.	1.1	238
72	<i>Eimeria</i> Species and Genetic Background Influence the Serum Protein Profile of Broilers with Coccidiosis. <i>PLoS ONE</i> , 2011, 6, e14636.	1.1	32
73	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
74	Proteome-Wide Lysine Acetylation in Cortical Astrocytes and Alterations That Occur during Infection with Brain Parasite <i>Toxoplasma gondii</i> . <i>PLoS ONE</i> , 2015, 10, e0117966.	1.1	21

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75	Proteomic Profiling of Mouse Liver following Acute <i>Toxoplasma gondii</i> Infection. PLoS ONE, 2016, 11, e0152022.	1.1	66
76	Microsporidia infection impacts the host cell's cycle and reduces host cell apoptosis. PLoS ONE, 2017, 12, e0170183.	1.1	52
77	Gene Expression Profiles in Genetically Different Mice Infected with <i>Toxoplasma gondii</i> : ALDH1A2, BEX2, EGR2, CCL3 and PLAUI. Korean Journal of Parasitology, 2012, 50, 7-13.	0.5	3
78	Modulated Gene Expression of <i>Toxoplasma gondii</i> Infected Retinal Pigment Epithelial Cell Line (ARPE-19) via PI3K/Akt or mTOR Signal Pathway. Korean Journal of Parasitology, 2018, 56, 135-145.	0.5	12
79	<i>Toxoplasma gondii</i> Strategy for Intracellular Survival: Is it Still Enigmatic?. Journal of Parasitology (Faisalabad), 2011, 6, 60-73.	0.2	3
80	Mitochondria as a Cellular Hub in Infection and Inflammation. International Journal of Molecular Sciences, 2021, 22, 11338.	1.8	98
82	Parasites: An Own World of Cross Reactions with Their Hosts. Parasitology Research Monographs, 2015, , 3-27.	0.4	0
83	Behavioral Manipulations. , 2015, , 1-1.		0
84	Behavioral Manipulations. , 2016, , 315-316.		0
85	Increased Expression of <i>Toxoplasma Gondii</i> GRA1 Suppresses Host Cell Apoptosis. Journal of Bacteriology & Mycology Open Access, 2017, 4, .	0.2	0
86	Analysis of Proteotranscriptomics Landscape Reveals Differentially Regulated Pathways in <i>Toxoplasma gondii</i> Infected Mouse Liver. Computational Molecular Bioscience, 2022, 12, 20-57.	0.6	0
110	Host cell proteins modulated upon <i>Toxoplasma</i> infection identified using proteomic approaches: a molecular rationale. Parasitology Research, 2022, 121, 1853-1865.	0.6	1