

# Inna N Lavrik

## List of Publications by Year in descending order

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78  
papers

4,630  
citations

117625

34  
h-index

98798

67  
g-index

83  
all docs

83  
docs citations

83  
times ranked

6648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Life and death in peripheral T cells. <i>Nature Reviews Immunology</i> , 2007, 7, 532-542.	22.7	536
2	Caspases: pharmacological manipulation of cell death. <i>Journal of Clinical Investigation</i> , 2005, 115, 2665-2672.	8.2	517
3	Death receptor signaling. <i>Journal of Cell Science</i> , 2005, 118, 265-267.	2.0	425
4	c-FLIPR, a New Regulator of Death Receptor-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2005, 280, 14507-14513.	3.4	236
5	The c-FLIP <sup>Δ</sup> NH <sub>2</sub> terminus (p22-FLIP) induces NF- $\kappa$ B activation. <i>Journal of Experimental Medicine</i> , 2006, 203, 1295-1305.	8.5	185
6	Stoichiometry of the CD95 Death-Inducing Signaling Complex: Experimental and Modeling Evidence for a Death Effector Domain Chain Model. <i>Molecular Cell</i> , 2012, 47, 306-319.	9.7	173
7	Quantification of apoptosis and necroptosis at the single cell level by a combination of Imaging Flow Cytometry with classical Annexin V/propidium iodide staining. <i>Journal of Immunological Methods</i> , 2015, 423, 99-103.	1.4	167
8	Model-based dissection of CD95 signaling dynamics reveals both a pro- and antiapoptotic role of c-FLIPL. <i>Journal of Cell Biology</i> , 2010, 190, 377-389.	5.2	135
9	Dynamics within the CD95 death-inducing signaling complex decide life and death of cells. <i>Molecular Systems Biology</i> , 2010, 6, 352.	7.2	130
10	A Dual Role of Caspase-8 in Triggering and Sensing Proliferation-Associated DNA Damage, a Key Determinant of Liver Cancer Development. <i>Cancer Cell</i> , 2017, 32, 342-359.e10.	16.8	122
11	Post-translational Modification of Caspases: The Other Side of Apoptosis Regulation. <i>Trends in Cell Biology</i> , 2017, 27, 322-339.	7.9	104
12	Cellular FLICE-like inhibitory proteins (c-FLIPs): Fine-tuners of life and death decisions. <i>Experimental Cell Research</i> , 2012, 318, 1324-1331.	2.6	101
13	Analysis of CD95 Threshold Signaling. <i>Journal of Biological Chemistry</i> , 2007, 282, 13664-13671.	3.4	97
14	Systems biology of apoptosis signaling networks. <i>Current Opinion in Biotechnology</i> , 2010, 21, 551-555.	6.6	95
15	The traditional Chinese herbal compound rocaglamide preferentially induces apoptosis in leukemia cells by modulation of mitogen-activated protein kinase activities. <i>International Journal of Cancer</i> , 2007, 121, 1839-1846.	5.1	89
16	Role of the nucleus in apoptosis: signaling and execution. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4593-4612.	5.4	84
17	The E. coli Effector Protein NleF Is a Caspase Inhibitor. <i>PLoS ONE</i> , 2013, 8, e58937.	2.5	83
18	Cdk1/Cyclin B1 Controls Fas-Mediated Apoptosis by Regulating Caspase-8 Activity. <i>Molecular and Cellular Biology</i> , 2010, 30, 5726-5740.	2.3	80

