

Geert van Loo

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6428133/geert-van-loo-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

14,336
citations

55
h-index

119
g-index

132
ext. papers

16,687
ext. citations

13.5
avg, IF

6.36
L-index

#	Paper	IF	Citations
121	Nlrp3 inflammasome activation in macrophages suffices for inducing autoinflammation in mice.. <i>EMBO Reports</i> , 2022 , e54339	6.5	0
120	NF- κ B-inducing kinase (NIK) is activated in pancreatic β cells but does not contribute to the development of diabetes.. <i>Cell Death and Disease</i> , 2022 , 13, 476	9.8	0
119	IL1 β Promotes Immune Suppression in the Tumor Microenvironment Independent of the Inflammasome and Gasdermin D. <i>Cancer Immunology Research</i> , 2021 , 9, 309-323	12.5	10
118	The hepatocyte IKK:NF- κ B axis promotes liver steatosis by stimulating de novo lipogenesis and cholesterol synthesis. <i>Molecular Metabolism</i> , 2021 , 54, 101349	8.8	6
117	OTULIN maintains skin homeostasis by controlling keratinocyte death and stem cell identity. <i>Nature Communications</i> , 2021 , 12, 5913	17.4	6
116	Fibrotic enzymes modulate wound-induced skin tumorigenesis. <i>EMBO Reports</i> , 2021 , 22, e51573	6.5	2
115	ZBTB32 performs crosstalk with the glucocorticoid receptor and is crucial in glucocorticoid responses to starvation. <i>iScience</i> , 2021 , 24, 102790	6.1	0
114	Ileal immune tonus is a prognosis marker of proximal colon cancer in mice and patients. <i>Cell Death and Differentiation</i> , 2021 , 28, 1532-1547	12.7	2
113	Central Role of Dendritic Cells in Pulmonary Arterial Hypertension in Human and Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
112	OTULIN in NF- κ B signaling, cell death, and disease. <i>Trends in Immunology</i> , 2021 , 42, 590-603	14.4	10
111	Microbes exploit death-induced nutrient release by gut epithelial cells. <i>Nature</i> , 2021 , 596, 262-267	50.4	7
110	A20 deficiency in myeloid cells protects mice from diet-induced obesity and insulin resistance due to increased fatty acid metabolism. <i>Cell Reports</i> , 2021 , 36, 109748	10.6	1
109	Tnfaip3 expression in pulmonary conventional type 1 Langerin-expressing dendritic cells regulates T helper 2-mediated airway inflammation in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 2587-2598	9.3	3
108	Zeb2 drives invasive and microbiota-dependent colon carcinoma.. <i>Nature Cancer</i> , 2020 , 1, 620-634	15.4	14
107	Two distinct ubiquitin-binding motifs in A20 mediate its anti-inflammatory and cell-protective activities. <i>Nature Immunology</i> , 2020 , 21, 381-387	19.1	28
106	OTULIN Prevents Liver Inflammation and Hepatocellular Carcinoma by Inhibiting FADD- and RIPK1 Kinase-Mediated Hepatocyte Apoptosis. <i>Cell Reports</i> , 2020 , 30, 2237-2247.e6	10.6	17
105	A20 and Cell Death-driven Inflammation. <i>Trends in Immunology</i> , 2020 , 41, 421-435	14.4	29

