Paul A Gleeson

List of Publications by Year
in descending order

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112 papers	6,267 citations	57631 44 h-index	76769 74 g-index
113 all docs	113 docs citations	113 times ranked	9720 citing authors

#	Article	IF	Citations
1	Macropinocytosis: an endocytic pathway for internalising large gulps. Immunology and Cell Biology, 2011, 89, 836-843.	1.0	550
2	C9ORF72, implicated in amytrophic lateral sclerosis and frontotemporal dementia, regulates endosomal trafficking. Human Molecular Genetics, 2014, 23, 3579-3595.	1.4	410
3	The role of innate immune responses and neuroinflammation in amyloid accumulation and progression of Alzheimer's disease. Immunology and Cell Biology, 2020, 98, 28-41.	1.0	231
4	Organ-specific Autoimmunity Induced by Lymphopenia. Immunological Reviews, 1996, 149, 97-125.	2.8	181
5	A large family of endosome-localized proteins related to sorting nexin 1. Biochemical Journal, 2001, 358, 7-16.	1.7	145
6	A novel Golgi-localisation domain shared by a class of coiled-coil peripheral membrane proteins. Current Biology, 1999, 9, 385-390.	1.8	139
7	Gastric H+, K+-adenosine triphosphatase Î² subunit is required for normal function, development, and membrane structure of mouse parietal cells. Gastroenterology, 1999, 117, 605-618.	0.6	136
8	The trans-Golgi Network Golgin, GCC185, is Required for Endosome-to-Golgi Transport and Maintenance of Golgi Structure. Traffic, 2007, 8, 758-773.	1.3	129
9	Visualisation of macropinosome maturation by the recruitment of sorting nexins. Journal of Cell Science, 2006, 119, 3967-3980.	1.2	125
10	Intracellular sorting and transport of proteins. Progress in Biophysics and Molecular Biology, 2003, 83, 1-45.	1.4	111
11	Tracking protein aggregation and mislocalization in cells with flow cytometry. Nature Methods, 2012, 9, 467-470.	9.0	111
12	GRIP Domain-mediated Targeting of Two New Coiled-coil Proteins, GCC88 and GCC185, to Subcompartments of the trans-Golgi Network. Journal of Biological Chemistry, 2003, 278, 4216-4226.	1.6	108
13	E-Cadherin Transport from the trans-Golgi Network in Tubulovesicular Carriers is Selectively Regulated by Golgin-97. Traffic, 2005, 6, 1142-1156.	1.3	108
14	A large family of endosome-localized proteins related to sorting nexin 1. Biochemical Journal, 2001, 358, 7.	1.7	104
15	Human autoantibodies as reagents to conserved Golgi components. Characterization of a peripheral, 230-kDa compartment-specific Golgi protein.. Journal of Biological Chemistry, 1992, 267, 20255-20263.	1.6	103
16	Trafficking and localisation of resident Golgi glycosylation enzymes. Biochimie, 2001, 83, 763-773.	1.3	101
17	Domains of the TGN: Coats, Tethers and G Proteins. Traffic, 2004, 5, 315-326.	1.3	98
18	TGN golgins, Rabs and cytoskeleton: regulating the Golgi trafficking highways. Trends in Cell Biology, 2010, 20, 329-336.	3.6	95

