Gillian M Griffiths

List of Publications by Year
in descending order

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74	7,562	66343	88630
papers	citations	42 h-index	70 g-index

81	81	81	7819
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arming a killer: mitochondrial regulation of CD8+ T cell cytotoxicity. Trends in Cell Biology, 2023, 33, 138-147.	7.9	9
2	Teasing out function from morphology: Similarities between primary cilia and immune synapses. Journal of Cell Biology, 2021, 220, .	5.2	22
3	Signal strength controls the rate of polarization within CTLs during killing. Journal of Cell Biology, 2021, 220, .	5.2	16
4	Cytoskeletal control of the secretory immune synapse. Current Opinion in Cell Biology, 2021, 71, 87-94.	5.4	18
5	Mitochondrial translation is required for sustained killing by cytotoxic T cells. Science, 2021, 374, eabe9977.	12.6	55
6	Staggered starts in the race to T cell activation. Trends in Immunology, 2021, 42, 994-1008.	6.8	7
7	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. Nature Immunology, 2020, 21, 86-100.	14.5	32
8	Griscelli Syndrome Type 2 Sine Albinism: Unraveling Differential RAB27A Effector Engagement. Frontiers in Immunology, 2020, 11, 612977.	4.8	14
9	Distinctive phenotypes and functions of innate lymphoid cells in human decidua during early pregnancy. Nature Communications, 2020, 11, 381.	12.8	110
10	Stimulation strength controls the rate of initiation but not the molecular organisation of TCR-induced signalling. ELife, 2020, 9, .	6.0	16
11	Phospholipids: Pulling Back the Actin Curtain for Granule Delivery to the Immune Synapse. Frontiers in Immunology, 2019, 10, 700.	4.8	17
12	Loss of ARPC1B impairs cytotoxic T lymphocyte maintenance and cytolytic activity. Journal of Clinical Investigation, 2019, 129, 5600-5614.	8.2	70
13	An early history of T cell-mediated cytotoxicity. Nature Reviews Immunology, 2018, 18, 527-535.	22.7	179
14	PIP5 Kinases Regulate Membrane Phosphoinositide and Actin Composition for Targeted Granule Secretion by Cytotoxic Lymphocytes. Immunity, 2018, 49, 427-437.e4.	14.3	51
15	T cell cytolytic capacity is independent of initial stimulation strength. Nature Immunology, 2018, 19, 849-858.	14.5	74
16	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
17	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
18	Imaging the Effector CD8 Synapse. Methods in Molecular Biology, 2017, 1584, 473-486.	0.9	1

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19	Cortical actin recovery at the immunological synapse leads to termination of lytic granule secretion in cytotoxic T lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6585-E6594.	7.1	75
20	Secretion from Myeloid Cells: Secretory Lysosomes. , 2017, , 591-597.		0
21	Secretion from Myeloid Cells: Secretory Lysosomes. Microbiology Spectrum, 2016, 4, .	3.0	10
22	The cytotoxic T lymphocyte immune synapse at a glance. Journal of Cell Science, 2016, 129, 2881-2886.	2.0	81
23	Origins of the cytolytic synapse. Nature Reviews Immunology, 2016, 16, 421-432.	22.7	129
24	Genetic predisposition to hemophagocytic lymphohistiocytosis: Report on 500 patients from the Italian registry. Journal of Allergy and Clinical Immunology, 2016, 137, 188-196.e4.	2.9	139
25	Munc18â€2 is required for Syntaxin 11 Localization on the Plasma Membrane inÂCytotoxic Tâ€Lymphocytes. Traffic, 2015, 16, 1330-1341.	2.7	27
26	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
27	Actin Depletion Initiates Events Leading to Granule Secretion at the Immunological Synapse. Immunity, 2015, 42, 864-876.	14.3	271
28	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
29	Communication, the centrosome and the immunological synapse. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130463.	4.0	50
30	Familial Hemophagocytic Lymphohistiocytosis: When Rare Diseases Shed Light on Immune System Functioning. Frontiers in Immunology, 2014, 5, 167.	4.8	93
31	The Biogenesis of Lysosomes and Lysosome-Related Organelles. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016840-a016840.	5.5	255
32	Distinct structural and catalytic roles for Zap70 in formation of the immunological synapse in CTL. ELife, 2014, 3, e01310.	6.0	41
33	Open questions: missing pieces from the immunological jigsaw puzzle. BMC Biology, 2013, 11, 10.	3.8	6
34	Hedgehog Signaling Controls T Cell Killing at the Immunological Synapse. Science, 2013, 342, 1247-1250.	12.6	119
35	Syntaxin 11 is required for NK and CD8⁺ Tâ€cell cytotoxicity and neutrophil degranulation. European Journal of Immunology, 2013, 43, 194-208.	2.9	57
36	Cell polarisation and the immunological synapse. Current Opinion in Cell Biology, 2013, 25, 85-91.	5.4	79

