

David J Bzik

List of Publications by Year in descending order

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61
papers

3,831
citations

109264

35
h-index

133188

59
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61
all docs

61
docs citations

61
times ranked

2733
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorylation of Immunity-Related GTPases by a <i>Toxoplasma gondii</i> -Secreted Kinase Promotes Macrophage Survival and Virulence. <i>Cell Host and Microbe</i> , 2010, 8, 484-495.	5.1	286
2	Efficient Gene Replacements in <i>Toxoplasma gondii</i> Strains Deficient for Nonhomologous End Joining. <i>Eukaryotic Cell</i> , 2009, 8, 520-529.	3.4	264
3	De novo pyrimidine biosynthesis is required for virulence of <i>Toxoplasma gondii</i> . <i>Nature</i> , 2002, 415, 926-929.	13.7	231
4	<i>Toxoplasma gondii</i> Rhoptry Kinase ROP16 Activates STAT3 and STAT6 Resulting in Cytokine Inhibition and Arginase-1-Dependent Growth Control. <i>PLoS Pathogens</i> , 2011, 7, e1002236.	2.1	226
5	Type II <i>Toxoplasma gondii</i> KU80 Knockout Strains Enable Functional Analysis of Genes Required for Cyst Development and Latent Infection. <i>Eukaryotic Cell</i> , 2011, 10, 1193-1206.	3.4	188
6	<i>Toxoplasma gondii</i> lacks the enzymes required for de novo arginine biosynthesis and arginine starvation triggers cyst formation. <i>International Journal for Parasitology</i> , 2004, 34, 323-331.	1.3	172
7	Endothelial cells are a replicative niche for entry of <i>Toxoplasma gondii</i> to the central nervous system. <i>Nature Microbiology</i> , 2016, 1, 16001.	5.9	160
8	The <i>Toxoplasma gondii</i> Cyst Wall Protein CST1 Is Critical for Cyst Wall Integrity and Promotes Bradyzoite Persistence. <i>PLoS Pathogens</i> , 2013, 9, e1003823.	2.1	134
9	Amino acid sequence of the serine-repeat antigen (SERA) of <i>Plasmodium falciparum</i> determined from cloned cDNA. <i>Molecular and Biochemical Parasitology</i> , 1988, 30, 279-288.	0.5	116
10	Tyk2 Negatively Regulates Adaptive Th1 Immunity by Mediating IL-10 Signaling and Promoting IFN- γ -Dependent IL-10 Reactivation. <i>Journal of Immunology</i> , 2006, 176, 7263-7271.	0.4	104
11	Immune-Mediated Regression of Established B16F10 Melanoma by Intratumoral Injection of Attenuated <i>Toxoplasma gondii</i> Protects against Rechallenge. <i>Journal of Immunology</i> , 2013, 190, 469-478.	0.4	98
12	TLR Adaptor MyD88 Is Essential for Pathogen Control during Oral <i>Toxoplasma gondii</i> Infection but Not Adaptive Immunity Induced by a Vaccine Strain of the Parasite. <i>Journal of Immunology</i> , 2008, 181, 3464-3473.	0.4	97
13	Cell-Mediated Immunity to <i>Toxoplasma gondii</i> Develops Primarily by Local Th1 Host Immune Responses in the Absence of Parasite Replication. <i>Journal of Immunology</i> , 2009, 182, 1069-1078.	0.4	89
14	Avirulent <i>Toxoplasma gondii</i> Generates Therapeutic Antitumor Immunity by Reversing Immunosuppression in the Ovarian Cancer Microenvironment. <i>Cancer Research</i> , 2013, 73, 3842-3851.	0.4	86
15	<i>Toxoplasma gondii</i> Parasitophorous Vacuole Membrane-Associated Dense Granule Proteins Orchestrate Chronic Infection and GRA12 Underpins Resistance to Host Gamma Interferon. <i>MBio</i> , 2019, 10, .	1.8	81
16	The <i>Toxoplasma gondii</i> Rhoptry Kinome Is Essential for Chronic Infection. <i>MBio</i> , 2016, 7, .	1.8	80
17	Avirulent Uracil Auxotrophs Based on Disruption of Orotidine-5- α -Monophosphate Decarboxylase Elicit Protective Immunity to <i>Toxoplasma gondii</i> . <i>Infection and Immunity</i> , 2010, 78, 3744-3752.	1.0	77
18	Intravacuolar Membranes Regulate CD8 T Cell Recognition of Membrane-Bound <i>Toxoplasma gondii</i> Protective Antigen. <i>Cell Reports</i> , 2015, 13, 2273-2286.	2.9	67

