

Anneliese O Speak

List of Publications by Year in descending order

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Version: 2024-02-01

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	T cell fate and clonality inference from single-cell transcriptomes. <i>Nature Methods</i> , 2016, 13, 329-332.	19.0	411
2	Invariant NKT cells reduce the immunosuppressive activity of influenza A virus-induced myeloid-derived suppressor cells in mice and humans. <i>Journal of Clinical Investigation</i> , 2008, 118, 4036-4048.	8.2	299
3	Activation of Invariant NKT Cells by Toll-like Receptor 9-Stimulated Dendritic Cells Requires Type I Interferon and Charged Glycosphingolipids. <i>Immunity</i> , 2007, 27, 597-609.	14.3	243
4	A sensitive and specific LC-MS/MS method for rapid diagnosis of Niemann-Pick C1 disease from human plasma. <i>Journal of Lipid Research</i> , 2011, 52, 1435-1445.	4.2	230
5	Prevalence of sexual dimorphism in mammalian phenotypic traits. <i>Nature Communications</i> , 2017, 8, 15475.	12.8	200
6	Normal development and function of invariant natural killer T cells in mice with isoglobotrihexosylceramide (iGb3) deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5977-5982.	7.1	198
7	Genome-wide in vivo screen identifies novel host regulators of metastatic colonization. <i>Nature</i> , 2017, 541, 233-236.	27.8	194
8	Modulation of human natural killer T cell ligands on TLR-mediated antigen-presenting cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20490-20495.	7.1	173
9	Complete humanization of the mouse immunoglobulin loci enables efficient therapeutic antibody discovery. <i>Nature Biotechnology</i> , 2014, 32, 356-363.	17.5	151
10	Implications for invariant natural killer T cell ligands due to the restricted presence of isoglobotrihexosylceramide in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5971-5976.	7.1	145
11	Programmed cell death ligand 2 regulates TH9 differentiation and induction of chronic airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1048-1057.e2.	2.9	85
12	Gray platelet syndrome: proinflammatory megakaryocytes and β -granule loss cause myelofibrosis and confer metastasis resistance in mice. <i>Blood</i> , 2014, 124, 3624-3635.	1.4	79
13	Beneficial effects of substrate reduction therapy in a mouse model of GM1 gangliosidosis. <i>Molecular Genetics and Metabolism</i> , 2008, 94, 204-211.	1.1	75
14	Relative acidic compartment volume as a lysosomal storage disorder-associated biomarker. <i>Journal of Clinical Investigation</i> , 2014, 124, 1320-1328.	8.2	63
15	Combinatorial CRISPR screen identifies fitness effects of gene paralogues. <i>Nature Communications</i> , 2021, 12, 1302.	12.8	59
16	Diverse Endogenous Antigens for Mouse NKT Cells: Self-Antigens That Are Not Glycosphingolipids. <i>Journal of Immunology</i> , 2011, 186, 1348-1360.	0.8	54
17	Impact of Temporal Variation on Design and Analysis of Mouse Knockout Phenotyping Studies. <i>PLoS ONE</i> , 2014, 9, e111239.	2.5	46
18	Globosides but Not Isoglobosides Can Impact the Development of Invariant NKT Cells and Their Interaction with Dendritic Cells. <i>Journal of Immunology</i> , 2012, 189, 3007-3017.	0.8	38

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19	Altered distribution and function of natural killer cells in murine and human Niemann-Pick disease type C1. <i>Blood</i> , 2014, 123, 51-60.	1.4	38
20	Interleukin-22 promotes phagolysosomal fusion to induce protection against <i>Salmonella enterica</i> Typhimurium in human epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10118-10123.	7.1	33
21	Alkaline ceramidase 1 is essential for mammalian skin homeostasis and regulating whole-body energy expenditure. <i>Journal of Pathology</i> , 2016, 239, 374-383.	4.5	32
22	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. <i>Nature Immunology</i> , 2020, 21, 86-100.	14.5	32
23	Pulmonary metastatic colonisation and granulomas in NOX2-deficient mice. <i>Journal of Pathology</i> , 2018, 246, 300-310.	4.5	26
24	TLR9-mediated dendritic cell activation uncovers mammalian ganglioside species with specific ceramide backbones that activate invariant natural killer T cells. <i>PLoS Biology</i> , 2019, 17, e3000169.	5.6	24
25	CD1d presentation of glycolipids. <i>Immunology and Cell Biology</i> , 2008, 86, 588-597.	2.3	21
26	Lack of PD-L1 Expression by iNKT Cells Improves the Course of Influenza A Infection. <i>PLoS ONE</i> , 2013, 8, e59599.	2.5	21
27	Comparative genomics reveals that loss of lunatic fringe (<i>LFNG</i>) promotes melanoma metastasis. <i>Molecular Oncology</i> , 2018, 12, 239-255.	4.6	20
28	Defining the early stages of intestinal colonisation by whipworms. <i>Nature Communications</i> , 2022, 13, 1725.	12.8	18
29	Invariant natural killer T cells are not affected by lysosomal storage in patients with Niemann-Pick disease type C. <i>European Journal of Immunology</i> , 2012, 42, 1886-1892.	2.9	14
30	CRISPR activation screen in mice identifies novel membrane proteins enhancing pulmonary metastatic colonisation. <i>Communications Biology</i> , 2021, 4, 395.	4.4	12
31	A high-throughput in vivo screening method in the mouse for identifying regulators of metastatic colonization. <i>Nature Protocols</i> , 2017, 12, 2465-2477.	12.0	11
32	Defective platelet function in Niemann-Pick disease type C1. <i>JIMD Reports</i> , 2020, 56, 46-57.	1.5	9
33	Disruption of the potassium channel regulatory subunit KCNE2 causes iron-deficient anemia. <i>Experimental Hematology</i> , 2014, 42, 1053-1058.e1.	0.4	8
34	Infection Susceptibility in Gastric Intrinsic Factor (Vitamin B ₁₂)-Defective Mice Is Subject to Maternal Influences. <i>MBio</i> , 2016, 7, .	4.1	8
35	Genome wide in vivo mouse screen data from studies to assess host regulation of metastatic colonisation. <i>Scientific Data</i> , 2017, 4, 170129.	5.3	8
36	The AMP-activated protein kinase beta 1 subunit modulates erythrocyte integrity. <i>Experimental Hematology</i> , 2017, 45, 64-68.e5.	0.4	8

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37	Invariant NKT cells in adrenoleukodystrophy patients and mice. <i>Journal of Neuroimmunology</i> , 2010, 229, 204-211.	2.3	7
38	FBXO7 sensitivity of phenotypic traits elucidated by a hypomorphic allele. <i>PLoS ONE</i> , 2019, 14, e0212481.	2.5	7
39	Glycosphingolipid depletion in PC12 cells using iminosugars protects neuronal membranes from anti-ganglioside antibody mediated injury. <i>Journal of Neuroimmunology</i> , 2008, 203, 33-38.	2.3	3
40	A Genome-Wide Screen in Mice To Identify Cell-Extrinsic Regulators of Pulmonary Metastatic Colonisation. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1869-1877.	1.8	3
41	Membrane protein regulators of melanoma pulmonary colonization identified using a CRISPRa screen and spontaneous metastasis assay in mice. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	2