

# 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	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	7.8	1,230
3	Evolution of the immune system in humans from infancy to old age. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20143085.	2.6	1,054
4	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
5	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	7.8	615
6	The autophagy protein Atg7 is essential for hematopoietic stem cell maintenance. <i>Journal of Experimental Medicine</i> , 2011, 208, 455-467.	8.5	539
7	Autophagy in healthy aging and disease. <i>Nature Aging</i> , 2021, 1, 634-650.	11.6	467
8	Autophagy is a critical regulator of memory CD8+ T cell formation. <i>ELife</i> , 2014, 3, .	6.0	276
9	Autophagy in stem cells. <i>Autophagy</i> , 2013, 9, 830-849.	9.1	255
10	Autophagy in the renewal, differentiation and homeostasis of immune cells. <i>Nature Reviews Immunology</i> , 2019, 19, 170-183.	22.7	240
11	Autophagy-Dependent Generation of Free Fatty Acids Is Critical for Normal Neutrophil Differentiation. <i>Immunity</i> , 2017, 47, 466-480.e5.	14.3	230
12	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
13	Autophagy is activated in systemic lupus erythematosus and required for plasmablast development. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 912-920.	0.9	203
14	The autophagy gene Atg16l1 differentially regulates Treg and TH2 cells to control intestinal inflammation. <i>ELife</i> , 2016, 5, e12444.	6.0	153
15	A novel method for autophagy detection in primary cells. <i>Autophagy</i> , 2012, 8, 677-689.	9.1	141
16	Autophagy in the immune system. <i>Immunology</i> , 2014, 141, 1-8.	4.4	129
17	Autophagy limits proliferation and glycolytic metabolism in acute myeloid leukemia. <i>Cell Death Discovery</i> , 2015, 1, .	4.7	125
18	Autophagy Controls Acquisition of Aging Features in Macrophages. <i>Journal of Innate Immunity</i> , 2015, 7, 375-391.	3.8	115

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	B1a B cells require autophagy for metabolic homeostasis and self-renewal. <i>Journal of Experimental Medicine</i> , 2018, 215, 399-413.	8.5	97
22	Essential role for autophagy during invariant NKT cell development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5678-87.	7.1	95
23	Regulating T-cell differentiation through the polyamine spermidine. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 335-348.e11.	2.9	94
24	Caspase-1 Cleavage of the TLR Adaptor TRIF Inhibits Autophagy and Î²-Interferon Production during <i>Pseudomonas aeruginosa</i> Infection. <i>Cell Host and Microbe</i> , 2014, 15, 214-227.	11.0	84
25	Autophagy dictates metabolism and differentiation of inflammatory immune cells. <i>Autophagy</i> , 2018, 14, 199-206.	9.1	80
26	Autophagy in the pathogenesis of myelodysplastic syndrome and acute myeloid leukemia. <i>Cell Cycle</i> , 2011, 10, 1719-1725.	2.6	75
27	Mitochondrial dysfunction and increased glycolysis in prodromal and early Parkinson's blood cells. <i>Movement Disorders</i> , 2018, 33, 1580-1590.	3.9	69
28	Autophagy and Immune Senescence. <i>Trends in Molecular Medicine</i> , 2016, 22, 671-686.	6.7	67
29	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
30	Dual Proteolytic Pathways Govern Glycolysis and Immune Competence. <i>Cell</i> , 2014, 159, 1578-1590.	28.9	54
31	Hallmarks and detection techniques of cellular senescence and cellular ageing in immune cells. <i>Aging Cell</i> , 2021, 20, e13316.	6.7	54
32	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
33	The Immune Response to Melanoma Is Limited by Thymic Selection of Self-Antigens. <i>PLoS ONE</i> , 2012, 7, e35005.	2.5	45
34	In aged primary T cells, mitochondrial stress contributes to telomere attrition measured by a novel imaging flow cytometry assay. <i>Aging Cell</i> , 2017, 16, 1234-1243.	6.7	43
35	Nonredundant role of Atg7 in mitochondrial clearance during erythroid development. <i>Autophagy</i> , 2010, 6, 423-425.	9.1	35
36	A single nucleotide polymorphism in the <i>Plasmodium falciparum</i> atg18 gene associates with artemisinin resistance and confers enhanced parasite survival under nutrient deprivation. <i>Malaria Journal</i> , 2018, 17, 391.	2.3	30

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37	Polyamines reverse immune senescence via the translational control of autophagy. <i>Autophagy</i> , 2020, 16, 181-182.	9.1	26
38	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
39	Asymmetric cell division shapes naive and virtual memory T-cell immunity during ageing. <i>Nature Communications</i> , 2021, 12, 2715.	12.8	19
40	Local exchange of metabolites shapes immunity. <i>Immunology</i> , 2018, 155, 309-319.	4.4	13
41	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
42	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
43	Autophagy takes it all – autophagy inducers target immune aging. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	2.4	9
44	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
45	Techniques for the Detection of Autophagy in Primary Mammalian Cells. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.top070391.	0.3	7
46	Fine-tuning stemness. <i>Science</i> , 2020, 369, 373-374.	12.6	4
47	GIMAP6 regulates autophagy, immune competence, and inflammation in mice and humans. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	4
48	Insights into pancreatic $\beta$ cell energy metabolism using rodent $\beta$ cell models. <i>Wellcome Open Research</i> , 2017, 2, 14.	1.8	2
49	Insights into pancreatic $\beta$ cell energy metabolism using rodent $\beta$ cell models. <i>Wellcome Open Research</i> , 2017, 2, 14.	1.8	2