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19	An Inside Job: Hacking into Janus Kinase/Signal Transducer and Activator of Transcription Signaling Cascades by the Intracellular Protozoan <i>Toxoplasma gondii</i> . <i>Infection and Immunity</i> , 2012, 80, 476-482.	1.0	66
20	Kinetics and Phenotype of Vaccine-Induced CD8 ⁺ T-Cell Responses to <i>Toxoplasma gondii</i> . <i>Infection and Immunity</i> , 2009, 77, 3894-3901.	1.0	60
21	Lactate dehydrogenase in <i>Toxoplasma gondii</i> controls virulence, bradyzoite differentiation, and chronic infection. <i>PLoS ONE</i> , 2017, 12, e0173745.	1.1	59
22	Pyrimethamine resistant <i>Plasmodium falciparum</i> : overproduction of dihydrofolate reductase by a gene duplication. <i>Molecular and Biochemical Parasitology</i> , 1987, 26, 121-134.	0.5	57
23	Differential localization of processed fragments of <i>Plasmodium falciparum</i> serine repeat antigen and further processing of its N-terminal 47 kDa fragment. <i>Parasitology International</i> , 2002, 51, 343-352.	0.6	52
24	Secretion of Rhoptry and Dense Granule Effector Proteins by Nonreplicating <i>Toxoplasma gondii</i> Uracil Auxotrophs Controls the Development of Antitumor Immunity. <i>PLoS Genetics</i> , 2016, 12, e1006189.	1.5	47
25	Characterization of antigen-expressing <i>Plasmodium falciparum</i> cDNA clones that are reactive with parasite inhibitory antibodies. <i>Molecular and Biochemical Parasitology</i> , 1988, 30, 9-18.	0.5	46
26	Avirulent strains of <i>Toxoplasma gondii</i> infect macrophages by active invasion from the phagosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6437-6442.	3.3	46
27	Nonreplicating, Cyst-Defective Type II <i>Toxoplasma gondii</i> Vaccine Strains Stimulate Protective Immunity against Acute and Chronic Infection. <i>Infection and Immunity</i> , 2015, 83, 2148-2155.	1.0	46
28	Long-Term Immunity to Lethal Acute or Chronic Type II <i>Toxoplasma gondii</i> Infection Is Effectively Induced in Genetically Susceptible C57BL/6 Mice by Immunization with an Attenuated Type I Vaccine Strain. <i>Infection and Immunity</i> , 2009, 77, 5380-5388.	1.0	45
29	Biochemical and molecular characterization of the pyrimidine biosynthetic enzyme dihydroorotate dehydrogenase from <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 2012, 184, 71-81.	0.5	45
30	Glycolysis is important for optimal asexual growth and formation of mature tissue cysts by <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2018, 48, 955-968.	1.3	45
31	Phenotypes Associated with Knockouts of Eight Dense Granule Gene Loci (GRA2-9) in Virulent <i>Toxoplasma gondii</i> . <i>PLoS ONE</i> , 2016, 11, e0159306.	1.1	44
32	Attenuated <i>Toxoplasma gondii</i> therapy of disseminated pancreatic cancer generates long-lasting immunity to pancreatic cancer. <i>Oncolmmunology</i> , 2016, 5, e1104447.	2.1	43
33	Targeting tumors with nonreplicating <i>Toxoplasma gondii</i> uracil auxotroph vaccines. <i>Trends in Parasitology</i> , 2013, 29, 431-437.	1.5	42
34	Analysis of stage-specific transcripts of the <i>Plasmodium falciparum</i> serine repeat antigen (SERA) gene and transcription from the SERA locus. <i>Molecular and Biochemical Parasitology</i> , 1994, 68, 133-144.	0.5	40
35	<i>Plasmodium falciparum</i> : An Epitope within a Highly Conserved Region of the 47-kDa Amino-Terminal Domain of the Serine Repeat Antigen Is a Target of Parasite-Inhibitory Antibodies. <i>Experimental Parasitology</i> , 1997, 85, 121-134.	0.5	39
36	Attenuated <i>Toxoplasma gondii</i> Stimulates Immunity to Pancreatic Cancer by Manipulation of Myeloid Cell Populations. <i>Cancer Immunology Research</i> , 2015, 3, 891-901.	1.6	39