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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	The role of the cytoskeleton at the immunological synapse. Immunological Reviews, 2013, 256, 107-117.	6.0	121
39	Gillian Griffiths: How T cells get on target. Journal of Cell Biology, 2013, 200, 4-5.	5.2	4
40	Positive and Negative Signaling through SLAM Receptors Regulate Synapse Organization and Thresholds of Cytolysis. Immunity, 2012, 36, 1003-1016.	14.3	104
41	Cytotoxic <scp>T</scp> lymphocyte effector function is independent of nucleusâ€“centrosome dissociation. European Journal of Immunology, 2012, 42, 2132-2141.	2.9	15
42	A Role for Rab7 in the Movement of Secretory Granules in Cytotoxic T Lymphocytes. Traffic, 2011, 12, 902-911.	2.7	39
43	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
44	Centrosome docking at the immunological synapse is controlled by Lck signaling. Journal of Cell Biology, 2011, 192, 663-674.	5.2	85
45	Atypical familial hemophagocytic lymphohistiocytosis due to mutations in UNC13D and STXBP2 overlaps with primary immunodeficiency diseases. Haematologica, 2010, 95, 2080-2087.	3.5	109
46	The synapse and cytolytic machinery of cytotoxic T cells. Current Opinion in Immunology, 2010, 22, 308-313.	5.5	77
47	The immunological synapse: a focal point for endocytosis and exocytosis. Journal of Cell Biology, 2010, 189, 399-406.	5.2	222
48	Ca2+ Release from the Endoplasmic Reticulum of NY-ESO-1â€“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	The immunological synapse: a focal point for endocytosis and exocytosis. Journal of Experimental Medicine, 2010, 207, i14-i14.	8.5	0
50	The Strength of T Cell Receptor Signal Controls the Polarization of Cytotoxic Machinery to the Immunological Synapse. Immunity, 2009, 31, 621-631.	14.3	137
51	Familial Hemophagocytic Lymphohistiocytosis Type 5 (FHL-5) Is Caused by Mutations in Munc18-2 and Impaired Binding to Syntaxin 11. American Journal of Human Genetics, 2009, 85, 482-492.	6.2	370
52	Slp1 and Slp2â€a Localize to the Plasma Membrane of CTL and Contribute to Secretion from the Immunological Synapse. Traffic, 2008, 9, 446-457.	2.7	87
53	Sorting of Fas ligand to secretory lysosomes is regulated by mono-ubiquitylation and phosphorylation. Journal of Cell Science, 2007, 120, 191-199.	2.0	118
54	Gaucher Disease: Forging a New Path to the Lysosome. Cell, 2007, 131, 647-649.	28.9	9

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55	Secretory Mechanisms in Cell-Mediated Cytotoxicity. Annual Review of Cell and Developmental Biology, 2007, 23, 495-517.	9.4	278
56	Innate immunity defects in Hermansky-Pudlak type 2 syndrome. Blood, 2006, 107, 4857-4864.	1.4	136
57	Analysis of natural killerâ€“cell function in familial hemophagocytic lymphohistiocytosis (FHL): defective CD107a surface expression heralds Munc13-4 defect and discriminates between genetic subtypes of the disease. Blood, 2006, 108, 2316-2323.	1.4	161
58	Centrosome polarization delivers secretory granules to the immunological synapse. Nature, 2006, 443, 462-465.	27.8	560
59	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
60	A single amino acid change, A91V, leads to conformational changes that can impair processing to the active form of perforin. Blood, 2005, 106, 932-937.	1.4	80
61	Normal Lytic Granule Secretion by Cytotoxic T Lymphocytes Deficient in BLOC-1, -2 and -3 and Myosins Va, VIIa and XV. Traffic, 2005, 6, 243-251.	2.7	17
62	Novel Munc13-4 Mutations in Patients with Hemophagocytic Lymphohistiocytosis.. Blood, 2005, 106, 2807-2807.	1.4	0
63	Linking Albinism and Immunity: The Secrets of Secretory Lysosomes. Science, 2004, 305, 55-59.	12.6	324
64	Adaptor protein 3â€“dependent microtubule-mediated movement of lytic granules to the immunological synapse. Nature Immunology, 2003, 4, 1111-1120.	14.5	227
65	Whatâ€™s special about secretory lysosomes?. Seminars in Cell and Developmental Biology, 2002, 13, 279-284.	5.0	29
66	Albinism and Immunity: Whats the Link?. Current Molecular Medicine, 2002, 2, 479-483.	1.3	16
67	The Immunological Synapse of CTL Contains a Secretory Domain and Membrane Bridges. Immunity, 2001, 15, 751-761.	14.3	728
68	Normal and abnormal secretion by haemopoietic cells. Immunology, 2001, 103, 10-16.	4.4	27
69	Rab27a Is Required for Regulated Secretion in Cytotoxic T Lymphocytes. Journal of Cell Biology, 2001, 152, 825-834.	5.2	372
70	Fas ligand is targeted to secretory lysosomes via a proline-rich domain in its cytoplasmic tail. Journal of Cell Science, 2001, 114, 2405-2416.	2.0	138
71	Secretory Lysosome Biogenesis in Cytotoxic T Lymphocytes from Normal and Chediak Higashi Syndrome Patients. Traffic, 2000, 1, 435-444.	2.7	89
72	Analysis of the Lysosomal Storage Disease Chediak-Higashi Syndrome. Traffic, 2000, 1, 816-822.	2.7	101

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73	Regulated Secretion from Hemopoietic Cells. Journal of Cell Biology, 1999, 147, 1-5.	5.2	128
74	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. European Journal of Immunology, 1995, 25, 1071-1079.	2.9	202