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19	New Insights into Membrane Trafficking and Protein Sorting. International Review of Cytology, 2007, 261, 47-116.	6.2	93
20	A trans -Golgi network golgin is required for the regulated secretion of TNF in activated macrophages in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3351-3356.	3.3	93
21	Molecular Characterization of trans-Golgi p230. Journal of Biological Chemistry, 1996, 271, 8328-8337.	1.6	87
22	Conjugation of Transferrin to Azideâ€Modified CdSe/ZnS Coreâ€“Shell Quantum Dots using Cyclooctyne Click Chemistry. Angewandte Chemie - International Edition, 2012, 51, 10523-10527.	7.2	87
23	Macropinocytosis in Different Cell Types: Similarities and Differences. Membranes, 2020, 10, 177.	1.4	84
24	The Golgin GCC88 Is Required for Efficient Retrograde Transport of Cargo from the Early Endosomes to the Trans-Golgi Network. Molecular Biology of the Cell, 2007, 18, 4979-4991.	0.9	82
25	p230 is associated with vesicles budding from the trans-Golgi network. Journal of Cell Science, 1996, 109, 2811-2821.	1.2	81
26	Organ-specific autoimmunity induced by adult thymectomy and cyclophosphamide-induced lymphopenia. European Journal of Immunology, 1995, 25, 238-244.	1.6	78
27	The role of membrane trafficking in the processing of amyloid precursor protein and production of amyloid peptides in Alzheimer's disease. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 697-712.	1.4	72
28	Mammalian GRIP domain proteins differ in their membrane binding properties and are recruited to distinct domains of the TGN. Journal of Cell Science, 2004, 117, 5865-5874.	1.2	71
29	Form and function of the Golgi apparatus: scaffolds, cytoskeleton and signalling. FEBS Letters, 2019, 593, 2289-2305.	1.3	69
30	Interferon-Î³ is required during the initiation of an organ-specific autoimmune disease. European Journal of Immunology, 1996, 26, 1652-1655.	1.6	67
31	The Golgi-targeting sequence of the peripheral membrane protein p230. Journal of Cell Science, 1999, 112, 1645-1654.	1.2	67
32	Sorting nexin 5 is localized to a subdomain of the early endosomes and is recruited to the plasma membrane following EGF stimulation. Journal of Cell Science, 2004, 117, 6413-6424.	1.2	64
33	Sorting nexin 5 mediates virus-induced autophagy and immunity. Nature, 2021, 589, 456-461.	13.7	61
34	The Function of the Golgi Ribbon Structure â€“ An Enduring Mystery Unfolds!. BioEssays, 2017, 39, 1700063.	1.2	61
35	Rab9-dependent retrograde transport and endosomal sorting of the endopeptidase furin. Journal of Cell Science, 2011, 124, 2401-2413.	1.2	60
36	Dysregulation of intracellular trafficking and endosomal sorting in Alzheimer's disease: controversies and unanswered questions. Biochemical Journal, 2016, 473, 1977-1993.	1.7	59

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37	Medial-Golgi retention of N-acetylglucosaminyltransferase I. Contribution from all domains of the enzyme.. Journal of Biological Chemistry, 1994, 269, 12049-12059.	1.6	56
38	Expression of the Gastric H/K-ATPase Î±-Subunit in the Thymus may Explain the Dominant Role of the Î²-Subunit in the Pathogenesis of Autoimmune Gastritis. Autoimmunity, 1997, 25, 167-175.	1.2	53
39	Golgi Dynamics: The Morphology of the Mammalian Golgi Apparatus in Health and Disease. Frontiers in Cell and Developmental Biology, 2019, 7, 112.	1.8	52
40	Intracellular Itinerary of Internalised Î²â€Secretase, <scp>BACE1</scp>, and Its Potential Impact on Î²â€Amyloid Peptide Biogenesis. Traffic, 2013, 14, 997-1013.	1.3	51
41	Rab6a/aâ€™ Are Important Golgi Regulators of Pro-Inflammatory TNF Secretion in Macrophages. PLoS ONE, 2013, 8, e57034.	1.1	51
42	CD4 + CD25 + Regulatory T Cells Modulate the T-Cell and Antibody Responses in Helicobacter -Infected BALB/c Mice. Infection and Immunity, 2006, 74, 3519-3529.	1.0	50
43	Identification of different itineraries and retromer components for endosome-to-Golgi transport of TGN38 and Shiga toxin. European Journal of Cell Biology, 2010, 89, 379-393.	1.6	50
44	A role for SNX5 in the regulation of macropinocytosis. BMC Cell Biology, 2008, 9, 58.	3.0	49
45	Identification of an Endocytosis Motif in an Intracellular Loop of Wntless Protein, Essential for Its Recycling and the Control of Wnt Protein Signaling. Journal of Biological Chemistry, 2011, 286, 43324-43333.	1.6	49
46	Amyloid precursor protein traffics from the <scp>Golgi</scp> directly to early endosomes in an <scp>Arl5b</scp>â€•and <scp>AP4</scp>â€dependent pathway. Traffic, 2017, 18, 159-175.	1.3	49
47	GGA1 regulates signal-dependent sorting of BACE1 to recycling endosomes, which moderates AÎ² production. Molecular Biology of the Cell, 2018, 29, 191-208.	0.9	46
48	Targeting of the GRIP domain to the trans-Golgi network is conserved from protists to animals. European Journal of Cell Biology, 2002, 81, 485-495.	1.6	45
49	Cargo Sorting at the trans-Golgi Network for Shunting into Specific Transport Routes: Role of Arf Small G Proteins and Adaptor Complexes. Cells, 2019, 8, 531.	1.8	45
50	The Golgi ribbon in mammalian cells negatively regulates autophagy by modulating mTOR activity. Journal of Cell Science, 2018, 131, .	1.2	44
51	Membrane tethering. F1000prime Reports, 2014, 6, 74.	5.9	41
52	Tolerance and autoimmunity to a gastritogenic peptide in TCR transgenic mice. International Immunology, 2000, 12, 343-352.	1.8	39
53	Capacity of the Golgi Apparatus for Cargo Transport Prior to Complete Assembly. Molecular Biology of the Cell, 2006, 17, 4105-4117.	0.9	39
54	A Novel Method for Isolating Mononuclear Cells from the Stomachs of Mice with Experimental Autoimmune Gastritis. Autoimmunity, 1995, 21, 215-221.	1.2	38

