

Gareth Griffiths

List of Publications by Year in Descending Order

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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	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, 769904	8.4	3
111	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
110	Cryosectioning and Immunolabeling: The Contributions of Kiyoteru Tokuyasu. <i>Microscopy Today</i> , 2018 , 26, 44-49	0.4	
109	Phthiocerol dimycocerosates promote access to the cytosol and intracellular burden of Mycobacterium tuberculosis in lymphatic endothelial cells. <i>BMC Biology</i> , 2018 , 16, 1	7.3	59
108	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
107	Zebrafish as a model system for characterization of nanoparticles against cancer. <i>Nanoscale</i> , 2016 , 8, 862-77	7.7	59
106	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
105	Lymphatic endothelial cells are a replicative niche for Mycobacterium tuberculosis. <i>Journal of Clinical Investigation</i> , 2016 , 126, 1093-108	15.9	53
104	Optical micromanipulation of nanoparticles and cells inside living zebrafish. <i>Nature Communications</i> , 2016 , 7, 10974	17.4	94
103	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
102	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
101	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
100	Kiyoteru Tokuyasu: a pioneer of cryo-ultramicrotomy. <i>Journal of Microscopy</i> , 2015 , 260, 235-7	1.9	4
99	Kiyoteru Tokuyasu: a pioneer of cryo-ultramicrotomy. <i>Microscopy (Oxford, England)</i> , 2015 , 64, 377-9	1.3	3
98	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
97	Protective role of the capsule and impact of serotype 4 switching on <i>Streptococcus mitis</i> . <i>Infection and Immunity</i> , 2014 , 82, 3790-801	3.7	24
96	Identification of an immune-regulated phagosomal Rab cascade in macrophages. <i>Journal of Cell Science</i> , 2014 , 127, 2071-82	5.3	23

95	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
94	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
93	Membrane-active antimicrobial peptides and human placental lysosomal extracts are highly active against mycobacteria. <i>Peptides</i> , 2011 , 32, 881-7	3.8	20
92	Cathelicidin is involved in the intracellular killing of mycobacteria in macrophages. <i>Cellular Microbiology</i> , 2011 , 13, 1601-17	3.9	101
91	Ezrin promotes actin assembly at the phagosome membrane and regulates phago-lysosomal fusion. <i>Traffic</i> , 2011 , 12, 421-37	5.7	51
90	Nanobead-based interventions for the treatment and prevention of tuberculosis. <i>Nature Reviews Microbiology</i> , 2010 , 8, 827-34	22.2	108
89	<i>Mycobacterium tuberculosis</i> protein ESAT-6 is a potent activator of the NLRP3/ASC inflammasome. <i>Cellular Microbiology</i> , 2010 , 12, 1046-63	3.9	237
88	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
87	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
86	Exosomal Hsp70 induces a pro-inflammatory response to foreign particles including mycobacteria. <i>PLoS ONE</i> , 2010 , 5, e10136	3.7	89
85	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
84	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
83	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
82	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
81	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
80	<i>Candida albicans</i> actively modulates intracellular membrane trafficking in mouse macrophage phagosomes. <i>Cellular Microbiology</i> , 2009 , 11, 560-89	3.9	71
79	Porins facilitate nitric oxide-mediated killing of mycobacteria. <i>Microbes and Infection</i> , 2009 , 11, 868-75	9.3	18
78	Modelling phagosomal lipid networks that regulate actin assembly. <i>BMC Systems Biology</i> , 2008 , 2, 107	3.5	12

77	Preparation of cells and tissues for immuno EM. <i>Methods in Cell Biology</i> , 2008 , 88, 45-58	1.8	26
76	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	34 ^o
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	On the killing of mycobacteria by macrophages. <i>Cellular Microbiology</i> , 2008 , 10, 529-48	3.9	86
73	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
72	Cell evolution and the problem of membrane topology. <i>Nature Reviews Molecular Cell Biology</i> , 2007 , 8, 1018-24	48.7	42
71	Integrated network reconstruction, visualization and analysis using YANASquare. <i>BMC Bioinformatics</i> , 2007 , 8, 313	3.6	55
70	Anti-inflammatory effects of phosphatidylcholine. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27155-27164	15.4	167
69	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
68	Phagosome proteomes open the way to a better understanding of phagosome function. <i>Genome Biology</i> , 2007 , 8, 207	18.3	13
67	Whole cell cryo-electron tomography reveals distinct disassembly intermediates of vaccinia virus. <i>PLoS ONE</i> , 2007 , 2, e420	3.7	57
66	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
65	Dynamic life and death interactions between Mycobacterium smegmatis and J774 macrophages. <i>Cellular Microbiology</i> , 2006 , 8, 939-60	3.9	93
64	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
63	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
62	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
61	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
60	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

