Gary E Ward

List of Publications by Year
in descending order

52 papers	3,765 citations	186265 28 h-index	214800 47 g-index
57 all docs	57 docs citations	57 times ranked	3333 citing authors

#	Article	IF	Citations
1	Identification of cell cycle-regulated phosphorylation sites on nuclear lamin C. Cell, 1990, 61, 561-577.	28.9	414
2	Identification of the Moving Junction Complex of Toxoplasma gondii: A Collaboration between Distinct Secretory Organelles. PLoS Pathogens, 2005, 1, e17.	4.7	352
3	The duffy receptor family of plasmodium knowlesi is located within the micronemes of invasive malaria merozoites. Cell, 1990, 63, 141-153.	28.9	298
4	Surface attachment, promoted by the actomyosin system of Toxoplasma gondii is important for efficient gliding motility and invasion. BMC Biology, 2017, 15, 1.	3.8	248
5	Identification of the membrane receptor of a class XIV myosin in Toxoplasma gondii. Journal of Cell Biology, 2004, 165, 383-393.	5.2	235
6	Conditional Expression of Toxoplasma gondii Apical Membrane Antigen-1 (TgAMA1) Demonstrates That TgAMA1 Plays a Critical Role in Host Cell Invasion. Molecular Biology of the Cell, 2005, 16, 4341-4349.	2.1	221
7	Gene expression signatures and small-molecule compounds link a protein kinase to Plasmodium falciparum motility. Nature Chemical Biology, 2008, 4, 347-356.	8.0	203
8	A small-molecule approach to studying invasive mechanisms of Toxoplasma gondii. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7433-7438.	7.1	128
9	The Toxoplasma homolog of Plasmodium apical membrane antigen-1 (AMA-1) is a microneme protein secreted in response to elevated intracellular calcium levels. Molecular and Biochemical Parasitology, 2000, 111, 15-30.	1.1	103
10	Global Analysis of Palmitoylated Proteins in Toxoplasma gondii. Cell Host and Microbe, 2015, 18, 501-511.	11.0	90
11	Identification and molecular characterization of GRA8, a novel, proline-rich, dense granule protein of Toxoplasma gondiiâ˜†. Molecular and Biochemical Parasitology, 2000, 105, 25-37.	1.1	85
12	The Toxoplasma gondii Rhoptry Protein ROP4 Is Secreted into the Parasitophorous Vacuole and Becomes Phosphorylated in Infected Cells. Eukaryotic Cell, 2004, 3, 1320-1330.	3.4	85
13	Clostridium septicumAlpha-Toxin Is Active against the Parasitic ProtozoanToxoplasma gondiiand Targets Members of the SAG Family of Glycosylphosphatidylinositol-Anchored Surface Proteins. Infection and Immunity, 2002, 70, 4353-4361.	2.2	74
14	Identification of Cryptosporidium parvum Active Chemical Series by Repurposing the Open Access Malaria Box. Antimicrobial Agents and Chemotherapy, 2014, 58, 2731-2739.	3.2	74
15	Toxoplasma gondii transmembrane microneme proteins and their modular design. Molecular Microbiology, 2010, 77, 912-929.	2.5	71
16	GAP45 Phosphorylation Controls Assembly of the Toxoplasma Myosin XIV Complex. Eukaryotic Cell, 2009, 8, 190-196.	3.4	70
17	Identification of a family of Rab G-proteins in Plasmodium falciparum and a detailed characterisation of pfrab6. Molecular and Biochemical Parasitology, 1996, 80, 77-88.	1.1	68
18	Identification of conoidin A as a covalent inhibitor of peroxiredoxin II. Organic and Biomolecular Chemistry, 2009, 7, 3040.	2.8	66