104	DNGR1-Cre-mediated Deletion of A20 in Conventional Dendritic Cells Induces Pulmonary Hypertension in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020 , 63, 665-680	5.7	3
103	A20 at the Crossroads of Cell Death, Inflammation, and Autoimmunity. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020 , 12,	10.2	33
102	A20 protects cells from TNF-induced apoptosis through linear ubiquitin-dependent and -independent mechanisms. <i>Cell Death and Disease</i> , 2019 , 10, 692	9.8	31
101	The anti-inflammatory protein TNFAIP3/A20 binds the WD40 domain of ATG16L1 to control the autophagic response, NFKB/NF- κ B activation and intestinal homeostasis. <i>Autophagy</i> , 2019 , 15, 1657-1659	10.2	8
100	A20 prevents inflammasome-dependent arthritis by inhibiting macrophage necroptosis through its ZnF7 ubiquitin-binding domain. <i>Nature Cell Biology</i> , 2019 , 21, 731-742	23.4	67
99	Physical and functional interaction between A20 and ATG16L1-WD40 domain in the control of intestinal homeostasis. <i>Nature Communications</i> , 2019 , 10, 1834	17.4	26
98	Nlrp3 inflammasome activation and Gasdermin D-driven pyroptosis are immunopathogenic upon gastrointestinal norovirus infection. <i>PLoS Pathogens</i> , 2019 , 15, e1007709	7.6	46
97	Inflammasomes in neuroinflammatory and neurodegenerative diseases. <i>EMBO Molecular Medicine</i> , 2019 , 11,	12	230
96	DNGR1-mediated deletion of A20/Tnfaip3 in dendritic cells alters T and B-cell homeostasis and promotes autoimmune liver pathology. <i>Journal of Autoimmunity</i> , 2019 , 102, 167-178	15.5	9
95	The ubiquitin-editing enzyme A20 controls NK cell homeostasis through regulation of mTOR activity and TNF. <i>Journal of Experimental Medicine</i> , 2019 , 216, 2010-2023	16.6	11
94	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution. <i>Nature</i> , 2019 , 566, 388-392	50.4	442
93	El Tor Biotype Activates the Caspase-11-Independent Canonical Nlrp3 and Pypin Inflammasomes. <i>Frontiers in Immunology</i> , 2019 , 10, 2463	8.4	6
92	Epithelial HMGB1 Delays Skin Wound Healing and Drives Tumor Initiation by Priming Neutrophils for NET Formation. <i>Cell Reports</i> , 2019 , 29, 2689-2701.e4	10.6	16
91	A20 phosphorylation controls A20 function. <i>Nature Immunology</i> , 2019 , 20, 1261-1262	19.1	1
90	Microglia in Central Nervous System Inflammation and Multiple Sclerosis Pathology. <i>Trends in Molecular Medicine</i> , 2019 , 25, 112-123	11.5	149
89	Nucleic Acid Induced Interferon and Inflammasome Responses in Regulating Host Defense to Gastrointestinal Viruses. <i>International Review of Cell and Molecular Biology</i> , 2019 , 345, 137-171	6	2
88	Keratinocyte Expression of A20/TNFAIP3 Controls Skin Inflammation Associated with Atopic Dermatitis and Psoriasis. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 135-145	4.3	25
87	Attenuation of cGAS-STING signaling is mediated by a p62/SQSTM1-dependent autophagy pathway activated by TBK1. <i>EMBO Journal</i> , 2018 , 37,	13	152

86	Adipose tissue macrophages and their polarization in health and obesity. <i>Cellular Immunology</i> , 2018 , 330, 114-119	4.4	48
85	TNF- β -induced protein 3 levels in lung dendritic cells instruct T2 or T17 cell differentiation in eosinophilic or neutrophilic asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 1620-1633.e12	11.5	30
84	neurin Functions for mal Immunity. <i>Frontiers in Immunology</i> , 2018 , 9, 769	8.4	12
83	Identification of Immune-Responsive Gene 1 (IRG1) as a Target of A20. <i>Journal of Proteome Research</i> , 2018 , 17, 2182-2191	5.6	13
82	BACE2 distribution in major brain cell types and identification of novel substrates. <i>Life Science Alliance</i> , 2018 , 1, e201800026	5.8	27
81	House dust mite-driven neutrophilic airway inflammation in mice with TNFAIP3-deficient myeloid cells is IL-17-independent. <i>Clinical and Experimental Allergy</i> , 2018 , 48, 1705-1714	4.1	4
80	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. <i>Nature Communications</i> , 2018 , 9, 2036	17.4	92
79	Inflammation and the Metabolic Syndrome: The Tissue-Specific Functions of NF- κ B. <i>Trends in Cell Biology</i> , 2017 , 27, 417-429	18.3	152
78	A20 inhibition of STAT1 expression in myeloid cells: a novel endogenous regulatory mechanism preventing development of enthesitis. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 585-592	2.4	48
77	A20 Restrains Thymic Regulatory T Cell Development. <i>Journal of Immunology</i> , 2017 , 199, 2356-2365	5.3	22
76	A20 deletion in T cells modulates acute graft-versus-host disease in mice. <i>European Journal of Immunology</i> , 2017 , 47, 1982-1988	6.1	6
75	A20 promotes metastasis of aggressive basal-like breast cancers through multi-monoubiquitylation of Snail1. <i>Nature Cell Biology</i> , 2017 , 19, 1260-1273	23.4	72
74	Absence of system x on immune cells invading the central nervous system alleviates experimental autoimmune encephalitis. <i>Journal of Neuroinflammation</i> , 2017 , 14, 9	10.1	13
73	TLR-independent anti-inflammatory function of intestinal epithelial TRAF6 signalling prevents DSS-induced colitis in mice. <i>Gut</i> , 2016 , 65, 935-43	19.2	50
72	NKT sublineage specification and survival requires the ubiquitin-modifying enzyme TNFAIP3/A20. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1973-81	16.6	25
71	Optineurin deficiency in mice is associated with increased sensitivity to Salmonella but does not affect proinflammatory NF- κ B signaling. <i>European Journal of Immunology</i> , 2016 , 46, 971-80	6.1	47
70	The Prosurvival IKK-Related Kinase IKK β Integrates LPS and IL17A Signaling Cascades to Promote Wnt-Dependent Tumor Development in the Intestine. <i>Cancer Research</i> , 2016 , 76, 2587-99	10.1	16
69	A20 Inhibits β Cell Apoptosis by Multiple Mechanisms and Predicts Residual β Cell Function in Type 1 Diabetes. <i>Molecular Endocrinology</i> , 2016 , 30, 48-61		25

