

Anna Katharina Simon

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

11,246
citations

117625

34
h-index

197818

49
g-index

55
all docs

55
docs citations

55
times ranked

21995
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy takes it all – autophagy inducers target immune aging. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	2.4	9
2	Heteroplasmy of Wild-Type Mitochondrial DNA Variants in Mice Causes Metabolic Heart Disease With Pulmonary Hypertension and Frailty. <i>Circulation</i> , 2022, 145, 1084-1101.	1.6	10
3	B cell –intrinsic TBK1 is essential for germinal center formation during infection and vaccination in mice. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	8
4	GIMAP6 regulates autophagy, immune competence, and inflammation in mice and humans. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	4
5	Regulating T-cell differentiation through the polyamine spermidine. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 335-348.e11.	2.9	94
6	Hallmarks and detection techniques of cellular senescence and cellular ageing in immune cells. <i>Aging Cell</i> , 2021, 20, e13316.	6.7	54
7	Asymmetric cell division shapes naive and virtual memory T-cell immunity during ageing. <i>Nature Communications</i> , 2021, 12, 2715.	12.8	19
8	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	7.8	615
9	Autophagy in healthy aging and disease. <i>Nature Aging</i> , 2021, 1, 634-650.	11.6	467
10	Polyamines reverse immune senescence via the translational control of autophagy. <i>Autophagy</i> , 2020, 16, 181-182.	9.1	26
11	Fine-tuning stemness. <i>Science</i> , 2020, 369, 373-374.	12.6	4
12	Autophagy in T cells from aged donors is maintained by spermidine and correlates with function and vaccine responses. <i>ELife</i> , 2020, 9, .	6.0	55
13	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	2.9	766
14	Polyamines Control eIF5A Hypusination, TFEB Translation, and Autophagy to Reverse B Cell Senescence. <i>Molecular Cell</i> , 2019, 76, 110-125.e9.	9.7	205
15	Autophagy in the renewal, differentiation and homeostasis of immune cells. <i>Nature Reviews Immunology</i> , 2019, 19, 170-183.	22.7	240
16	B1a B cells require autophagy for metabolic homeostasis and self-renewal. <i>Journal of Experimental Medicine</i> , 2018, 215, 399-413.	8.5	97
17	Autophagy dictates metabolism and differentiation of inflammatory immune cells. <i>Autophagy</i> , 2018, 14, 199-206.	9.1	80
18	Mitochondrial dysfunction and increased glycolysis in prodromal and early Parkinson's blood cells. <i>Movement Disorders</i> , 2018, 33, 1580-1590.	3.9	69

#	ARTICLE	IF	CITATIONS
19	A single nucleotide polymorphism in the Plasmodium falciparum atg18 gene associates with artemisinin resistance and confers enhanced parasite survival under nutrient deprivation. Malaria Journal, 2018, 17, 391.	2.3	30
20	Local exchange of metabolites shapes immunity. Immunology, 2018, 155, 309-319.	4.4	13
21	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	7.8	1,230
22	In aged primary T cells, mitochondrial stress contributes to telomere attrition measured by a novel imaging flow cytometry assay. Aging Cell, 2017, 16, 1234-1243.	6.7	43
23	Autophagy-Dependent Generation of Free Fatty Acids Is Critical for Normal Neutrophil Differentiation. Immunity, 2017, 47, 466-480.e5.	14.3	230
24	Insights into pancreatic \hat{I}^2 cell energy metabolism using rodent \hat{I}^2 cell models. Wellcome Open Research, 2017, 2, 14.	1.8	2
25	Insights into pancreatic \hat{I}^2 cell energy metabolism using rodent \hat{I}^2 cell models. Wellcome Open Research, 2017, 2, 14.	1.8	2
26	Autophagy and Immune Senescence. Trends in Molecular Medicine, 2016, 22, 671-686.	6.7	67
27	The autophagy gene Atg16l1 differentially regulates Treg and TH2 cells to control intestinal inflammation. ELife, 2016, 5, e12444.	6.0	153
28	Autophagy limits proliferation and glycolytic metabolism in acute myeloid leukemia. Cell Death Discovery, 2015, 1, .	4.7	125
29	Evolution of the immune system in humans from infancy to old age. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20143085.	2.6	1,054
30	Autophagy Controls Acquisition of Aging Features in Macrophages. Journal of Innate Immunity, 2015, 7, 375-391.	3.8	115
31	Autophagy is activated in systemic lupus erythematosus and required for plasmablast development. Annals of the Rheumatic Diseases, 2015, 74, 912-920.	0.9	203
32	Techniques for the Detection of Autophagy in Primary Mammalian Cells. Cold Spring Harbor Protocols, 2015, 2015, pdb.top070391.	0.3	7
33	Autophagy is a critical regulator of memory CD8+ T cell formation. ELife, 2014, 3, .	6.0	276
34	Dual Proteolytic Pathways Govern Glycolysis and Immune Competence. Cell, 2014, 159, 1578-1590.	28.9	54
35	Essential role for autophagy during invariant NKT cell development. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5678-87.	7.1	95
36	Caspase-1 Cleavage of the TLR Adaptor TRIF Inhibits Autophagy and \hat{I}^2 -Interferon Production during Pseudomonas aeruginosa Infection. Cell Host and Microbe, 2014, 15, 214-227.	11.0	84

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37	Autophagy in the immune system. <i>Immunology</i> , 2014, 141, 1-8.	4.4	129
38	Autophagy in stem cells. <i>Autophagy</i> , 2013, 9, 830-849.	9.1	255
39	Tightrope act: autophagy in stem cell renewal, differentiation, proliferation, and aging. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 89-103.	5.4	108
40	A novel method for autophagy detection in primary cells. <i>Autophagy</i> , 2012, 8, 677-689.	9.1	141
41	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
42	The Immune Response to Melanoma Is Limited by Thymic Selection of Self-Antigens. <i>PLoS ONE</i> , 2012, 7, e35005.	2.5	45
43	Lack of autophagy in the hematopoietic system leads to loss of hematopoietic stem cell function and dysregulated myeloid proliferation. <i>Autophagy</i> , 2011, 7, 1069-1070.	9.1	105
44	The autophagy protein Atg7 is essential for hematopoietic stem cell maintenance. <i>Journal of Experimental Medicine</i> , 2011, 208, 455-467.	8.5	539
45	Autophagy in the pathogenesis of myelodysplastic syndrome and acute myeloid leukemia. <i>Cell Cycle</i> , 2011, 10, 1719-1725.	2.6	75
46	Nonredundant role of Atg7 in mitochondrial clearance during erythroid development. <i>Autophagy</i> , 2010, 6, 423-425.	9.1	35
47	Mitochondrial clearance by autophagy in developing erythrocytes: Clearly important, but just how much so?. <i>Cell Cycle</i> , 2010, 9, 1901-1906.	2.6	50
48	The Influence of CD25+ Cells on the Generation of Immunity to Tumour Cell Lines in Mice. <i>Novartis Foundation Symposium</i> , 2008, , 149-157.	1.1	11
49	Regulatory T cells inhibit Fas ligand-induced innate and adaptive tumour immunity. <i>European Journal of Immunology</i> , 2007, 37, 758-767.	2.9	25