Anneliese O Speak

List of Publications by Year
in descending order

41 papers	3,108 citations	279798 23 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	5954 citing authors

#	Article	IF	Citations
1	Defining the early stages of intestinal colonisation by whipworms. Nature Communications, 2022, 13, 1725.	12.8	18
2	CRISPR activation screen in mice identifies novel membrane proteins enhancing pulmonary metastatic colonisation. Communications Biology, 2021, 4, 395.	4.4	12
3	Membrane protein regulators of melanoma pulmonary colonization identified using a CRISPRa screen and spontaneous metastasis assay in mice. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	2
4	Combinatorial CRISPR screen identifies fitness effects of gene paralogues. Nature Communications, 2021, 12, 1302.	12.8	59
5	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. Nature Immunology, 2020, 21, 86-100.	14.5	32
6	Defective platelet function in <scp>Niemannâ€Pick</scp> disease type <scp>C1</scp>. JIMD Reports, 2020, 56, 46-57.	1.5	9
7	A Genome-Wide Screen in Mice To Identify Cell-Extrinsic Regulators of Pulmonary Metastatic Colonisation. G3: Genes, Genomes, Genetics, 2020, 10, 1869-1877.	1.8	3
8	FBXO7 sensitivity of phenotypic traits elucidated by a hypomorphic allele. PLoS ONE, 2019, 14, e0212481.	2.5	7
9	TLR9-mediated dendritic cell activation uncovers mammalian ganglioside species with specific ceramide backbones that activate invariant natural killer T cells. PLoS Biology, 2019, 17, e3000169.	5.6	24
10	Comparative genomics reveals that loss of lunatic fringe (LFNG) promotes melanoma metastasis. Molecular Oncology, 2018, 12, 239-255.	4.6	20
11	Interleukin-22 promotes phagolysosomal fusion to induce protection against Salmonella enterica Typhimurium in human epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10118-10123.	7.1	33
12	Pulmonary metastatic colonisation and granulomas in NOX2â€deficient mice. Journal of Pathology, 2018, 246, 300-310.	4.5	26
13	Genome-wide in vivo screen identifies novel host regulators of metastatic colonization. Nature, 2017, 541, 233-236.	27.8	194
14	A high-throughput in vivo screening method in the mouse for identifying regulators of metastatic colonization. Nature Protocols, 2017, 12, 2465-2477.	12.0	11
15	Genome wide in vivo mouse screen data from studies to assess host regulation of metastatic colonisation. Scientific Data, 2017, 4, 170129.	5.3	8
16	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
17	The AMP-activated protein kinase beta 1 subunit modulates erythrocyte integrity. Experimental Hematology, 2017, 45, 64-68.e5.	0.4	8
18	Alkaline ceramidase 1 is essential for mammalian skin homeostasis and regulating whole-body energy expenditure. Journal of Pathology, 2016, 239, 374-383.	4.5	32

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19	Infection Susceptibility in Gastric Intrinsic Factor (Vitamin B ₁₂)-Defective Mice Is Subject to Maternal Influences. MBio, 2016, 7, .	4.1	8
20	T cell fate and clonality inference from single-cell transcriptomes. Nature Methods, 2016, 13, 329-332.	19.0	411
21	Disruption of the potassium channel regulatory subunit KCNE2 causes iron-deficient anemia. Experimental Hematology, 2014, 42, 1053-1058.e1.	0.4	8
22	Complete humanization of the mouse immunoglobulin loci enables efficient therapeutic antibody discovery. Nature Biotechnology, 2014, 32, 356-363.	17.5	151
23	Altered distribution and function of natural killer cells in murine and human Niemann-Pick disease type C1. Blood, 2014, 123, 51-60.	1.4	38
24	Gray platelet syndrome: proinflammatory megakaryocytes and Î±-granule loss cause myelofibrosis and confer metastasis resistance in mice. Blood, 2014, 124, 3624-3635.	1.4	79
25	Relative acidic compartment volume as a lysosomal storage disorderâ€“associated biomarker. Journal of Clinical Investigation, 2014, 124, 1320-1328.	8.2	63
26	Impact of Temporal Variation on Design and Analysis of Mouse Knockout Phenotyping Studies. PLoS ONE, 2014, 9, e111239.	2.5	46
27	Programmed cell death ligand 2 regulates TH9 differentiation and induction of chronic airway hyperreactivity. Journal of Allergy and Clinical Immunology, 2013, 131, 1048-1057.e2.	2.9	85
28	Lack of PD-L1 Expression by iNKT Cells Improves the Course of Influenza A Infection. PLoS ONE, 2013, 8, e59599.	2.5	21
29	Globosides but Not Isoglobosides Can Impact the Development of Invariant NKT Cells and Their Interaction with Dendritic Cells. Journal of Immunology, 2012, 189, 3007-3017.	0.8	38
30	Invariant natural killer <scp>T</scp> cells are not affected by lysosomal storage in patients with <scp>N</scp>iemannâ€“<scp>P</scp>ick disease type <scp>C</scp>. European Journal of Immunology, 2012, 42, 1886-1892.	2.9	14
31	A sensitive and specific LC-MS/MS method for rapid diagnosis of Niemann-Pick C1 disease from human plasma. Journal of Lipid Research, 2011, 52, 1435-1445.	4.2	230
32	Diverse Endogenous Antigens for Mouse NKT Cells: Self-Antigens That Are Not Glycosphingolipids. Journal of Immunology, 2011, 186, 1348-1360.	0.8	54
33	Invariant NKT cells in adrenoleukodystrophy patients and mice. Journal of Neuroimmunology, 2010, 229, 204-211.	2.3	7
34	CD1d presentation of glycolipids. Immunology and Cell Biology, 2008, 86, 588-597.	2.3	21
35	Glycosphingolipid depletion in PC12 cells using iminosugars protects neuronal membranes from anti-ganglioside antibody mediated injury. Journal of Neuroimmunology, 2008, 203, 33-38.	2.3	3
36	Beneficial effects of substrate reduction therapy in a mouse model of GM1 gangliosidosis. Molecular Genetics and Metabolism, 2008, 94, 204-211.	1.1	75

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37	Invariant NKT cells reduce the immunosuppressive activity of influenza A virusâ€“induced myeloid-derived suppressor cells in mice and humans. Journal of Clinical Investigation, 2008, 118, 4036-4048.	8.2	299
38	Normal development and function of invariant natural killer T cells in mice with isoglobotrihexosylceramide (iGb3) deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5977-5982.	7.1	198
39	Modulation of human natural killer T cell ligands on TLR-mediated antigen-presenting cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20490-20495.	7.1	173
40	Implications for invariant natural killer T cell ligands due to the restricted presence of isoglobotrihexosylceramide in mammals. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5971-5976.	7.1	145
41	Activation of Invariant NKT Cells by Toll-like Receptor 9-Stimulated Dendritic Cells Requires Type I Interferon and Charged Glycosphingolipids. Immunity, 2007, 27, 597-609.	14.3	243