

# Gary E Ward

## List of Publications by Year in descending order

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52  
papers

3,765  
citations

186209  
28  
h-index

214721  
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57  
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docs citations

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times ranked

3333  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blocking Palmitoylation of <i>Toxoplasma gondii</i> Myosin Light Chain 1 Disrupts Glideosome Composition but Has Little Impact on Parasite Motility. <i>MSphere</i> , 2021, 6, .	1.3	13
2	Lightweight and Scalable Particle Tracking and Motion Clustering of 3D Cell Trajectories. , 2019, , .		1
3	Differential requirements for cyclase-associated protein (CAP) in actin-dependent processes of <i>Toxoplasma gondii</i> . <i>ELife</i> , 2019, 8, .	2.8	43
4	Toward Simple & Scalable 3D Cell Tracking. , 2018, , .		3
5	Structural and mechanistic insights into the function of the unconventional class XIV myosin MyoA from <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10548-E10555.	3.3	27
6	Dissecting the molecular assembly of the <i>Toxoplasma gondii</i> MyoA motility complex. <i>Journal of Biological Chemistry</i> , 2017, 292, 19469-19477.	1.6	20
7	Surface attachment, promoted by the actomyosin system of <i>Toxoplasma gondii</i> is important for efficient gliding motility and invasion. <i>BMC Biology</i> , 2017, 15, 1.	1.7	248
8	Parasites lacking the micronemal protein MIC2 are deficient in surface attachment and host cell egress, but remain virulent in vivo. <i>Wellcome Open Research</i> , 2017, 2, 32.	0.9	35
9	Not a Simple Tether: Binding of <i>Toxoplasma gondii</i> AMA1 to RON2 during Invasion Protects AMA1 from Rhomboid-Mediated Cleavage and Leads to Dephosphorylation of Its Cytosolic Tail. <i>MBio</i> , 2016, 7, .	1.8	22
10	Yeast Three-Hybrid Screen Identifies TgBRADIN/GRA24 as a Negative Regulator of <i>Toxoplasma gondii</i> Bradyzoite Differentiation. <i>PLoS ONE</i> , 2015, 10, e0120331.	1.1	13
11	Global Analysis of Palmitoylated Proteins in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2015, 18, 501-511.	5.1	90
12	Identification of <i>T. gondii</i> Myosin Light Chain-1 as a Direct Target of TachypleglinA-2, a Small-Molecule Inhibitor of Parasite Motility and Invasion. <i>PLoS ONE</i> , 2014, 9, e98056.	1.1	18
13	Identification of <i>Cryptosporidium parvum</i> Active Chemical Series by Repurposing the Open Access Malaria Box. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2731-2739.	1.4	74
14	Calcium-dependent phosphorylation alters class XIVa myosin function in the protozoan parasite <i>Toxoplasma gondii</i> . <i>Molecular Biology of the Cell</i> , 2014, 25, 2579-2591.	0.9	41
15	A <i>Toxoplasma gondii</i> Class XIV Myosin, Expressed in Sf9 Cells with a Parasite Co-chaperone, Requires Two Light Chains for Fast Motility. <i>Journal of Biological Chemistry</i> , 2014, 289, 30832-30841.	1.6	40
16	<i>Toxoplasma gondii</i> Chemical Biology. , 2014, , 707-730.		2
17	Disruption of TgPHIL1 Alters Specific Parameters of <i>Toxoplasma gondii</i> Motility Measured in a Quantitative, Three-Dimensional Live Motility Assay. <i>PLoS ONE</i> , 2014, 9, e85763.	1.1	64
18	Identification of TgCBAP, a Novel Cytoskeletal Protein that Localizes to Three Distinct Subcompartments of the <i>Toxoplasma gondii</i> Pellicle. <i>PLoS ONE</i> , 2014, 9, e98492.	1.1	11

