

Gareth Griffiths

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11070208/gareth-griffiths-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112
papers

10,260
citations

57
h-index

101
g-index

117
ext. papers

11,073
ext. citations

11.1
avg, IF

5.74
L-index

#	Paper	IF	Citations
112	The mannose 6-phosphate receptor and the biogenesis of lysosomes. <i>Cell</i> , 1988 , 52, 329-41	56.2	771
111	Beta-COP, a 110 kd protein associated with non-clathrin-coated vesicles and the Golgi complex, shows homology to beta-adaptin. <i>Cell</i> , 1991 , 64, 649-65	56.2	474
110	On the preparation of cryosections for immunocytochemistry. <i>Journal of Ultrastructure Research</i> , 1984 , 89, 65-78		418
109	Actin-based motility of vaccinia virus. <i>Nature</i> , 1995 , 378, 636-8	50.4	355
108	Direct visualization of the outer membrane of mycobacteria and corynebacteria in their native state. <i>Journal of Bacteriology</i> , 2008 , 190, 5672-80	3.5	340
107	MOM19, an import receptor for mitochondrial precursor proteins. <i>Cell</i> , 1989 , 59, 1061-70	56.2	334
106	Fine Structure Immunocytochemistry 1993 ,		324
105	A mitochondrial import receptor for the ADP/ATP carrier. <i>Cell</i> , 1990 , 62, 107-15	56.2	295
104	Mutations in the cytoplasmic domain of the 275 kd mannose 6-phosphate receptor differentially alter lysosomal enzyme sorting and endocytosis. <i>Cell</i> , 1989 , 57, 787-96	56.2	270
103	Identification of a mitochondrial receptor complex required for recognition and membrane insertion of precursor proteins. <i>Nature</i> , 1990 , 348, 610-6	50.4	254
102	Mycobacterium tuberculosis protein ESAT-6 is a potent activator of the NLRP3/ASC inflammasome. <i>Cellular Microbiology</i> , 2010 , 12, 1046-63	3.9	237
101	Selected lipids activate phagosome actin assembly and maturation resulting in killing of pathogenic mycobacteria. <i>Nature Cell Biology</i> , 2003 , 5, 793-802	23.4	210
100	Passage of viral membrane proteins through the Golgi complex. <i>Journal of Molecular Biology</i> , 1981 , 152, 663-98	6.5	194
99	Molecular requirements for bi-directional movement of phagosomes along microtubules. <i>Journal of Cell Biology</i> , 1997 , 137, 113-29	7.3	189
98	RanGTP mediates nuclear pore complex assembly. <i>Nature</i> , 2003 , 424, 689-94	50.4	185
97	Filopodia act as phagocytic tentacles and pull with discrete steps and a load-dependent velocity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11633-8	11.5	173
96	Anti-inflammatory effects of phosphatidylcholine. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27155-27164	6.4	167

