

Gillian M Griffiths

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

7,562
citations

66343

42
h-index

88630

70
g-index

81
all docs

81
docs citations

81
times ranked

7819
citing authors

#	ARTICLE	IF	CITATIONS
1	The Immunological Synapse of CTL Contains a Secretary Domain and Membrane Bridges. <i>Immunity</i> , 2001, 15, 751-761.	14.3	728
2	Centrosome polarization delivers secretory granules to the immunological synapse. <i>Nature</i> , 2006, 443, 462-465.	27.8	560
3	Rab27a Is Required for Regulated Secretion in Cytotoxic T Lymphocytes. <i>Journal of Cell Biology</i> , 2001, 152, 825-834.	5.2	372
4	Familial Hemophagocytic Lymphohistiocytosis Type 5 (FHL-5) Is Caused by Mutations in Munc18-2 and Impaired Binding to Syntaxin 11. <i>American Journal of Human Genetics</i> , 2009, 85, 482-492.	6.2	370
5	Linking Albinism and Immunity: The Secrets of Secretory Lysosomes. <i>Science</i> , 2004, 305, 55-59.	12.6	324
6	Secretory Mechanisms in Cell-Mediated Cytotoxicity. <i>Annual Review of Cell and Developmental Biology</i> , 2007, 23, 495-517.	9.4	278
7	Actin Depletion Initiates Events Leading to Granule Secretion at the Immunological Synapse. <i>Immunity</i> , 2015, 42, 864-876.	14.3	271
8	The Biogenesis of Lysosomes and Lysosome-Related Organelles. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016840-a016840.	5.5	255
9	Adaptor protein 3-dependent microtubule-mediated movement of lytic granules to the immunological synapse. <i>Nature Immunology</i> , 2003, 4, 1111-1120.	14.5	227
10	The immunological synapse: a focal point for endocytosis and exocytosis. <i>Journal of Cell Biology</i> , 2010, 189, 399-406.	5.2	222
11	Serial killing by cytotoxic T lymphocytes: T cell receptor triggers degranulation, re-filling of the lytic granules and secretion of lytic proteins via a non-granule pathway. <i>European Journal of Immunology</i> , 1995, 25, 1071-1079.	2.9	202
12	An early history of T cell-mediated cytotoxicity. <i>Nature Reviews Immunology</i> , 2018, 18, 527-535.	22.7	179
13	Analysis of natural killer cell function in familial hemophagocytic lymphohistiocytosis (FHL): defective CD107a surface expression heralds Munc13-4 defect and discriminates between genetic subtypes of the disease. <i>Blood</i> , 2006, 108, 2316-2323.	1.4	161
14	Genetic predisposition to hemophagocytic lymphohistiocytosis: Report on 500 patients from the Italian registry. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 188-196.e4.	2.9	139
15	Fas ligand is targeted to secretory lysosomes via a proline-rich domain in its cytoplasmic tail. <i>Journal of Cell Science</i> , 2001, 114, 2405-2416.	2.0	138
16	The Strength of T Cell Receptor Signal Controls the Polarization of Cytotoxic Machinery to the Immunological Synapse. <i>Immunity</i> , 2009, 31, 621-631.	14.3	137
17	Innate immunity defects in Hermansky-Pudlak type 2 syndrome. <i>Blood</i> , 2006, 107, 4857-4864.	1.4	136
18	Origins of the cytolytic synapse. <i>Nature Reviews Immunology</i> , 2016, 16, 421-432.	22.7	129