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55	Regulation of HLA class I surface expression requires CD99 and p230/golgin-245 interaction. Blood, 2009, 113, 347-357.	0.6	38
56	Autoimmune Gastritis: Tolerance and Autoimmunity to the Gastric H+/K+Atpase (Proton Pump). Autoimmunity, 1992, 13, 165-172.	1.2	37
57	The Localization of the Golgin GCC185 Is Independent of Rab6A/A' and Arl1. Cell, 2009, 138, 787-794.	13.5	37
58	The Golgi architecture and cell sensing. Biochemical Society Transactions, 2018, 46, 1063-1072.	1.6	37
59	Immunopathogenesis, loss of T cell tolerance and genetics of autoimmune gastritis. Autoimmunity Reviews, 2002, 1, 290-297.	2.5	36
60	CD4+CD25+ Regulatory T Cells Inhibit the Antigen-Dependent Expansion of Self-Reactive T Cells In Vivo. Journal of Immunology, 2006, 176, 1609-1617.	0.4	35
61	The trans-Golgi network is a major site for Î±-secretase processing of amyloid precursor protein in primary neurons. Journal of Biological Chemistry, 2019, 294, 1618-1631.	1.6	35
62	The Regulation of Endosomeâ€toâ€Golgi Retrograde Transport by Tethers and Scaffolds. Traffic, 2011, 12, 939-947.	1.3	34
63	The trans-Golgi network GRIP-domain proteins form Î±-helical homodimers. Biochemical Journal, 2005, 388, 835-841.	1.7	33
64	Impact of glycans on Tâ€cell tolerance to glycosylated selfâ€antigens. Immunology and Cell Biology, 2008, 86, 574-579.	1.0	33
65	The role of endosomes in innate and adaptive immunity. Seminars in Cell and Developmental Biology, 2014, 31, 64-72.	2.3	33
66	Gastric parietal cell acid secretion in mice can be regulated independently of H+/K+ ATPase endocytosis. Gastroenterology, 2004, 127, 145-154.	0.6	30
67	SNX5 is essential for efficient macropinocytosis and antigen processing in primary macrophages. Biology Open, 2012, 1, 904-914.	0.6	30
68	Transient Tregâ€cell depletion in adult mice results in persistent selfâ€reactive CD4⁺ Tâ€cell responses. European Journal of Immunology, 2014, 44, 3621-3631.	1.6	30
69	Intersectin-1 interacts with the golgin GCC88 to couple the actin network and Golgi architecture. Molecular Biology of the Cell, 2019, 30, 370-386.	0.9	30
70	Promiscuous Thymic Expression of an Autoantigen Gene Does Not Result in Negative Selection of Pathogenic T Cells. Journal of Immunology, 2005, 175, 5759-5764.	0.4	29
71	FcRn mediates fast recycling of endocytosed albumin and IgG from early macropinosomes in primary macrophages. Journal of Cell Science, 2020, 133, .	1.2	29
72	Shaping the T cell repertoire to a bona fide autoantigen: lessons from autoimmune gastritis. Current Opinion in Immunology, 2005, 17, 570-576.	2.4	27