95	Lysosomal enzyme trafficking between phagosomes, endosomes, and lysosomes in J774 macrophages. Enrichment of cathepsin H in early endosomes. <i>Journal of Biological Chemistry</i> , 1998 , 273, 9842-51	5.4	163
94	Involvement of ezrin/moesin in de novo actin assembly on phagosomal membranes. <i>EMBO Journal</i> , 2000 , 19, 199-212	13	153
93	Entry of the two infectious forms of vaccinia virus at the plasma membrane is signaling-dependent for the IMV but not the EEV. <i>Molecular Biology of the Cell</i> , 2000 , 11, 2497-511	3.5	140
92	Remodelling of the actin cytoskeleton is essential for replication of intravacuolar Salmonella. <i>Cellular Microbiology</i> , 2001 , 3, 567-77	3.9	136
91	Characterization of the coronavirus mouse hepatitis virus strain A59 small membrane protein E. <i>Journal of Virology</i> , 2000 , 74, 2333-42	6.6	135
90	The arguments for pre-existing early and late endosomes. <i>Trends in Cell Biology</i> , 1991 , 1, 5-9	18.3	131
89	Characterization of the intracellular survival of Mycobacterium avium ssp. paratuberculosis: phagosomal pH and fusogenicity in J774 macrophages compared with other mycobacteria. <i>Cellular Microbiology</i> , 2001 , 3, 551-66	3.9	130
88	Phagocytosis: latex leads the way. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 498-503	9	127
87	A role for the small GTPase Rab21 in the early endocytic pathway. <i>Journal of Cell Science</i> , 2004 , 117, 6297-311	5.3	119
86	Nanoparticles as drug delivery system against tuberculosis in zebrafish embryos: direct visualization and treatment. <i>ACS Nano</i> , 2014 , 8, 7014-26	16.7	108
85	Nanobead-based interventions for the treatment and prevention of tuberculosis. <i>Nature Reviews Microbiology</i> , 2010 , 8, 827-34	22.2	108
84	Endobrevin, a novel synaptobrevin/VAMP-like protein preferentially associated with the early endosome. <i>Molecular Biology of the Cell</i> , 1998 , 9, 1549-63	3.5	103
83	Cell biology of viruses that assemble along the biosynthetic pathway. <i>Seminars in Cell Biology</i> , 1992 , 3, 367-81		103
82	Cathelicidin is involved in the intracellular killing of mycobacteria in macrophages. <i>Cellular Microbiology</i> , 2011 , 13, 1601-17	3.9	101
81	In vitro fusion of phagosomes with different endocytic organelles from J774 macrophages. <i>Journal of Biological Chemistry</i> , 1998 , 273, 30379-90	5.4	100
80	ATP-dependent membrane assembly of F-actin facilitates membrane fusion. <i>Molecular Biology of the Cell</i> , 2001 , 12, 155-70	3.5	97
79	Mannose 6-phosphate receptors and ADP-ribosylation factors cooperate for high affinity interaction of the AP-1 Golgi assembly proteins with membranes. <i>Journal of Biological Chemistry</i> , 1996 , 271, 2162-70	5.4	96
78	Fusion between phagosomes, early and late endosomes: a role for actin in fusion between late, but not early endocytic organelles. <i>Molecular Biology of the Cell</i> , 2004 , 15, 345-58	3.5	94