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37	Lack of IL-15 results in the suboptimal priming of CD4+ T cell response against an intracellular parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6635-6640.	3.3	37
38	Immunogenicity of recombinant <i>Plasmodium falciparum</i> SERA proteins in rodents. <i>Molecular and Biochemical Parasitology</i> , 1991, 45, 159-170.	0.5	29
39	Co-existence of classical and alternative activation programs in macrophages responding to <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2014, 44, 161-164.	1.3	26
40	Sequence diversity in the amino-terminal 47 kDa fragment of the <i>Plasmodium falciparum</i> serine repeat antigen1Note: Nucleotide sequence data reported in this paper are available in the DDBJ, EMBL and Genbankâ„¢ under the accession numbers: D89042-D89048.1. <i>Molecular and Biochemical Parasitology</i> , 1997, 86, 249-254.	0.5	25
41	Pyrimidine Pathway-Dependent and -Independent Functions of the <i>Toxoplasma gondii</i> Mitochondrial Dihydroorotate Dehydrogenase. <i>Infection and Immunity</i> , 2016, 84, 2974-2981.	1.0	25
42	<i>Toxoplasma gondii</i> Intravacuolar-Network-Associated Dense Granule Proteins Regulate Maturation of the Cyst Matrix and Cyst Wall. <i>MSphere</i> , 2019, 4, .	1.3	25
43	Rhoptry and Dense Granule Secreted Effectors Regulate CD8+ T Cell Recognition of <i>Toxoplasma gondii</i> Infected Host Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2104.	2.2	24
44	Cancer therapy in a microbial bottle: Uncorking the novel biology of the protozoan <i>Toxoplasma gondii</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006523.	2.1	21
45	Non-replicating <i>Toxoplasma gondii</i> reverses tumor-associated immunosuppression. <i>Oncology</i> , 2013, 2, e26296.	2.1	20
46	Genetic Manipulation in Δ Strains for Functional Genomic Analysis of <i>Toxoplasma gondii</i> . <i>Journal of Visualized Experiments</i> , 2013, , e50598.	0.2	20
47	Organisation and sequence determination of glutamine-dependent carbamoyl phosphate synthetase II in <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2003, 33, 89-96.	1.3	19
48	Negative selection of herpes simplex virus thymidine kinase in <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 2001, 116, 85-88.	0.5	18
49	<i>Toxoplasma gondii</i> Parasitophorous Vacuole Membrane-Associated Dense Granule Proteins Regulate Maturation of the Cyst Wall. <i>MSphere</i> , 2020, 5, .	1.3	17
50	<i>Plasmodium falciparum</i> : fine-mapping of an epitope of the serine repeat antigen that is a target of parasite-inhibitory antibodies. <i>Experimental Parasitology</i> , 2002, 101, 69-72.	0.5	16
51	<i>Plasmodium falciparum</i> : Three amino acid changes in the dihydrofolate reductase of a pyrimethamine-resistant mutant. <i>Experimental Parasitology</i> , 1988, 67, 361-363.	0.5	15
52	<i>Toxoplasma gondii</i> : generation of novel truncation mutations in the linker domain of dihydrofolate reductase-thymidylate synthase. <i>Experimental Parasitology</i> , 2004, 106, 179-182.	0.5	13
53	Genetic identification of essential indels and domains in carbamoyl phosphate synthetase II of <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2009, 39, 533-539.	1.3	13
54	The dense granule protein 8 (GRA8) is a component of the sub-pellicular cytoskeleton in <i>Toxoplasma gondii</i> . <i>Parasitology Research</i> , 2019, 118, 1899-1918.	0.6	11

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55	Cutting Edge: CD36 Mediates Phagocyte Tropism and Avirulence of <i>Toxoplasma gondii</i> . Journal of Immunology, 2021, 207, 1507-1512.	0.4	11
56	A Family of <i>Toxoplasma gondii</i> Genes Related to GRA12 Regulate Cyst Burdens and Cyst Reactivation. MSphere, 2021, 6, .	1.3	8
57	Biochemistry and metabolism of <i>Toxoplasma gondii</i> : purine and pyrimidine acquisition in <i>Toxoplasma gondii</i> and other Apicomplexa. , 2020, , 397-449.		7
58	Succinylated Wheat Germ Agglutinin Colocalizes with the <i>Toxoplasma gondii</i> Cyst Wall Glycoprotein CST1. MSphere, 2020, 5, .	1.3	6
59	Comparative Aspects of Nucleotide and Amino Acid Metabolism in <i>Toxoplasma gondii</i> and Other Apicomplexa. , 2014, , 663-706.		4
60	<i>Toxoplasma gondii</i> : Genetic Selection of Tethered Dihydrofolate Reductase-Thymidylate Synthase Fusion Proteins. Experimental Parasitology, 2001, 98, 167-170.	0.5	3
61	Serial Dissection of Parasite Gene Families. Infection and Immunity, 2016, 84, 1252-1254.	1.0	1