68	A20 Deficiency in Lung Epithelial Cells Protects against Influenza A Virus Infection. <i>PLoS Pathogens</i> , 2016 , 12, e1005410	7.6	38
67	Cellular Functions of Optineurin in Health and Disease. <i>Trends in Immunology</i> , 2016 , 37, 621-633	14.4	53
66	Farm dust and endotoxin protect against allergy through A20 induction in lung epithelial cells. <i>Science</i> , 2015 , 349, 1106-10	33.3	374
65	Regulation of macrophage motility by the water channel aquaporin-1: crucial role of M0/M2 phenotype switch. <i>PLoS ONE</i> , 2015 , 10, e0117398	3.7	19
64	MicroRNA let-7 modulates the immune response to Mycobacterium tuberculosis infection via control of A20, an inhibitor of the NF- κ B pathway. <i>Cell Host and Microbe</i> , 2015 , 17, 345-356	23.4	170
63	Leptin β metabolic and immune functions can be uncoupled at the ligand/receptor interaction level. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 629-644	10.3	11
62	A20 in inflammation and autoimmunity. <i>Trends in Immunology</i> , 2014 , 35, 22-31	14.4	296
61	A20: attractive without showing cleavage. <i>EMBO Reports</i> , 2014 , 15, 734-5	6.5	11
60	RIPK1 ensures intestinal homeostasis by protecting the epithelium against apoptosis. <i>Nature</i> , 2014 , 513, 95-9	50.4	224
59	The tumor necrosis factor alpha-induced protein 3 (TNFAIP3, A20) imposes a brake on antitumor activity of CD8 T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11115-20	11.5	57
58	A20 controls intestinal homeostasis through cell-specific activities. <i>Nature Communications</i> , 2014 , 5, 5103	7.4	78
57	Negative regulation of the NLRP3 inflammasome by A20 protects against arthritis. <i>Nature</i> , 2014 , 512, 69-73	50.4	317
56	A20-deficient mast cells exacerbate inflammatory responses in vivo. <i>PLoS Biology</i> , 2014 , 12, e1001762	9.7	54
55	Pharmacological inhibition of MALT1 protease activity protects mice in a mouse model of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2014 , 11, 124	10.1	55
54	Nuclear factor kappa B (NF- κ B) in multiple sclerosis pathology. <i>Trends in Molecular Medicine</i> , 2013 , 19, 604-13	11.5	94
53	Paracaspase MALT1 deficiency protects mice from autoimmune-mediated demyelination. <i>Journal of Immunology</i> , 2013 , 190, 2896-903	5.3	53
52	CCR2 recruits an inflammatory macrophage subpopulation critical for angiogenesis in tissue repair. <i>Blood</i> , 2012 , 120, 613-25	2.2	306
51	Conditional targeting of tumor necrosis factor receptor-associated factor 6 reveals opposing functions of Toll-like receptor signaling in endothelial and myeloid cells in a mouse model of atherosclerosis. <i>Circulation</i> , 2012 , 126, 1739-51	16.7	37

