

# Sarah M Russell

## List of Publications by Year in descending order

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81  
papers

5,705  
citations

126907

33  
h-index

85541

71  
g-index

88  
all docs

88  
docs citations

88  
times ranked

6495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishing a multiplex imaging panel to study T cell development in the thymus in mouse. STAR Protocols, 2022, 3, 101472.	1.2	1
2	Developing T cells form an immunological synapse for passage through the $\beta$ 2-selection checkpoint. Journal of Cell Biology, 2021, 220, .	5.2	18
3	A new role for Notch in the control of polarity and asymmetric cell division of developing T cells. Journal of Cell Science, 2020, 133, .	2.0	17
4	Parity reduces mammary repopulating activity but does not affect mammary stem cells defined as CD24 <sup>+</sup> CD29/CD49fhi in mice. Breast Cancer Research and Treatment, 2020, 183, 565-575.	2.5	4
5	Nanoscale magnetic imaging enabled by nitrogen vacancy centres in nanodiamonds labelled by iron oxide nanoparticles. Nanoscale, 2020, 12, 8847-8857.	5.6	18
6	An integrated transcriptional switch at the $\beta$ 2-selection checkpoint determines T cell survival, development and leukaemogenesis. Biochemical Society Transactions, 2019, 47, 1077-1089.	3.4	9
7	Maps of variability in cell lineage trees. PLoS Computational Biology, 2019, 15, e1006745.	3.2	9
8	Context-Specific Mechanisms of Cell Polarity Regulation. Journal of Molecular Biology, 2018, 430, 3457-3471.	4.2	21
9	Superresolved Magnetic Imaging of Cells with Nanodiamonds. , 2018, , .		0
10	Imaging Asymmetric T Cell Division. Methods in Molecular Biology, 2017, 1584, 383-398.	0.9	6
11	<i>In vitro</i> tracking and intracellular protein distribution in immunology. Immunology and Cell Biology, 2017, 95, 501-505.	2.3	1
12	Chitosan-coated amyloid fibrils increase adipogenesis of mesenchymal stem cells. Materials Science and Engineering C, 2017, 79, 363-371.	7.3	16
13	The Asymmetric Cell Division Regulators Par3, Scribble and Pins/Gpsm2 Are Not Essential for Erythroid Development or Enucleation. PLoS ONE, 2017, 12, e0170295.	2.5	4
14	Scribble impacts on thymocyte numbers in vivo. Experimental Hematology, 2016, 44, S69.	0.4	0
15	Mediating signaling response to actin-mediated forces: Caspase-1 is causal in the T cell response to forces triggered by antigen presentation. Immunology and Cell Biology, 2016, 94, 905-906.	2.3	0
16	Dense small molecule labeling enables activator-dependent STORM by proximity mapping. Histochemistry and Cell Biology, 2016, 146, 255-266.	1.7	11
17	Polarity and asymmetric cell division in the control of lymphocyte fate decisions and function. Current Opinion in Immunology, 2016, 39, 143-149.	5.5	6
18	Lethal giant larvae-1 deficiency enhances the CD8 + effector T cell response to antigen challenge in vivo. Immunology and Cell Biology, 2016, 94, 306-311.	2.3	5

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19	Scribble acts as an oncogene in E $\frac{1}{4}$ -myc-driven lymphoma. <i>Oncogene</i> , 2016, 35, 1193-1197.	5.9	15
20	Calcium Signaling Is Required for Erythroid Enucleation. <i>PLoS ONE</i> , 2016, 11, e0146201.	2.5	17
21	The polarity protein, PAR3, is a key regulator of haematopoietic progenitors. <i>Experimental Hematology</i> , 2015, 43, S61.	0.4	0
22	A Chemical Screening Approach to Identify Novel Key Mediators of Erythroid Enucleation. <i>PLoS ONE</i> , 2015, 10, e0142655.	2.5	8
23	The Scribbleâ€“Dlgâ€“Lgl Module in Cell Polarity Regulation. , 2015, , 65-111.		8
24	Polarization of excitation light influences molecule counting in single-molecule localization microscopy. <i>Histochemistry and Cell Biology</i> , 2015, 143, 11-19.	1.7	6
25	Asymmetric cell division during T cell development controls downstream fate. <i>Journal of Cell Biology</i> , 2015, 210, 933-950.	5.2	33
26	Polarized Cells, Polarized Views: Asymmetric Cell Division in Hematopoietic Cells. <i>Frontiers in Immunology</i> , 2014, 5, 26.	4.8	36
27	Cutting Edge: DNAX Accessory Molecule 1â€“Deficient CD8+ T Cells Display Immunological Synapse Defects That Impair Antitumor Immunity. <i>Journal of Immunology</i> , 2014, 192, 553-557.	0.8	39
28	Role of the polarity protein, scribble, in hematopoiesis and leukemia. <i>Experimental Hematology</i> , 2014, 42, S31.	0.4	0
29	Lethal Giant Larvae 1 Tumour Suppressor Activity Is Not Conserved in Models of Mammalian T and B Cell Leukaemia. <i>PLoS ONE</i> , 2014, 9, e87376.	2.5	17
30	Normalized Polarization Ratios for the Analysis of Cell Polarity. <i>PLoS ONE</i> , 2014, 9, e99885.	2.5	12
31	Regulation of asymmetric cell division and polarity by Scribble is not required for humoral immunity. <i>Nature Communications</i> , 2013, 4, 1801.	12.8	65
32	Divergent lymphocyte signalling revealed by a powerful new tool for analysis of timeâ€“lapse microscopy. <i>Immunology and Cell Biology</i> , 2013, 91, 70-81.	2.3	19
33	TACTICS, an interactive platform for customized high-content bioimaging analysis. <i>Bioinformatics</i> , 2013, 29, 817-818.	4.1	11
34	Perturbation Of Gpsm2/Lgn Enhances Haematopoietic Stem Cell Function. <i>Blood</i> , 2013, 122, 1176-1176.	1.4	1
35	Interplay of Polarity Proteins and GTPases in T-Lymphocyte Function. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-8.	3.3	5
36	Asymmetric segregation and self-renewal of hematopoietic stem and progenitor cells with endocytic Ap2a2. <i>Blood</i> , 2012, 119, 2510-2522.	1.4	84