77	Optical micromanipulation of nanoparticles and cells inside living zebrafish. <i>Nature Communications</i> , 2016 , 7, 10974	17.4	94
76	Dynamic life and death interactions between <i>Mycobacterium smegmatis</i> and J774 macrophages. <i>Cellular Microbiology</i> , 2006 , 8, 939-60	3.9	93
75	NF-kappa B activation controls phagolysosome fusion-mediated killing of mycobacteria by macrophages. <i>Journal of Immunology</i> , 2008 , 181, 2651-63	5.3	92
74	Exosomal Hsp70 induces a pro-inflammatory response to foreign particles including mycobacteria. <i>PLoS ONE</i> , 2010 , 5, e10136	3.7	89
73	Poly(lactide-co-glycolide)-rifampicin nanoparticles efficiently clear <i>Mycobacterium bovis</i> BCG infection in macrophages and remain membrane-bound in phago-lysosomes. <i>Journal of Cell Science</i> , 2013 , 126, 3043-54	5.3	87
72	On the killing of mycobacteria by macrophages. <i>Cellular Microbiology</i> , 2008 , 10, 529-48	3.9	86
71	Dissociation of coatamer from membranes is required for brefeldin A-induced transfer of Golgi enzymes to the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 1997 , 137, 319-33	7.3	80
70	Myosin Va bound to phagosomes binds to F-actin and delays microtubule-dependent motility. <i>Molecular Biology of the Cell</i> , 2001 , 12, 2742-55	3.5	79
69	A rapid method for assessing the distribution of gold labeling on thin sections. <i>Journal of Histochemistry and Cytochemistry</i> , 2004 , 52, 991-1000	3.4	73
68	<i>Candida albicans</i> actively modulates intracellular membrane trafficking in mouse macrophage phagosomes. <i>Cellular Microbiology</i> , 2009 , 11, 560-89	3.9	71
67	TNF-alpha-induced up-regulation of pro-inflammatory cytokines is reduced by phosphatidylcholine in intestinal epithelial cells. <i>BMC Gastroenterology</i> , 2009 , 9, 53	3	69
66	Phosphoinositides regulate membrane-dependent actin assembly by latex bead phagosomes. <i>Molecular Biology of the Cell</i> , 2002 , 13, 1190-202	3.5	68
65	An unconventional role for cytoplasmic disulfide bonds in vaccinia virus proteins. <i>Journal of Cell Biology</i> , 1999 , 144, 267-79	7.3	67
64	The role of a 21-kDa viral membrane protein in the assembly of vaccinia virus from the intermediate compartment. <i>Journal of Biological Chemistry</i> , 1996 , 271, 14950-8	5.4	65
63	Transient assembly of F-actin by phagosomes delays phagosome fusion with lysosomes in cargo-overloaded macrophages. <i>Journal of Cell Science</i> , 2009 , 122, 2935-45	5.3	63
62	GS32, a novel Golgi SNARE of 32 kDa, interacts preferentially with syntaxin 6. <i>Molecular Biology of the Cell</i> , 1999 , 10, 119-34	3.5	63
61	Enhanced Permeability and Retention-like Extravasation of Nanoparticles from the Vasculature into Tuberculosis Granulomas in Zebrafish and Mouse Models. <i>ACS Nano</i> , 2018 , 12, 8646-8661	16.7	60
60	Microtubule-associated protein-dependent binding of phagosomes to microtubules. <i>Journal of Biological Chemistry</i> , 1996 , 271, 3803-11	5.4	60

59	Zebrafish as a model system for characterization of nanoparticles against cancer. <i>Nanoscale</i> , 2016 , 8, 862-77	7.7	59
58	Phthiocerol dimycocerosates promote access to the cytosol and intracellular burden of <i>Mycobacterium tuberculosis</i> in lymphatic endothelial cells. <i>BMC Biology</i> , 2018 , 16, 1	7.3	59
57	Characterization of vaccinia virus intracellular cores: implications for viral uncoating and core structure. <i>Journal of Virology</i> , 2000 , 74, 3525-36	6.6	59
56	Whole cell cryo-electron tomography reveals distinct disassembly intermediates of vaccinia virus. <i>PLoS ONE</i> , 2007 , 2, e420	3.7	57
55	Actin-binding protein regulation by microRNAs as a novel microbial strategy to modulate phagocytosis by host cells: the case of N-Wasp and miR-142-3p. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013 , 3, 19	5.9	56
54	Integrated network reconstruction, visualization and analysis using YANASquare. <i>BMC Bioinformatics</i> , 2007 , 8, 313	3.6	55
53	Golgi-to-phagosome transport of acid sphingomyelinase and prosaposin is mediated by sortilin. <i>Journal of Cell Science</i> , 2010 , 123, 2502-11	5.3	54
52	cAMP synthesis and degradation by phagosomes regulate actin assembly and fusion events: consequences for mycobacteria. <i>Journal of Cell Science</i> , 2006 , 119, 3686-94	5.3	53
51	On vesicles and membrane compartments. <i>Protoplasma</i> , 1996 , 195, 37-58	3.4	53
50	Lymphatic endothelial cells are a replicative niche for <i>Mycobacterium tuberculosis</i> . <i>Journal of Clinical Investigation</i> , 2016 , 126, 1093-108	15.9	53
49	Structure and assembly of intracellular mature vaccinia virus: thin-section analyses. <i>Journal of Virology</i> , 2001 , 75, 11056-70	6.6	52
48	Ezrin promotes actin assembly at the phagosome membrane and regulates phago-lysosomal fusion. <i>Traffic</i> , 2011 , 12, 421-37	5.7	51
47	On phagosome individuality and membrane signalling networks. <i>Trends in Cell Biology</i> , 2004 , 14, 343-51	18.3	51
46	Structure and assembly of intracellular mature vaccinia virus: isolated-particle analysis. <i>Journal of Virology</i> , 2001 , 75, 11034-55	6.6	47
45	A simpler way of comparing the labelling densities of cellular compartments illustrated using data from VPARP and LAMP-1 immunogold labelling experiments. <i>Histochemistry and Cell Biology</i> , 2003 , 119, 333-41	2.4	45
44	The block in assembly of modified vaccinia virus Ankara in HeLa cells reveals new insights into vaccinia virus morphogenesis. <i>Journal of Virology</i> , 2002 , 76, 8318-34	6.6	44
43	Thioridazine in PLGA nanoparticles reduces toxicity and improves rifampicin therapy against mycobacterial infection in zebrafish. <i>Nanotoxicology</i> , 2016 , 10, 680-8	5.3	42
42	Cell evolution and the problem of membrane topology. <i>Nature Reviews Molecular Cell Biology</i> , 2007 , 8, 1018-24	48.7	42