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73	A role for Rab11 in the homeostasis of the endosome-lysosomal pathway. Experimental Cell Research, 2019, 380, 55-68.	1.2	27
74	Arl5b is a Golgi-localised small G protein involved in the regulation of retrograde transport. Experimental Cell Research, 2012, 318, 464-477.	1.2	26
75	Cargo trafficking between endosomes and the trans-Golgi network. Histochemistry and Cell Biology, 2013, 140, 307-315.	0.8	24
76	Half-lifeâ€“extended recombinant coagulation factor IXâ€“albumin fusion protein is recycled via the FcRn-mediated pathway. Journal of Biological Chemistry, 2018, 293, 6363-6373.	1.6	23
77	Expression of a gastric autoantigen in pancreatic islets results in non-destructive insulitis after neonatal thymectomy. European Journal of Immunology, 1995, 25, 2686-2694.	1.6	22
78	Prevention of Autoimmune Gastritis in Mice Requires Extra-Thymic T-Cell Deletion and Suppression by Regulatory T Cells. Gastroenterology, 2007, 133, 547-558.	0.6	22
79	Heterogeneity of human antiâ€Golgi autoâ€antibodies: Reactivity with components from 35 to 260 kDa. Immunology and Cell Biology, 1994, 72, 123-127.	1.0	20
80	Endogenous H/K ATPase Î²-Subunit Promotes T Cell Tolerance to the Immunodominant Gastritogenic Determinant. Journal of Immunology, 2002, 169, 2361-2367.	0.4	20
81	Local Secretory Trafficking Pathways in Neurons and the Role of Dendritic Golgi Outposts in Different Cell Models. Frontiers in Molecular Neuroscience, 2020, 13, 597391.	1.4	20
82	Sorting nexin 5 (SNX5) selectively regulates dorsal ruffle-mediated macropinocytosis in primary macrophages. Journal of Cell Science, 2015, 128, 4407-19.	1.2	19
83	Distinct anterograde trafficking pathways of BACE1 and amyloid precursor protein from the TGN and the regulation of amyloid-Î² production. Molecular Biology of the Cell, 2020, 31, 27-44.	0.9	19
84	Reciprocal changes in trefoil 1 and 2 expression in stomachs of mice with gastric unit hypertrophy and inflammation. Journal of Pathology, 2005, 207, 43-52.	2.1	18
85	Endosome-to-Golgi transport pathways in physiological processes. Histology and Histopathology, 2011, 26, 395-408.	0.5	18
86	The Golgi apparatus in the endomembraneâ€rich gastric parietal cells exist as functional stable miniâ€stacks dispersed throughout the cytoplasm. Biology of the Cell, 2011, 103, 559-572.	0.7	16
87	Independent trafficking of the KCNQ1 K⁺channel and H⁺-K⁺-ATPase in gastric parietal cells from mice. American Journal of Physiology - Renal Physiology, 2013, 304, G157-G166.	1.6	16
88	Growth factors associated with gastric mucosal hypertrophy in autoimmune gastritis. American Journal of Physiology - Renal Physiology, 2004, 287, G910-G918.	1.6	15
89	Extrathymic mechanisms of T cell tolerance: Lessons from autoimmune gastritis. Journal of Autoimmunity, 2008, 31, 268-273.	3.0	14
90	Shaping the Tâ€cell repertoire in the periphery. Immunology and Cell Biology, 2011, 89, 60-69.	1.0	13