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19	Regulated Secretion from Hemopoietic Cells. <i>Journal of Cell Biology</i> , 1999, 147, 1-5.	5.2	128
20	The role of the cytoskeleton at the immunological synapse. <i>Immunological Reviews</i> , 2013, 256, 107-117.	6.0	121
21	Hedgehog Signaling Controls T Cell Killing at the Immunological Synapse. <i>Science</i> , 2013, 342, 1247-1250.	12.6	119
22	Sorting of Fas ligand to secretory lysosomes is regulated by mono-ubiquitylation and phosphorylation. <i>Journal of Cell Science</i> , 2007, 120, 191-199.	2.0	118
23	Distinctive phenotypes and functions of innate lymphoid cells in human decidua during early pregnancy. <i>Nature Communications</i> , 2020, 11, 381.	12.8	110
24	Atypical familial hemophagocytic lymphohistiocytosis due to mutations in <i>UNC13D</i> and <i>STXBP2</i> overlaps with primary immunodeficiency diseases. <i>Haematologica</i> , 2010, 95, 2080-2087.	3.5	109
25	Positive and Negative Signaling through SLAM Receptors Regulate Synapse Organization and Thresholds of Cytolysis. <i>Immunity</i> , 2012, 36, 1003-1016.	14.3	104
26	Analysis of the Lysosomal Storage Disease Chediak-Higashi Syndrome. <i>Traffic</i> , 2000, 1, 816-822.	2.7	101
27	Familial Hemophagocytic Lymphohistiocytosis: When Rare Diseases Shed Light on Immune System Functioning. <i>Frontiers in Immunology</i> , 2014, 5, 167.	4.8	93
28	Secretory Lysosome Biogenesis in Cytotoxic T Lymphocytes from Normal and Chediak Higashi Syndrome Patients. <i>Traffic</i> , 2000, 1, 435-444.	2.7	89
29	Slp1 and Slp2 α Localize to the Plasma Membrane of CTL and Contribute to Secretion from the Immunological Synapse. <i>Traffic</i> , 2008, 9, 446-457.	2.7	87
30	Centrosome docking at the immunological synapse is controlled by Lck signaling. <i>Journal of Cell Biology</i> , 2011, 192, 663-674.	5.2	85
31	The cytotoxic T lymphocyte immune synapse at a glance. <i>Journal of Cell Science</i> , 2016, 129, 2881-2886.	2.0	81
32	A single amino acid change, A91V, leads to conformational changes that can impair processing to the active form of perforin. <i>Blood</i> , 2005, 106, 932-937.	1.4	80
33	Cell polarisation and the immunological synapse. <i>Current Opinion in Cell Biology</i> , 2013, 25, 85-91.	5.4	79
34	The synapse and cytolytic machinery of cytotoxic T cells. <i>Current Opinion in Immunology</i> , 2010, 22, 308-313.	5.5	77
35	Cortical actin recovery at the immunological synapse leads to termination of lytic granule secretion in cytotoxic T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6585-E6594.	7.1	75
36	T cell cytolytic capacity is independent of initial stimulation strength. <i>Nature Immunology</i> , 2018, 19, 849-858.	14.5	74

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37	Syntaxin binding mechanism and disease-causing mutations in Munc18-2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4482-91.	7.1	70
38	Loss of ARPC1B impairs cytotoxic T lymphocyte maintenance and cytolytic activity. Journal of Clinical Investigation, 2019, 129, 5600-5614.	8.2	70
39	Mother Centriole Distal Appendages Mediate Centrosome Docking at the Immunological Synapse and Reveal Mechanistic Parallels with Ciliogenesis. Current Biology, 2015, 25, 3239-3244.	3.9	63
40	Centriole polarisation to the immunological synapse directs secretion from cytolytic cells of both the innate and adaptive immune systems. BMC Biology, 2011, 9, 45.	3.8	60
41	Syntaxin 11 is required for NK and CD8 ⁺ T cell cytotoxicity and neutrophil degranulation. European Journal of Immunology, 2013, 43, 194-208.	2.9	57
42	Mitochondrial translation is required for sustained killing by cytotoxic T cells. Science, 2021, 374, eabe9977.	12.6	55
43	PIP5 Kinases Regulate Membrane Phosphoinositide and Actin Composition for Targeted Granule Secretion by Cytotoxic Lymphocytes. Immunity, 2018, 49, 427-437.e4.	14.3	51
44	Communication, the centrosome and the immunological synapse. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130463.	4.0	50
45	Distinct structural and catalytic roles for Zap70 in formation of the immunological synapse in CTL. ELife, 2014, 3, e01310.	6.0	41
46	Patients with Griscelli syndrome and normal pigmentation identify RAB27A mutations that selectively disrupt MUNC13-4 binding. Journal of Allergy and Clinical Immunology, 2015, 135, 1310-1318.e1.	2.9	40
47	A Role for Rab7 in the Movement of Secretory Granules in Cytotoxic T Lymphocytes. Traffic, 2011, 12, 902-911.	2.7	39
48	Ca ²⁺ Release from the Endoplasmic Reticulum of NY-ESO-1-Specific T Cells Is Modulated by the Affinity of TCR and by the Use of the CD8 Coreceptor. Journal of Immunology, 2010, 184, 1829-1839.	0.8	36
49	Inducible T Cell Kinase Regulates the Acquisition of Cytolytic Capacity and Degranulation in CD8 ⁺ CTLs. Journal of Immunology, 2017, 198, 2699-2711.	0.8	33
50	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. Nature Immunology, 2020, 21, 86-100.	14.5	32
51	What's special about secretory lysosomes?. Seminars in Cell and Developmental Biology, 2002, 13, 279-284.	5.0	29
52	Normal and abnormal secretion by haemopoietic cells. Immunology, 2001, 103, 10-16.	4.4	27
53	Munc18 ² is required for Syntaxin 11 Localization on the Plasma Membrane in Cytotoxic T Lymphocytes. Traffic, 2015, 16, 1330-1341.	2.7	27
54	Fas Ligand localizes to intraluminal vesicles within NK cell cytolytic granules and is enriched at the immune synapse. Immunity, Inflammation and Disease, 2018, 6, 312-321.	2.7	26