59	On phagosome individuality and membrane signalling networks. <i>Trends in Cell Biology</i> , 2004 , 14, 343-51	18.3	51
58	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
57	Phagocytosis: latex leads the way. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 498-503	9	127
56	RanGTP mediates nuclear pore complex assembly. <i>Nature</i> , 2003 , 424, 689-94	50.4	185
55	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
54	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
53	Phosphoinositides regulate membrane-dependent actin assembly by latex bead phagosomes. <i>Molecular Biology of the Cell</i> , 2002 , 13, 1190-202	3.5	68
52	Characterization of the intracellular survival of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> : phagosomal pH and fusogenicity in J774 macrophages compared with other mycobacteria. <i>Cellular Microbiology</i> , 2001 , 3, 551-66	3.9	130
51	Remodelling of the actin cytoskeleton is essential for replication of intravacuolar <i>Salmonella</i> . <i>Cellular Microbiology</i> , 2001 , 3, 567-77	3.9	136
50	Electron microscopy applications for quantitative cellular microbiology. <i>Cellular Microbiology</i> , 2001 , 3, 659-68	3.9	16
49	Bringing electron microscopy back into focus for cell biology. <i>Trends in Cell Biology</i> , 2001 , 11, 153-4	18.3	23
48	Structure and assembly of intracellular mature vaccinia virus: thin-section analyses. <i>Journal of Virology</i> , 2001 , 75, 11056-70	6.6	52
47	Structure and assembly of intracellular mature vaccinia virus: isolated-particle analysis. <i>Journal of Virology</i> , 2001 , 75, 11034-55	6.6	47
46	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
45	ATP-dependent membrane assembly of F-actin facilitates membrane fusion. <i>Molecular Biology of the Cell</i> , 2001 , 12, 155-70	3.5	97
44	Actin assembly induced by polylysine beads or purified phagosomes: Quantitation by a new flow cytometry assay. <i>Cytometry</i> , 2000 , 41, 46-54		16
43	Gut thoughts on the Golgi complex. <i>Traffic</i> , 2000 , 1, 738-45	5.7	40
42	Involvement of ezrin/moesin in de novo actin assembly on phagosomal membranes. <i>EMBO Journal</i> , 2000 , 19, 199-212	13	153

41	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
40	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
39	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
38	Actin assembly induced by polylysine beads or purified phagosomes: Quantitation by a new flow cytometry assay 2000 , 41, 46		2
37	An unconventional role for cytoplasmic disulfide bonds in vaccinia virus proteins. <i>Journal of Cell Biology</i> , 1999 , 144, 267-79	7.3	67
36	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
35	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
34	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
33	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
32	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
31	Molecular requirements for bi-directional movement of phagosomes along microtubules. <i>Journal of Cell Biology</i> , 1997 , 137, 113-29	7.3	189
30	A little learning. <i>Nature</i> , 1997 , 390, 548-548	50.4	
29	On vesicles and membrane compartments. <i>Protoplasma</i> , 1996 , 195, 37-58	3.4	53
28	Microtubule-associated protein-dependent binding of phagosomes to microtubules. <i>Journal of Biological Chemistry</i> , 1996 , 271, 3803-11	5.4	60
27	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
26	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
25	Actin-based motility of vaccinia virus. <i>Nature</i> , 1995 , 378, 636-8	50.4	355
24	Gaining insight into a complex organelle, the phagosome, using two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 1995 , 16, 2249-57	3.6	27

23	Microtubule Dependent Transport and Fusion of Phagosomes with the Endocytic Pathway 1995 , 211-222		1
22	Fixation for Fine Structure Preservation and Immunocytochemistry 1993 , 26-89		15
21	Embedding Media for Section Immunocytochemistry 1993 , 90-136		2
20	Fine Structure Immunocytochemistry 1993 ,		324
19	Quantitative Aspects of Immunocytochemistry 1993 , 371-445		13
18	Fine-Structure Preservation 1993 , 9-25		2
17	Cryo and Replica Techniques for Immunolabelling 1993 , 137-203		6
16	Labelling Reactions for Immunocytochemistry 1993 , 237-278		5
15	Non-Immunological High-Affinity Interactions Used for Labelling 1993 , 307-344		1
14	Cell biology of viruses that assemble along the biosynthetic pathway. <i>Seminars in Cell Biology</i> , 1992 , 3, 367-81		103
13	The Compartments of the Endocytic Pathway 1992 , 73-83		3
12	The arguments for pre-existing early and late endosomes. <i>Trends in Cell Biology</i> , 1991 , 1, 5-9	18.3	131
11	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
10	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
9	A mitochondrial import receptor for the ADP/ATP carrier. <i>Cell</i> , 1990 , 62, 107-15	56.2	295
8	Hydrated cryo-section studies of endocytic structures in cells containing internalized gold markers imaged by TEM. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1990 , 48, 950-951		
7	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
6	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

- 5 MOM19, an import receptor for mitochondrial precursor proteins. *Cell*, **1989**, 59, 1061-70 56.2 334
- 4 The mannose 6-phosphate receptor and the biogenesis of lysosomes. *Cell*, **1988**, 52, 329-41 56.2 771
- 3 On the preparation of cryosections for immunocytochemistry. *Journal of Ultrastructure Research*, **1984**, 89, 65-78 418
- 2 Passage of viral membrane proteins through the Golgi complex. *Journal of Molecular Biology*, **1981**, 152, 663-98 6.5 194
- 1 Phagosome-Cytoskeleton Interactions 125-143