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37	Characterization of In Vivo Dlg1 Deletion on T Cell Development and Function. PLoS ONE, 2012, 7, e45276.	2.5	26
38	Asymmetric Proteasome Segregation as a Mechanism for Unequal Partitioning of the Transcription Factor T-bet during T Lymphocyte Division. Immunity, 2011, 34, 492-504.	14.3	166
39	DOCK8 deficiency impairs CD8 T cell survival and function in humans and mice. Journal of Experimental Medicine, 2011, 208, 2305-2320.	8.5	175
40	Quantifying subcellular distribution of fluorescent fusion proteins in cells migrating within tissues. Immunology and Cell Biology, 2011, 89, 549-557.	2.3	19
41	The Reorientation of T-Cell Polarity and Inhibition of Immunological Synapse Formation by CD46 Involves Its Recruitment to Lipid Rafts. Journal of Lipids, 2011, 2011, 1-10.	4.8	16
42	T cell protein tyrosine phosphatase attenuates T cell signaling to maintain tolerance in mice. Journal of Clinical Investigation, 2011, 121, 4758-4774.	8.2	198
43	Super-resolution imaging and statistical analysis of CdSe/CdS Core/Shell semiconductor nanocrystals. Journal of Biophotonics, 2010, 3, 437-445.	2.3	6
44	Asymmetric Cell Division of T Cells upon Antigen Presentation Uses Multiple Conserved Mechanisms. Journal of Immunology, 2010, 185, 367-375.	0.8	117
45	Second harmonic generation imaging via nonlinear endomicroscopy. Optics Express, 2010, 18, 1255.	3.4	57
46	Imaging of goblet cells as a marker for intestinal metaplasia of the stomach by one-photon and two-photon fluorescence endomicroscopy. Journal of Biomedical Optics, 2009, 14, 064031.	2.6	35
47	A method for prolonged imaging of motile lymphocytes. Immunology and Cell Biology, 2009, 87, 154-158.	2.3	42
48	Determination of T cell fate by dendritic cells: a new role for asymmetric cell division?. Immunology and Cell Biology, 2008, 86, 423-427.	2.3	12
49	Upsides and downsides to polarity and asymmetric cell division in leukemia. Oncogene, 2008, 27, 7003-7017.	5.9	30
50	How polarity shapes the destiny of T cells. Journal of Cell Science, 2008, 121, 131-136.	2.0	31
51	A mechanism for the regulation of immune cell signalling by the complement receptor, CD46. Molecular Immunology, 2007, 44, 223-224.	2.2	0
52	Combining optical tweezing and confocal microscopy for the study of cell mechanics. , 2007, , .		0
53	Asymmetric T Lymphocyte Division in the Initiation of Adaptive Immune Responses. Science, 2007, 315, 1687-1691.	12.6	777
54	The tumour-suppressor Scribble dictates cell polarity during directed epithelial migration: regulation of Rho GTPase recruitment to the leading edge. Oncogene, 2007, 26, 2272-2282.	5.9	164

