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List of Publications by Year
in descending order

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44 papers	3,881 citations	172457 29 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	4444 citing authors

#	Article	IF	Citations
1	The Pseudokinase MLKL Mediates Necroptosis via a Molecular Switch Mechanism. Immunity, 2013, 39, 443-453.	14.3	958
2	Activation of the pseudokinase MLKL unleashes the four-helix bundle domain to induce membrane localization and necroptotic cell death. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15072-15077.	7.1	484
3	MLKL trafficking and accumulation at the plasma membrane control the kinetics and threshold for necroptosis. Nature Communications, 2020, 11, 3151.	12.8	194
4	Conformational switching of the pseudokinase domain promotes human MLKL tetramerization and cell death by necroptosis. Nature Communications, 2018, 9, 2422.	12.8	154
5	EspL is a bacterial cysteine protease effector that cleaves RHIM proteins to block necroptosis and inflammation. Nature Microbiology, 2017, 2, 16258.	13.3	141
6	HSP90 activity is required for MLKL oligomerisation and membrane translocation and the induction of necroptotic cell death. Cell Death and Disease, 2016, 7, e2051-e2051.	6.3	123
7	Convergent Evolution of Receptors for Protein Import into Mitochondria. Current Biology, 2006, 16, 221-229.	3.9	118
8	A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. Nature Communications, 2015, 6, 6442.	12.8	112
9	Roles of tumor necrosis factor receptor associated factor 3 (TRAF3) and TRAF5 in immune cell functions. Immunological Reviews, 2011, 244, 55-74.	6.0	102
10	A BAFF-R mutation associated with non-Hodgkin lymphoma alters TRAF recruitment and reveals new insights into BAFF-R signaling. Journal of Experimental Medicine, 2010, 207, 2569-2579.	8.5	96
11	Evolutionary divergence of the necroptosis effector MLKL. Cell Death and Differentiation, 2016, 23, 1185-1197.	11.2	93
12	Insights into the evolution of divergent nucleotide-binding mechanisms among pseudokinases revealed by crystal structures of human and mouse MLKL. Biochemical Journal, 2014, 457, 369-377.	3.7	92
13	Necroptosis signalling is tuned by phosphorylation of MLKL residues outside the pseudokinase domain activation loop. Biochemical Journal, 2015, 471, 255-265.	3.7	91
14	The Transmembrane Segment of Tom20 Is Recognized by Mim1 for Docking to the Mitochondrial TOM Complex. Journal of Molecular Biology, 2008, 376, 694-704.	4.2	88
15	Protein import into mitochondria: origins and functions today (Review). Molecular Membrane Biology, 2005, 22, 87-100.	2.0	76
16	A missense mutation in the MLKL brace region promotes lethal neonatal inflammation and hematopoietic dysfunction. Nature Communications, 2020, 11, 3150.	12.8	75
17	Necroptotic signaling is primed in Mycobacterium tuberculosis-infected macrophages, but its pathophysiological consequence in disease is restricted. Cell Death and Differentiation, 2018, 25, 951-965.	11.2	72
18	Insane in the membrane: a structural perspective of MLKL function in necroptosis. Immunology and Cell Biology, 2017, 95, 152-159.	2.3	67

#	Article	IF	Citations
19	A FRET biosensor for necroptosis uncovers two different modes of the release of DAMPs. Nature Communications, 2018, 9, 4457.	12.8	65
20	Identification of MLKL membrane translocation as a checkpoint in necroptotic cell death using Monobodies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8468-8475.	7.1	64
21	Conformational interconversion of MLKL and disengagement from RIPK3 precede cell death by necroptosis. Nature Communications, 2021, 12, 2211.	12.8	56
22	Patterns that Define the Four Domains Conserved in Known and Novel Isoforms of the Protein Import Receptor Tom20. Journal of Molecular Biology, 2005, 347, 81-93.	4.2	53
23	Location, location, location: A compartmentalized view of TNF-induced necroptotic signaling. Science Signaling, 2021, 14, .	3.6	53
24	Environmental stresses inhibit and stimulate different protein import pathways in plant mitochondria. FEBS Letters, 2003, 547, 125-130.	2.8	47
25	Nuclear TRAF3 is a negative regulator of CREB in B cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1032-1037.	7.1	44
26	Combination of IAP antagonist and IFNÎ³ activates novel caspase-10- and RIPK1-dependent cell death pathways. Cell Death and Differentiation, 2017, 24, 481-491.	11.2	43
27	Oligomerizationâ€driven MLKL ubiquitylation antagonizes necroptosis. EMBO Journal, 2021, 40, e103718.	7.8	39
28	A toolbox for imaging RIPK1, RIPK3, and MLKL in mouse and human cells. Cell Death and Differentiation, 2021, 28, 2126-2144.	11.2	37
29	A Complex Relationship between TRAF3 and Non-Canonical NF-ÎºB2 Activation in B Lymphocytes. Frontiers in Immunology, 2013, 4, 477.	4.8	31
30	A family harboring an MLKL loss of function variant implicates impaired necroptosis in diabetes. Cell Death and Disease, 2021, 12, 345.	6.3	26
31	Is SIRT2 required for necroptosis?. Nature, 2014, 506, E4-E6.	27.8	23
32	Potent Inhibition of Necroptosis by Simultaneously Targeting Multiple Effectors of the Pathway. ACS Chemical Biology, 2020, 15, 2702-2713.	3.4	22
33	Membrane permeabilization is mediated by distinct epitopes in mouse and human orthologs of the necroptosis effector, MLKL. Cell Death and Differentiation, 2022, 29, 1804-1815.	11.2	22
34	The Highway to Hell: A RIP Kinase-Directed Shortcut to Inflammatory Cytokine Production. Immunity, 2016, 45, 1-3.	14.3	20
35	Synaptic Zn²⁺ and febrile seizure susceptibility. British Journal of Pharmacology, 2017, 174, 119-125.	5.4	18
36	The Role of the Key Effector of Necroptotic Cell Death, MLKL, in Mouse Models of Disease. Biomolecules, 2021, 11, 803.	4.0	14

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37	Necroptotic movers and shakers: cell types, inflammatory drivers and diseases. Current Opinion in Immunology, 2021, 68, 83-97.	5.5	13
38	Domain Stealing by Receptors in a Protein Transport Complex. Molecular Biology and Evolution, 2007, 24, 1909-1911.	8.9	12
39	The necroptotic cell death pathway operates in megakaryocytes, but not in platelet synthesis. Cell Death and Disease, 2021, 12, 133.	6.3	8
40	Methods for Studying TNF-Mediated Necroptosis in Cultured Cells. Methods in Molecular Biology, 2018, 1857, 53-61.	0.9	6
41	Rare catastrophes and evolutionary legacies: human germline gene variants in MLKL and the necroptosis signalling pathway. Biochemical Society Transactions, 2022, 50, 529-539.	3.4	5
42	Flicking the molecular switch underlying MLKL-mediated necroptosis. Molecular and Cellular Oncology, 2015, 2, e985550.	0.7	3
43	Addendum: A FRET biosensor for necroptosis uncovers two different modes of the release of DAMPs. Nature Communications, 2019, 10, 1923.	12.8	2
44	Add necroptosis to your asthma action plan. Immunology and Cell Biology, 2021, 99, 800-802.	2.3	1