#	Article	IF	Citations
19	Disruption of TgPHIL1 Alters Specific Parameters of Toxoplasma gondii Motility Measured in a Quantitative, Three-Dimensional Live Motility Assay. PLoS ONE, 2014, 9, e85763.	2.5	64
20	Using small molecules to study big questions in cellular microbiology. Cellular Microbiology, 2002, 4, 471-482.	2.1	57
21	Chemical genetic screen identifies Toxoplasma DJ-1 as a regulator of parasite secretion, attachment, and invasion. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10568-10573.	7.1	56
22	Identification of PhIL1, a Novel Cytoskeletal Protein of the Toxoplasma gondii Pellicle, through Photosensitized Labeling with 5-[125 I]Iodonaphthalene-1-Azide. Eukaryotic Cell, 2006, 5, 1622-1634.	3.4	47
23	A Small-Molecule Inhibitor of T. gondii Motility Induces the Posttranslational Modification of Myosin Light Chain-1 and Inhibits Myosin Motor Activity. PLoS Pathogens, 2010, 6, e1000720.	4.7	43
24	Differential requirements for cyclase-associated protein (CAP) in actin-dependent processes of Toxoplasma gondii. ELife, 2019, 8, .	6.0	43
25	Calcium-dependent phosphorylation alters class XIVa myosin function in the protozoan parasiteToxoplasma gondii. Molecular Biology of the Cell, 2014, 25, 2579-2591.	2.1	41
26	A Toxoplasma gondii Class XIV Myosin, Expressed in Sf9 Cells with a Parasite Co-chaperone, Requires Two Light Chains for Fast Motility. Journal of Biological Chemistry, 2014, 289, 30832-30841.	3.4	40
27	The increased phosphorylation of ribosomal protein S6 in Arbacia punctulata is not a universal event in the activation of sea urchin eggs. Developmental Biology, 1983, 95, 360-371.	2.0	35
28	Actin-binding proteins of invasive malaria parasites and the regulation of actin polymerization by a complex of 32/34-kDa proteins associated with heat shock protein 70kDa. Molecular and Biochemical Parasitology, 1998, 93, 295-308.	1.1	35
29	Parasites lacking the micronemal protein MIC2 are deficient in surface attachment and host cell egress, but remain virulent in vivo. Wellcome Open Research, 2017, 2, 32.	1.8	35
30	Biosynthesis of Glycosylphosphatidylinositol Is Essential to the Survival of the Protozoan Parasite Toxoplasma gondii. Eukaryotic Cell, 2003, 2, 1132-1136.	3.4	33
31	Intramembrane proteolysis of Toxoplasma apical membrane antigen 1 facilitates host-cell invasion but is dispensable for replication. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7463-7468.	7.1	33
32	Targeted Disruption of TgPhIL1 in Toxoplasma gondii Results in Altered Parasite Morphology and Fitness. PLoS ONE, 2011, 6, e23977.	2.5	28
33	Structural and mechanistic insights into the function of the unconventional class XIV myosin MyoA from Toxoplasma gondii. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10548-E10555.	7.1	27
34	Parasites lacking the micronemal protein MIC2 are deficient in surface attachment and host cell egress, but remain virulent in vivo. Wellcome Open Research, 0, 2, 32.	1.8	27
35	Targeted Deletion of MIC5 Enhances Trimming Proteolysis of Toxoplasma Invasion Proteins. Eukaryotic Cell, 2006, 5, 2174-2183.	3.4	25
36	Laser scanning cytometer-based assays for measuring host cell attachment and invasion by the human pathogenToxoplasma gondii. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 13-19.	1.5	24

#	Article	IF	Citations
37	Not a Simple Tether: Binding of Toxoplasma gondii AMA1 to RON2 during Invasion Protects AMA1 from Rhomboid-Mediated Cleavage and Leads to Dephosphorylation of Its Cytosolic Tail. MBio, 2016, 7, .	4.1	22
38	Dissecting the molecular assembly of the Toxoplasma gondii MyoA motility complex. Journal of Biological Chemistry, 2017, 292, 19469-19477.	3.4	20
39	Identification of T. gondii Myosin Light Chain-1 as a Direct Target of TachypleginA-2, a Small-Molecule Inhibitor of Parasite Motility and Invasion. PLoS ONE, 2014, 9, e98056.	2.5	18
40	96-Well plates providing high optical resolution for high-throughput, immunofluorescence-based screening of monoclonal antibodies against Toxoplasma gondii. Journal of Immunological Methods, 1999, 230, 11-18.	1.4	14
41	A Modular Approach to Triazole-Containing Chemical Inducers of Dimerisation for Yeast Three-Hybrid Screening. Molecules, 2013, 18, 11639-11657.	3.8	14
42	Yeast Three-Hybrid Screen Identifies TgBRADIN/GRA24 as a Negative Regulator of Toxoplasma gondii Bradyzoite Differentiation. PLoS ONE, 2015, 10, e0120331.	2.5	13
43	Blocking Palmitoylation of Toxoplasma gondii Myosin Light Chain 1 Disrupts Glideosome Composition but Has Little Impact on Parasite Motility. MSphere, 2021, 6, .	2.9	13
44	Synthesis and biological evaluation of functionalised tetrahydro-Î²-carboline analogues as inhibitors of Toxoplasma gondii invasion. Organic and Biomolecular Chemistry, 2009, 7, 3049.	2.8	12
45	Current and Emerging Approaches to Studying Invasion in Apicomplexan Parasites. Sub-Cellular Biochemistry, 2008, 47, 1-32.	2.4	12
46	Dephosphorylation of Sea Urchin Sperm Guanylate Cyclase During Fertilization. , 1986, 207, 359-382.		12
47	Identification of TgCBAP, a Novel Cytoskeletal Protein that Localizes to Three Distinct Subcompartments of the Toxoplasma gondii Pellicle. PLoS ONE, 2014, 9, e98492.	2.5	11
48	Synthesis and chemical characterisation of target identification reagents based on an inhibitor of human cell invasion by the parasite Toxoplasma gondii. Organic and Biomolecular Chemistry, 2007, 5, 2063.	2.8	7
49	Distamycin A selectively inhibits Acanthamoeba RNA synthesis and differentiation. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1446, 273-285.	2.4	4
50	Toward Simple & Scalable 3D Cell Tracking. , 2018, , .		3
51	Toxoplasma gondii Chemical Biology. , 2014, , 707-730.		2
52	Lightweight and Scalable Particle Tracking and Motion Clustering of 3D Cell Trajectories. , 2019, , .		1