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19	Chronic <i>Toxoplasma gondii</i> infection enhances $\beta$ -amyloid phagocytosis and clearance by recruited monocytes. <i>Acta Neuropathologica Communications</i> , 2016, 4, 25.	5.2	78
20	Contacts between 16S ribosomal RNA and mRNA, within the spacer region separating the AUG initiator codon and the Shine-Dalgarno sequence; a site-directed cross-linking study. <i>Nucleic Acids Research</i> , 1994, 22, 3018-3025.	14.5	67
21	Caspase-2 is activated at the CD95 death-inducing signaling complex in the course of CD95-induced apoptosis. <i>Blood</i> , 2006, 108, 559-565.	1.4	58
22	Novel candidate genes important for asthma and hypertension comorbidity revealed from associative gene networks. <i>BMC Medical Genomics</i> , 2018, 11, 15.	1.5	57
23	Apoptosis regulation by subcellular relocation of caspases. <i>Scientific Reports</i> , 2018, 8, 12199.	3.3	56
24	Modulation of the CD95-Induced Apoptosis: The Role of CD95 N-Glycosylation. <i>PLoS ONE</i> , 2011, 6, e19927.	2.5	54
25	Structure and function of 5S rRNA in the ribosome. <i>Biochemistry and Cell Biology</i> , 1995, 73, 869-876.	2.0	52
26	A New C-Terminal Cleavage Product of Procaspase-8, p30, Defines an Alternative Pathway of Procaspase-8 Activation. <i>Molecular and Cellular Biology</i> , 2009, 29, 4431-4440.	2.3	50
27	Alterations in the nucleocytoplasmic transport in apoptosis: Caspases lead the way. <i>Cell Proliferation</i> , 2018, 51, e12467.	5.3	49
28	Decoding the sweet regulation of apoptosis: the role of glycosylation and galectins in apoptotic signaling pathways. <i>Cell Death and Differentiation</i> , 2019, 26, 981-993.	11.2	48
29	Understanding apoptosis by systems biology approaches. <i>Molecular BioSystems</i> , 2009, 5, 1105.	2.9	45
30	CD95 Stimulation Results in the Formation of a Novel Death Effector Domain Protein-containing Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 26401-26408.	3.4	44
31	The role of death domain proteins in host response upon SARS-CoV-2 infection: modulation of programmed cell death and translational applications. <i>Cell Death Discovery</i> , 2020, 6, 101.	4.7	41
32	Mathematical modeling of apoptosis. <i>Cell Communication and Signaling</i> , 2013, 11, 44.	6.5	39
33	Pathogen-induced ubiquitin-editing enzyme A20 bifunctionally shuts off NF- $\kappa$ B and caspase-8-dependent apoptotic cell death. <i>Cell Death and Differentiation</i> , 2017, 24, 1621-1631.	11.2	37
34	Cell death controlling complexes and their potential therapeutic role. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 505-517.	5.4	35
35	Controlling Cell Death through Post-translational Modifications of DED Proteins. <i>Trends in Cell Biology</i> , 2020, 30, 354-369.	7.9	35
36	Regulation of extrinsic apoptotic signaling by c-FLIP: towards targeting cancer networks. <i>Trends in Cancer</i> , 2022, 8, 190-209.	7.4	32

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37	The chains of death. <i>Cell Cycle</i> , 2013, 12, 193-194.	2.6	31
38	Caspase-2 is a negative regulator of necroptosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 102, 101-108.	2.8	27
39	Human tankyrases are aberrantly expressed in colon tumors and contain multiple epitopes that induce humoral and cellular immune responses in cancer patients. <i>Cancer Immunology, Immunotherapy</i> , 2008, 57, 871-881.	4.2	23
40	Long and short isoforms of c-FLIP act as control checkpoints of DED filament assembly. <i>Oncogene</i> , 2020, 39, 1756-1772.	5.9	22
41	A20 Curtails Primary but Augments Secondary CD8+ T Cell Responses in Intracellular Bacterial Infection. <i>Scientific Reports</i> , 2016, 6, 39796.	3.3	20
42	Quantitative single cell analysis uncovers the life/death decision in CD95 network. <i>PLoS Computational Biology</i> , 2018, 14, e1006368.	3.2	20
43	A guide to automated apoptosis detection: How to make sense of imaging flow cytometry data. <i>PLoS ONE</i> , 2018, 13, e0197208.	2.5	19
44	Modulation of CD95-mediated signaling by post-translational modifications: towards understanding CD95 signaling networks. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 385-394.	4.9	19
45	Dissecting DISC regulation via pharmacological targeting of caspase-8/c-FLIPL heterodimer. <i>Cell Death and Differentiation</i> , 2020, 27, 2117-2130.	11.2	19
46	Combinatorial treatment of CD95L and gemcitabine in pancreatic cancer cells induces apoptotic and RIP1-mediated necroptotic cell death network. <i>Experimental Cell Research</i> , 2015, 339, 1-9.	2.6	18
47	Prioritization of genes involved in endothelial cell apoptosis by their implication in lymphedema using an analysis of associative gene networks with ANDSystem. <i>BMC Medical Genomics</i> , 2019, 12, 47.	1.5	18
48	Quantification of CD95-induced apoptosis and NF- $\kappa$ B activation at the single cell level. <i>Journal of Immunological Methods</i> , 2015, 423, 12-17.	1.4	14
49	Translational Properties of mHNA, a Messenger RNA Containing Anhydrohexitol Nucleotides. <i>Biochemistry</i> , 2001, 40, 11777-11784.	2.5	13
50	Modulation of Mcl-1 transcription by serum deprivation sensitizes cancer cells to cisplatin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 557-566.	2.4	10
51	Targeting RIPK1 in AML cells carrying FLT3-ITD. <i>International Journal of Cancer</i> , 2019, 145, 1558-1569.	5.1	10
52	YB-1 Mediates TNF-Induced Pro-Survival Signaling by Regulating NF- $\kappa$ B Activation. <i>Cancers</i> , 2020, 12, 2188.	3.7	10
53	Cytotoxic and Antitumor Activity of Lactaptin in Combination with Autophagy Inducers and Inhibitors. <i>BioMed Research International</i> , 2019, 2019, 1-16.	1.9	9
54	Delineating the role of c-FLIP/NEMO interaction in the CD95 network via rational design of molecular probes. <i>BMC Genomics</i> , 2019, 20, 293.	2.8	9