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55	Teasing out function from morphology: Similarities between primary cilia and immune synapses. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	22
56	Cytoskeletal control of the secretory immune synapse. <i>Current Opinion in Cell Biology</i> , 2021, 71, 87-94.	5.4	18
57	Normal Lytic Granule Secretion by Cytotoxic T Lymphocytes Deficient in BLOC-1, -2 and -3 and Myosins Va, VIIa and XV. <i>Traffic</i> , 2005, 6, 243-251.	2.7	17
58	Phospholipids: Pulling Back the Actin Curtain for Granule Delivery to the Immune Synapse. <i>Frontiers in Immunology</i> , 2019, 10, 700.	4.8	17
59	Signal strength controls the rate of polarization within CTLs during killing. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	16
60	Albinism and Immunity: Whats the Link?. <i>Current Molecular Medicine</i> , 2002, 2, 479-483.	1.3	16
61	Stimulation strength controls the rate of initiation but not the molecular organisation of TCR-induced signalling. <i>ELife</i> , 2020, 9, .	6.0	16
62	Cytotoxic <sc>T</sc> lymphocyte effector function is independent of nucleusâ€“centrosome dissociation. <i>European Journal of Immunology</i> , 2012, 42, 2132-2141.	2.9	15
63	Griscelli Syndrome Type 2 Sine Albinism: Unraveling Differential RAB27A Effector Engagement. <i>Frontiers in Immunology</i> , 2020, 11, 612977.	4.8	14
64	Secretion from Myeloid Cells: Secretory Lysosomes. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	10
65	Gaucher Disease: Forging a New Path to the Lysosome. <i>Cell</i> , 2007, 131, 647-649.	28.9	9
66	Arming a killer: mitochondrial regulation of CD8+ T cell cytotoxicity. <i>Trends in Cell Biology</i> , 2023, 33, 138-147.	7.9	9
67	Staggered starts in the race to T cell activation. <i>Trends in Immunology</i> , 2021, 42, 994-1008.	6.8	7
68	Open questions: missing pieces from the immunological jigsaw puzzle. <i>BMC Biology</i> , 2013, 11, 10.	3.8	6
69	Gillian Griffiths: How T cells get on target. <i>Journal of Cell Biology</i> , 2013, 200, 4-5.	5.2	4
70	Imaging the Effector CD8 Synapse. <i>Methods in Molecular Biology</i> , 2017, 1584, 473-486.	0.9	1
71	Secretion from Myeloid Cells: Secretory Lysosomes. , 2017, , 591-597.		0
72	Novel Munc13-4 Mutations in Patients with Hemophagocytic Lymphohistiocytosis.. <i>Blood</i> , 2005, 106, 2807-2807.	1.4	0

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73	Defective CD107a Surface Expression Heralds Munc13-4 Defect and Discriminates between Genetic Subtypes of Familial Hemophagocytic Lymphohistiocytosis (FHL).. Blood, 2006, 108, 1248-1248.	1.4	0
74	The immunological synapse: a focal point for endocytosis and exocytosis. Journal of Experimental Medicine, 2010, 207, i14-i14.	8.5	0