50	Endothelial CCR2 signaling induced by colon carcinoma cells enables extravasation via the JAK2-Stat5 and p38MAPK pathway. <i>Cancer Cell</i> , 2012 , 22, 91-105	24.3	213
49	A20 (Tnfaip3) deficiency in myeloid cells protects against influenza A virus infection. <i>PLoS Pathogens</i> , 2012 , 8, e1002570	7.6	60
48	A20 and CYLD do not share significant overlapping functions during B cell development and activation. <i>Journal of Immunology</i> , 2012 , 189, 4437-43	5.3	21
47	Genetic relationships between A20/TNFAIP3, chronic inflammation and autoimmune disease. <i>Biochemical Society Transactions</i> , 2011 , 39, 1086-91	5.1	79
46	A20 (TNFAIP3) deficiency in myeloid cells triggers erosive polyarthritis resembling rheumatoid arthritis. <i>Nature Genetics</i> , 2011 , 43, 908-12	36.3	216
45	The adaptor protein FADD protects epidermal keratinocytes from necroptosis in vivo and prevents skin inflammation. <i>Immunity</i> , 2011 , 35, 572-82	32.3	227
44	Enterocyte death and intestinal barrier maintenance in homeostasis and disease. <i>Trends in Molecular Medicine</i> , 2011 , 17, 584-93	11.5	91
43	Death receptor signalling in central nervous system inflammation and demyelination. <i>Trends in Neurosciences</i> , 2011 , 34, 619-28	13.3	42
42	B cells lacking the tumor suppressor TNFAIP3/A20 display impaired differentiation and hyperactivation and cause inflammation and autoimmunity in aged mice. <i>Blood</i> , 2011 , 117, 2227-36	2.2	146
41	FADD prevents RIP3-mediated epithelial cell necrosis and chronic intestinal inflammation. <i>Nature</i> , 2011 , 477, 330-4	50.4	448
40	The ubiquitin-editing protein A20 prevents dendritic cell activation, recognition of apoptotic cells, and systemic autoimmunity. <i>Immunity</i> , 2011 , 35, 82-96	32.3	197
39	Negative regulation of NF- κ B and its involvement in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2011 , 13, 221	5.7	52
38	I κ B kinase 2 determines oligodendrocyte loss by non-cell-autonomous activation of NF- κ B in the central nervous system. <i>Brain</i> , 2011 , 134, 1184-98	11.2	82
37	Enterocyte-specific A20 deficiency sensitizes to tumor necrosis factor-induced toxicity and experimental colitis. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1513-23	16.6	228
36	Oligodendrocyte-specific FADD deletion protects mice from autoimmune-mediated demyelination. <i>Journal of Immunology</i> , 2010 , 185, 7646-53	5.3	46
35	Antiinflammatory properties of a plant-derived nonsteroidal, dissociated glucocorticoid receptor modulator in experimental autoimmune encephalomyelitis. <i>Molecular Endocrinology</i> , 2010 , 24, 310-22		52
34	Expression, biological activities and mechanisms of action of A20 (TNFAIP3). <i>Biochemical Pharmacology</i> , 2010 , 80, 2009-20	6	138
33	Enterocyte-specific A20 deficiency sensitizes to tumor necrosis factor-induced toxicity and experimental colitis. <i>Journal of Cell Biology</i> , 2010 , 189, i15-i15	7.3	