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55	The Recombinant Fragment of Human $\hat{\text{I}}^{\text{p}}$ -Casein Induces Cell Death by Targeting the Proteins of Mitochondrial Import in Breast Cancer Cells. <i>Cancers</i> , 2020, 12, 1427.	3.7	9
56	Quantification of High-Molecular Weight Protein Platforms by AQUA Mass Spectrometry as Exemplified for the CD95 Death-Inducing Signaling Complex (DISC). <i>Cells</i> , 2013, 2, 476-495.	4.1	8
57	Prediction of tissue-specific effects of gene knockout on apoptosis in different anatomical structures of human brain. <i>BMC Genomics</i> , 2015, 16, S3.	2.8	8
58	Morphological and Functional Alterations of Alveolar Macrophages in a Murine Model of Chronic Inflammatory Lung Disease. <i>Lung</i> , 2015, 193, 947-953.	3.3	8
59	Mosaic gene network modelling identified new regulatory mechanisms in HCV infection. <i>Virus Research</i> , 2016, 218, 71-78.	2.2	8
60	Analysis of signaling networks distributed over intracellular compartments based on protein-protein interactions. <i>BMC Genomics</i> , 2014, 15, S7.	2.8	6
61	Impact of human CD95 mutations on cell death and autoimmunity: a model. <i>Trends in Immunology</i> , 2022, 43, 22-40.	6.8	6
62	Interplay Between Mitophagy and Apoptosis Defines a Cell Fate Upon Co-treatment of Breast Cancer Cells With a Recombinant Fragment of Human $\hat{\text{I}}^{\text{p}}$ -Casein and Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 617762.	3.7	5
63	NACE: A web-based tool for prediction of intercompartmental efficiency of human molecular genetic networks. <i>Virus Research</i> , 2016, 218, 79-85.	2.2	4
64	Pharmacological targeting of c-FLIPL and Bcl-2 family members promotes apoptosis in CD95L-resistant cells. <i>Scientific Reports</i> , 2020, 10, 20823.	3.3	4
65	Understanding Life and Death at CD95. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 151-161.	1.6	3
66	Systems Biology of Death Receptor-Induced Apoptosis. , 2012, , 33-56.		3
67	The purification and identification of human blood serum proteins with affinity to the antitumor active RL2 lactaptin using magnetic microparticles. <i>Biomedical Chromatography</i> , 2019, 33, e4647.	1.7	3
68	A study of structural properties of gene network graphs for mathematical modeling of integrated mosaic gene networks. <i>Journal of Bioinformatics and Computational Biology</i> , 2017, 15, 1650045.	0.8	2
69	Modern Site-Directed Cross-Linking Approaches: Implication for Ribosome Structure and Functions. , 0, , 245-255.		2
70	Measuring Composition of CD95 Death-Inducing Signaling Complex and Processing of Procaspace-8 in this Complex. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
71	Life and Death Decisions in the CD95 System: Main Pro-and Anti-Apoptotic Modulators. <i>Acta Naturae</i> , 2009, 1, 80-3.	1.7	1
72	Systematic Complexity Reduction of Signaling Models and Application to a CD95 Signaling Model for Apoptosis. , 2012, , 57-84.		0

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73	Modeling Single Cells in Systems Biology. , 2012, , 145-161.		0
74	Phagocytosis of Abeta by infiltrating myeloid cells in a mouse model of Alzheimer's disease. Journal of Neuroimmunology, 2014, 275, 120.	2.3	0
75	Parameter identification using stochastic simulations reveals a robustness in CD95 apoptotic response. Molecular BioSystems, 2016, 12, 1486-1495.	2.9	0
76	Editorial: Dynamical Networks of Life/Death Decisions in a Cell: From DNA Repair to Cell Death. Frontiers in Cell and Developmental Biology, 2021, 9, 722426.	3.7	0
77	CD95. The AFCS-nature Molecule Pages, 0, , .	0.2	0
78	Measuring Procaspase-8 and -10 Processing upon Apoptosis Induction. Bio-protocol, 2017, 7, e2081.	0.4	0