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91	Intracellular trafficking of the Î²-secretase and processing of amyloid precursor protein. IUBMB Life, 2011, 63, n/a-n/a.	1.5	13
92	Highâ€Throughput Quantitation of Intracellular Trafficking and Organelle Disruption by Flow Cytometry. Traffic, 2014, 15, 572-582.	1.3	13
93	Pathogenic <scp>T</scp> cells persist after reversal of autoimmune disease by immunosuppression with regulatory <scp>T</scp> cells. European Journal of Immunology, 2013, 43, 1286-1296.	1.6	12
94	Amyloid Î² production along the neuronal secretory pathway: Dangerous liaisons in the Golgi?. Traffic, 2021, 22, 319-327.	1.3	12
95	Imaging and Quantitation Techniques for Tracking Cargo along Endosome-to-Golgi Transport Pathways. Cells, 2013, 2, 105-123.	1.8	10
96	Regulation of mTORC1 activity by the Golgi apparatus. Faculty Reviews, 2021, 10, 50.	1.7	10
97	Application of Flow Cytometry to Analyze Intracellular Location and Trafficking of Cargo in Cell Populations. Methods in Molecular Biology, 2015, 1270, 227-238.	0.4	10
98	Isolation, culture and adenoviral transduction of parietal cells from mouse gastric mucosa. Biomedical Materials (Bristol), 2008, 3, 034117.	1.7	9
99	Emerging Insights into the Roles of Membrane Tethers from Analysis of Whole Organisms: The Tip of an Iceberg?. Frontiers in Cell and Developmental Biology, 2016, 4, 12.	1.8	9
100	The sweet side of immunology: glycobiology of the immune system. Immunology and Cell Biology, 2008, 86, 562-563.	1.0	8
101	Perturbation of gastric mucosa in mice expressing the temperature-sensitive mutant of SV40 large T antigen. Potential for establishment of an immortalised parietal cell line. European Journal of Cell Biology, 2002, 81, 281-293.	1.6	7
102	A role for Rab30 in retrograde trafficking and maintenance of endosome-TGN organization. Experimental Cell Research, 2021, 399, 112442.	1.2	7
103	Transient Systemic Inflammation Does Not Alter the Induction of Tolerance to Gastric Autoantigens by Migratory Dendritic Cells. Journal of Immunology, 2014, 192, 5023-5030.	0.4	6
104	Segregation of the membrane cargoes, BACE1 and amyloid precursor protein (APP) throughout the Golgi apparatus. Traffic, 2022, , .	1.3	6
105	Intracellular trafficking of the Î²-secretase and processing of amyloid precursor protein. IUBMB Life, 2011, 63, spcone-spcone.	1.5	4
106	Interacting partners of Golgiâ€localized small G protein Arl5b identified by a combination of inâ€‰vivo proximity labelling and GFPâ€Trap pull down. FEBS Letters, 2022, 596, 2382-2399.	1.3	4
107	Signal dependent transport of a membrane cargo from early endosomes to recycling endosomes. European Journal of Cell Biology, 2017, 96, 418-431.	1.6	3
108	Rapamycin results in Bim-mediated loss of thymic regulatory T cells during development in organ culture. International Immunology, 2016, 28, 513-518.	1.8	2

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109	Dynamics of intracellular neonatal Fc receptorâ€“ligand interactions in primary macrophages using biophysical fluorescence techniques. Molecular Biology of the Cell, 2022, 33, ar6.	0.9	2
110	The best of both world, how a "Christmas tree" TEM can please biologist and material scientists. Microscopy and Microanalysis, 2015, 21, 913-914.	0.2	1
111	Increased endogenous antigen presentation in the periphery enhances susceptibility to inflammationâ€induced gastric autoimmunity in mice. European Journal of Immunology, 2017, 47, 155-167.	1.6	0
112	Structure and domain organization of the trans- Golgi network. , 2008, , 358-374.		0