32	Development of immunoglobulin lambda-chain-positive B cells, but not editing of immunoglobulin kappa-chain, depends on NF-kappaB signals. <i>Nature Immunology</i> , 2009 , 10, 647-54	19.1	63
31	The ubiquitin-editing enzyme A20 (TNFAIP3) is a central regulator of immunopathology. <i>Trends in Immunology</i> , 2009 , 30, 383-91	14.4	365
30	Identification of oxidative stress and Toll-like receptor 4 signaling as a key pathway of acute lung injury. <i>Cell</i> , 2008 , 133, 235-49	56.2	965
29	Epithelial NEMO links innate immunity to chronic intestinal inflammation. <i>Nature</i> , 2007 , 446, 557-61	50.4	842
28	Deletion of NEMO/IKKgamma in liver parenchymal cells causes steatohepatitis and hepatocellular carcinoma. <i>Cancer Cell</i> , 2007 , 11, 119-32	24.3	505
27	A Novel TRAF6 binding site in MALT1 defines distinct mechanisms of NF-kappaB activation by API2middle dotMALT1 fusions. <i>Journal of Biological Chemistry</i> , 2007 , 282, 10180-9	5.4	66
26	Hepatic tumor necrosis factor signaling and nuclear factor-kappaB: effects on liver homeostasis and beyond. <i>Endocrine Reviews</i> , 2007 , 28, 365-86	27.2	186
25	Inhibition of transcription factor NF-kappaB in the central nervous system ameliorates autoimmune encephalomyelitis in mice. <i>Nature Immunology</i> , 2006 , 7, 954-61	19.1	167
24	Apoptosis of hematopoietic cells induced by growth factor withdrawal is associated with caspase-9 mediated cleavage of Raf-1. <i>Oncogene</i> , 2005 , 24, 1552-62	9.2	20
23	Induction of apoptosis by TNF receptor 2 in a T-cell hybridoma is FADD dependent and blocked by caspase-8 inhibitors. <i>Journal of Cell Science</i> , 2005 , 118, 497-504	5.3	45
22	Bcl-2 family members as sentinels of cellular integrity and role of mitochondrial intermembrane space proteins in apoptotic cell death. <i>Acta Haematologica</i> , 2004 , 111, 7-27	2.7	87
21	Differential signaling to apoptotic and necrotic cell death by Fas-associated death domain protein FADD. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7925-33	5.4	91
20	Toxic proteins released from mitochondria in cell death. <i>Oncogene</i> , 2004 , 23, 2861-74	9.2	700
19	Disruption of HSP90 function reverts tumor necrosis factor-induced necrosis to apoptosis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 5622-9	5.4	127
18	Mitochondrial intermembrane proteins in cell death. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 304, 487-97	3.4	319
17	A Bcl-2 transgene expressed in hepatocytes does not protect mice from fulminant liver destruction induced by Fas ligand. <i>Cytokine</i> , 2003 , 22, 62-70	4	8
16	A matrix-assisted laser desorption ionization post-source decay (MALDI-PSD) analysis of proteins released from isolated liver mitochondria treated with recombinant truncated Bid. <i>Cell Death and Differentiation</i> , 2002 , 9, 301-8	12.7	76
15	The serine protease Omi/HtrA2 is released from mitochondria during apoptosis. Omi interacts with caspase-inhibitor XIAP and induces enhanced caspase activity. <i>Cell Death and Differentiation</i> , 2002 , 9, 20-6	12.7	270

14	Tipping the balance between necrosis and apoptosis in human and murine cells treated with interferon and dsRNA. <i>Cell Death and Differentiation</i> , 2002 , 9, 981-94	12.7	117
13	The role of mitochondrial factors in apoptosis: a Russian roulette with more than one bullet. <i>Cell Death and Differentiation</i> , 2002 , 9, 1031-42	12.7	498
12	Caspases are not localized in mitochondria during life or death. <i>Cell Death and Differentiation</i> , 2002 , 9, 1207-11	12.7	58
11	Signaling to gene activation and cell death by tumor necrosis factor receptors and Fas. <i>International Review of Cytology</i> , 2002 , 214, 225-72		38
10	Death receptor-induced apoptotic and necrotic cell death: differential role of caspases and mitochondria. <i>Cell Death and Differentiation</i> , 2001 , 8, 829-40	12.7	180
9	Endonuclease G: a mitochondrial protein released in apoptosis and involved in caspase-independent DNA degradation. <i>Cell Death and Differentiation</i> , 2001 , 8, 1136-42	12.7	260
8	Lithium sensitizes tumor cells in an NF-kappa B-independent way to caspase activation and apoptosis induced by tumor necrosis factor (TNF). Evidence for a role of the TNF receptor-associated death domain protein. <i>Journal of Biological Chemistry</i> , 2001 , 276, 25939-45	5.4	32
7	Structure/Function analysis of p55 tumor necrosis factor receptor and fas-associated death domain. Effect on necrosis in L929sA cells. <i>Journal of Biological Chemistry</i> , 2000 , 275, 37596-603	5.4	29
6	Phosphatidyl serine exposure during apoptosis precedes release of cytochrome c and decrease in mitochondrial transmembrane potential. <i>FEBS Letters</i> , 2000 , 465, 47-52	3.8	76
5	Identification of a new caspase homologue: caspase-14. <i>Cell Death and Differentiation</i> , 1998 , 5, 838-46	12.7	369
4	Cathepsin B-mediated activation of the proinflammatory caspase-11. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 251, 379-87	3.4	128
3	Molecular cloning and identification of murine caspase-8. <i>Journal of Molecular Biology</i> , 1998 , 284, 1017-265		33
2	Inhibition of caspases increases the sensitivity of L929 cells to necrosis mediated by tumor necrosis factor. <i>Journal of Experimental Medicine</i> , 1998 , 187, 1477-85	16.6	746
1	Characterization of seven murine caspase family members. <i>FEBS Letters</i> , 1997 , 403, 61-9	3.8	164