41	Effects of omega-3 and -6 fatty acids on Mycobacterium tuberculosis in macrophages and in mice. <i>Microbes and Infection</i> , 2008 , 10, 1379-86	9.3	40
40	Gut thoughts on the Golgi complex. <i>Traffic</i> , 2000 , 1, 738-45	5.7	40
39	Lipids regulate P2X7-receptor-dependent actin assembly by phagosomes via ADP translocation and ATP synthesis in the phagosome lumen. <i>Journal of Cell Science</i> , 2009 , 122, 499-504	5.3	39
38	Role of lipids in killing mycobacteria by macrophages: evidence for NF-kappaB-dependent and -independent killing induced by different lipids. <i>Cellular Microbiology</i> , 2009 , 11, 406-20	3.9	39
37	Tyrosine phosphatase MptpA of Mycobacterium tuberculosis inhibits phagocytosis and increases actin polymerization in macrophages. <i>Research in Microbiology</i> , 2005 , 156, 1005-13	4	39
36	Control of relative radiation pressure in optical traps: application to phagocytic membrane binding studies. <i>Physical Review E</i> , 2005 , 71, 061927	2.4	36
35	Sphingosine-1-phosphate receptors stimulate macrophage plasma-membrane actin assembly via ADP release, ATP synthesis and P2X7R activation. <i>Journal of Cell Science</i> , 2009 , 122, 505-12	5.3	28
34	Gaining insight into a complex organelle, the phagosome, using two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 1995 , 16, 2249-57	3.6	27
33	Preparation of cells and tissues for immuno EM. <i>Methods in Cell Biology</i> , 2008 , 88, 45-58	1.8	26
32	Protective role of the capsule and impact of serotype 4 switching on Streptococcus mitis. <i>Infection and Immunity</i> , 2014 , 82, 3790-801	3.7	24
31	Identification of an immune-regulated phagosomal Rab cascade in macrophages. <i>Journal of Cell Science</i> , 2014 , 127, 2071-82	5.3	23
30	Bringing electron microscopy back into focus for cell biology. <i>Trends in Cell Biology</i> , 2001 , 11, 153-4	18.3	23
29	Initial receptor-ligand interactions modulate gene expression and phagosomal properties during both early and late stages of phagocytosis. <i>European Journal of Cell Biology</i> , 2010 , 89, 693-704	6.1	22
28	Membrane-active antimicrobial peptides and human placental lysosomal extracts are highly active against mycobacteria. <i>Peptides</i> , 2011 , 32, 881-7	3.8	20
27	Porins facilitate nitric oxide-mediated killing of mycobacteria. <i>Microbes and Infection</i> , 2009 , 11, 868-75	9.3	18
26	Layer-by-layer nanocoating of live Bacille-Calmette-Guérin mycobacteria with poly(I:C) and chitosan enhances pro-inflammatory activation and bactericidal capacity in murine macrophages. <i>Biomaterials</i> , 2016 , 111, 1-12	15.6	17
25	Poly(I:C)-Encapsulating Nanoparticles Enhance Innate Immune Responses to the Tuberculosis Vaccine Bacille Calmette-Guérin (BCG) via Synergistic Activation of Innate Immune Receptors. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4098-4112	5.6	16
24	Electron microscopy applications for quantitative cellular microbiology. <i>Cellular Microbiology</i> , 2001 , 3, 659-68	3.9	16