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19	A Modular Approach to Triazole-Containing Chemical Inducers of Dimerisation for Yeast Three-Hybrid Screening. <i>Molecules</i> , 2013, 18, 11639-11657.	1.7	14
20	Intramembrane proteolysis of <i>Toxoplasma</i> apical membrane antigen 1 facilitates host-cell invasion but is dispensable for replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7463-7468.	3.3	33
21	Chemical genetic screen identifies <i>Toxoplasma</i> DJ-1 as a regulator of parasite secretion, attachment, and invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10568-10573.	3.3	56
22	Targeted Disruption of TgPhIL1 in <i>Toxoplasma gondii</i> Results in Altered Parasite Morphology and Fitness. <i>PLoS ONE</i> , 2011, 6, e23977.	1.1	28
23	<i>Toxoplasma gondii</i> transmembrane microneme proteins and their modular design. <i>Molecular Microbiology</i> , 2010, 77, 912-929.	1.2	71
24	A Small-Molecule Inhibitor of <i>T. gondii</i> Motility Induces the Posttranslational Modification of Myosin Light Chain-1 and Inhibits Myosin Motor Activity. <i>PLoS Pathogens</i> , 2010, 6, e1000720.	2.1	43
25	GAP45 Phosphorylation Controls Assembly of the <i>Toxoplasma</i> Myosin XIV Complex. <i>Eukaryotic Cell</i> , 2009, 8, 190-196.	3.4	70
26	Identification of conoidin A as a covalent inhibitor of peroxiredoxin II. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3040.	1.5	66
27	Synthesis and biological evaluation of functionalised tetrahydro- $\beta$ -carboline analogues as inhibitors of <i>Toxoplasma gondii</i> invasion. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3049.	1.5	12
28	Gene expression signatures and small-molecule compounds link a protein kinase to <i>Plasmodium falciparum</i> motility. <i>Nature Chemical Biology</i> , 2008, 4, 347-356.	3.9	203
29	Current and Emerging Approaches to Studying Invasion in Apicomplexan Parasites. <i>Sub-Cellular Biochemistry</i> , 2008, 47, 1-32.	1.0	12
30	Synthesis and chemical characterisation of target identification reagents based on an inhibitor of human cell invasion by the parasite <i>Toxoplasma gondii</i> . <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2063.	1.5	7
31	Laser scanning cytometer-based assays for measuring host cell attachment and invasion by the human pathogen <i>Toxoplasma gondii</i> . <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 13-19.	1.1	24
32	Identification of PhIL1, a Novel Cytoskeletal Protein of the <i>Toxoplasma gondii</i> Pellicle, through Photosensitized Labeling with 5-[ <sup>125</sup> I]Iodonaphthalene-1-Azide. <i>Eukaryotic Cell</i> , 2006, 5, 1622-1634.	3.4	47
33	Targeted Deletion of MIC5 Enhances Trimming Proteolysis of <i>Toxoplasma</i> Invasion Proteins. <i>Eukaryotic Cell</i> , 2006, 5, 2174-2183.	3.4	25
34	Identification of the Moving Junction Complex of <i>Toxoplasma gondii</i> : A Collaboration between Distinct Secretory Organelles. <i>PLoS Pathogens</i> , 2005, 1, e17.	2.1	352
35	Conditional Expression of <i>Toxoplasma gondii</i> Apical Membrane Antigen-1 (TgAMA1) Demonstrates That TgAMA1 Plays a Critical Role in Host Cell Invasion. <i>Molecular Biology of the Cell</i> , 2005, 16, 4341-4349.	0.9	221
36	A small-molecule approach to studying invasive mechanisms of <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7433-7438.	3.3	128

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37	Identification of the membrane receptor of a class XIV myosin in <i>Toxoplasma gondii</i> . <i>Journal of Cell Biology</i> , 2004, 165, 383-393.	2.3	235
38	The <i>Toxoplasma gondii</i> Rhoptry Protein ROP4 Is Secreted into the Parasitophorous Vacuole and Becomes Phosphorylated in Infected Cells. <i>Eukaryotic Cell</i> , 2004, 3, 1320-1330.	3.4	85
39	Biosynthesis of Glycosylphosphatidylinositol Is Essential to the Survival of the Protozoan Parasite <i>Toxoplasma gondii</i> . <i>Eukaryotic Cell</i> , 2003, 2, 1132-1136.	3.4	33
40	<i>Clostridium septicum</i> Alpha-Toxin Is Active against the Parasitic Protozoan <i>Toxoplasma gondii</i> and Targets Members of the SAG Family of Glycosylphosphatidylinositol-Anchored Surface Proteins. <i>Infection and Immunity</i> , 2002, 70, 4353-4361.	1.0	74
41	Using small molecules to study big questions in cellular microbiology. <i>Cellular Microbiology</i> , 2002, 4, 471-482.	1.1	57
42	The <i>Toxoplasma</i> homolog of <i>Plasmodium</i> apical membrane antigen-1 (AMA-1) is a microneme protein secreted in response to elevated intracellular calcium levels. <i>Molecular and Biochemical Parasitology</i> , 2000, 111, 15-30.	0.5	103
43	Identification and molecular characterization of GRA8, a novel, proline-rich, dense granule protein of <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 2000, 105, 25-37.	0.5	85
44	Distamycin A selectively inhibits <i>Acanthamoeba</i> RNA synthesis and differentiation. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999, 1446, 273-285.	2.4	4
45	96-Well plates providing high optical resolution for high-throughput, immunofluorescence-based screening of monoclonal antibodies against <i>Toxoplasma gondii</i> . <i>Journal of Immunological Methods</i> , 1999, 230, 11-18.	0.6	14
46	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. <i>Molecular and Biochemical Parasitology</i> , 1998, 93, 295-308.	0.5	35
47	Identification of a family of Rab G-proteins in <i>Plasmodium falciparum</i> and a detailed characterisation of pfrab6. <i>Molecular and Biochemical Parasitology</i> , 1996, 80, 77-88.	0.5	68
48	The duffy receptor family of <i>plasmodium knowlesi</i> is located within the micronemes of invasive malaria merozoites. <i>Cell</i> , 1990, 63, 141-153.	13.5	298
49	Identification of cell cycle-regulated phosphorylation sites on nuclear lamin C. <i>Cell</i> , 1990, 61, 561-577.	13.5	414
50	Dephosphorylation of Sea Urchin Sperm Guanylate Cyclase During Fertilization. , 1986, 207, 359-382.		12
51	The increased phosphorylation of ribosomal protein S6 in <i>Arbacia punctulata</i> is not a universal event in the activation of sea urchin eggs. <i>Developmental Biology</i> , 1983, 95, 360-371.	0.9	35
52	Parasites lacking the micronemal protein MIC2 are deficient in surface attachment and host cell egress, but remain virulent in vivo. <i>Wellcome Open Research</i> , 0, 2, 32.	0.9	27