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55	Compartmentalization in T cell signalling: Membrane microdomains and polarity orchestrate signalling and morphology. <i>Immunology and Cell Biology</i> , 2006, 84, 107-113.	2.3	13
56	The Scribble and Par complexes in polarity and migration: friends or foes?. <i>Trends in Cell Biology</i> , 2006, 16, 622-630.	7.9	137
57	Ligation of the cell surface receptor, CD46, alters T cell polarity and response to antigen presentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18685-18690.	7.1	47
58	A Network of PDZ-Containing Proteins Regulates T Cell Polarity and Morphology during Migration and Immunological Synapse Formation. <i>Immunity</i> , 2005, 22, 737-748.	14.3	237
59	CD46: A complement regulator and pathogen receptor that mediates links between innate and acquired immune function. <i>Tissue Antigens</i> , 2004, 64, 111-118.	1.0	57
60	Dlg, Scribble and Lgl in cell polarity, cell proliferation and cancer. <i>BioEssays</i> , 2003, 25, 542-553.	2.5	272
61	hScrib is a functional homologue of the Drosophila tumour suppressor Scribble. <i>Oncogene</i> , 2003, 22, 9225-9230.	5.9	104
62	Ligand Binding Determines Whether CD46 Is Internalized by Clathrin-coated Pits or Macropinocytosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 46927-46937.	3.4	70
63	Spectra and lifetimes of fluorescence resonance energy transfer fluorophores under two-photon excitation. <i>Scanning</i> , 2003, 25, 116-120.	1.5	1
64	A Functional Interaction between CD46 and DLG4. <i>Journal of Biological Chemistry</i> , 2002, 277, 4477-4484.	3.4	55
65	The Cytoplasmic Tail of $\beta$ 1,3-Galactosyltransferase Inhibits Golgi Localization of the Full-length Enzyme. <i>Journal of Biological Chemistry</i> , 2002, 277, 10374-10378.	3.4	37
66	Postoperative serious adverse events in a teaching hospital: a prospective study. <i>Medical Journal of Australia</i> , 2002, 176, 216-218.	1.7	91
67	Three-dimensional localisation of fluorescence resonance energy transfer in living cells under two-photon excitation. <i>Scanning</i> , 2001, 23, 9-13.	1.5	11
68	Delineation of the Regions of Interleukin-2 (IL-2) Receptor $\beta$ Chain Important for Association of Jak1 and Jak3. <i>Journal of Biological Chemistry</i> , 1998, 273, 10719-10725.	3.4	62
69	Different interleukin 2 receptor beta-chain tyrosines couple to at least two signaling pathways and synergistically mediate interleukin 2-induced proliferation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 2077-2082.	7.1	184
70	Expression of interleukin-2 receptor $\beta$ on human monocytes: characterization of lineage specific post-translational modifications. <i>European Journal of Immunology</i> , 1995, 25, 291-294.	2.9	17
71	Retroviral Vector for Gene Therapy of X-Linked Severe Combined Immunodeficiency Syndrome. <i>Stem Cells and Development</i> , 1995, 4, 91-98.	1.0	11
72	Defective lymphoid development in mice lacking expression of the common cytokine receptor $\beta$ chain. <i>Immunity</i> , 1995, 2, 223-238.	14.3	993

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73	Heterodimerization of the IL-2 receptor $\hat{\iota}^2$ - and $\hat{\iota}^3$ -chain cytoplasmic domains is required for signalling. <i>Nature</i> , 1994, 369, 330-333.	27.8	320
74	The Molecular Basis of X-Linked Severe Combined Immunodeficiency: The Role of the Interleukin-2 Receptor gamma Chain as a Common gamma Chain, $\text{gammac}$ . <i>Immunological Reviews</i> , 1994, 138, 61-86.	6.0	190
75	The common $\hat{\iota}^3$ chain ( $\hat{\iota}^3c$ ) and its involvement in X-linked SCID. <i>Clinical Immunology Newsletter</i> , 1994, 14, 79-83.	0.1	0
76	Polymorphic expression of CD46 protein isoforms due to tissue-specific RNA splicing. <i>Molecular Immunology</i> , 1993, 30, 1231-1241.	2.2	95
77	Different membrane cofactor protein (CD46) isoforms protect transfected cells against antibody and complement mediated lysis. <i>Transplant Immunology</i> , 1993, 1, 101-108.	1.2	49
78	Human astrocytes express membrane cofactor protein (CD46), a regulator of complement activation. <i>Journal of Neuroimmunology</i> , 1992, 36, 199-208.	2.3	49
79	Tissue-specific and allelic expression of the complement regulator CD46 is controlled by alternative splicing. <i>European Journal of Immunology</i> , 1992, 22, 1513-1518.	2.9	129
80	Alternatively spliced RNAs encode several isoforms of CD46 (MCP), a regulator of complement activation. <i>Immunogenetics</i> , 1991, 33, 335-344.	2.4	78
81	Estrogen receptor positive luminal progenitors the cancer cell origin for Estrogen receptor positive breast cancer. <i>Oncology Abstracts</i> , 0, , .	0.0	0