23	Actin assembly induced by polylysine beads or purified phagosomes: Quantitation by a new flow cytometry assay. <i>Cytometry</i> , 2000 , 41, 46-54		16
22	Fixation for Fine Structure Preservation and Immunocytochemistry 1993 , 26-89		15
21	The structure and function of a mannose 6-phosphate receptor-enriched, pre-lysosomal compartment in animal cells. <i>Journal of Cell Science</i> , 1989 , 11, 139-47	5.3	14
20	Phagosome proteomes open the way to a better understanding of phagosome function. <i>Genome Biology</i> , 2007 , 8, 207	18.3	13
19	Quantitative Aspects of Immunocytochemistry 1993 , 371-445		13
18	Modelling phagosomal lipid networks that regulate actin assembly. <i>BMC Systems Biology</i> , 2008 , 2, 107	3.5	12
17	Interferon-Inducible Rab20 regulates endosomal morphology and EGFR degradation in macrophages. <i>Molecular Biology of the Cell</i> , 2015 , 26, 3061-70	3.5	10
16	Adaptation of Cryo-Sectioning for IEM Labeling of Asymmetric Samples: A Study Using <i>Caenorhabditis elegans</i> . <i>Traffic</i> , 2015 , 16, 893-905	5.7	8
15	Cryo and Replica Techniques for Immunolabelling 1993 , 137-203		6
14	Labelling Reactions for Immunocytochemistry 1993 , 237-278		5
13	Kiyoteru Tokuyasu: a pioneer of cryo-ultramicrotomy. <i>Journal of Microscopy</i> , 2015 , 260, 235-7	1.9	4
12	Kiyoteru Tokuyasu: a pioneer of cryo-ultramicrotomy. <i>Microscopy (Oxford, England)</i> , 2015 , 64, 377-9	1.3	3
11	High-Resolution, 3D Imaging of the Zebrafish Gill-Associated Lymphoid Tissue (GIALT) Reveals a Novel Lymphoid Structure, the Amphibranchial Lymphoid Tissue. <i>Frontiers in Immunology</i> , 2021 , 12, 769901	8.4	3
10	The Compartments of the Endocytic Pathway 1992 , 73-83		3
9	Embedding Media for Section Immunocytochemistry 1993 , 90-136		2
8	Fine-Structure Preservation 1993 , 9-25		2
7	Actin assembly induced by polylysine beads or purified phagosomes: Quantitation by a new flow cytometry assay 2000 , 41, 46		2
6	Microtubule Dependent Transport and Fusion of Phagosomes with the Endocytic Pathway 1995 , 211-222		1

- 5 Non-Immunological High-Affinity Interactions Used for Labelling **1993**, 307-344 1
- 4 Cryosectioning and Immunolabeling: The Contributions of Kiyoteru Tokuyasu. *Microscopy Today*, **2018**, 26, 44-49 0.4
- 3 Phagosome-Cytoskeleton Interactions 125-143
- 2 A little learning. *Nature*, **1997**, 390, 548-548 50.4
- 1 Hydrated cryo-section studies of endocytic structures in cells containing internalized gold markers imaged by TEM. *Proceedings Annual Meeting Electron Microscopy Society of America*, **1990**, 48, 950-951