Domagoj Vucic

List of Publications by Year in descending order

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74	13,732	66343	82547
papers	citations	42 h-index	72 g-index

75	75	75	17349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
2	IAP Antagonists Induce Autoubiquitination of c-IAPs, NF-Î¹B Activation, and TNFÎ±-Dependent Apoptosis. Cell, 2007, 131, 669-681.	28.9	1,124
3	Ubiquitination in disease pathogenesis and treatment. Nature Medicine, 2014, 20, 1242-1253.	30.7	845
4	Targeting IAP proteins for therapeutic intervention in cancer. Nature Reviews Drug Discovery, 2012, 11, 109-124.	46.4	712
5	Activity of Protein Kinase RIPK3 Determines Whether Cells Die by Necroptosis or Apoptosis. Science, 2014, 343, 1357-1360.	12.6	545
6	c-IAP1 and c-IAP2 Are Critical Mediators of Tumor Necrosis Factor Î± (TNFÎ±)-induced NF-Î¹B Activation. Journal of Biological Chemistry, 2008, 283, 24295-24299.	3.4	482
7	ML-IAP, a novel inhibitor of apoptosis that is preferentially expressed in human melanomas. Current Biology, 2000, 10, 1359-1366.	3.9	389
8	Ubiquitylation in apoptosis: a post-translational modification at the edge of life and death. Nature Reviews Molecular Cell Biology, 2011, 12, 439-452.	37.0	381
9	c-IAP1 and UbcH5 promote K11-linked polyubiquitination of RIP1 in TNF signalling. EMBO Journal, 2010, 29, 4198-4209.	7.8	311
10	Kinase inhibition in autoimmunity and inflammation. Nature Reviews Drug Discovery, 2021, 20, 39-63.	46.4	220
11	Discovery of a Potent Small-Molecule Antagonist of Inhibitor of Apoptosis (IAP) Proteins and Clinical Candidate for the Treatment of Cancer (GDC-0152). Journal of Medicinal Chemistry, 2012, 55, 4101-4113.	6.4	217
12	Inhibitor of Apoptosis Proteins Physically Interact with and Block Apoptosis Induced by Drosophila Proteins HID and GRIM. Molecular and Cellular Biology, 1998, 18, 3300-3309.	2.3	208
13	A Senescence-Inflammatory Switch from Cancer-Inhibitory to Cancer-Promoting Mechanism. Cancer Cell, 2013, 24, 242-256.	16.8	201
14	Antagonists Induce a Conformational Change in cIAP1 That Promotes Autoubiquitination. Science, 2011, 334, 376-380.	12.6	196
15	The Inhibitor of Apoptosis Proteins as Therapeutic Targets in Cancer. Clinical Cancer Research, 2007, 13, 5995-6000.	7.0	192
16	Design, Synthesis, and Biological Activity of a Potent Smac Mimetic That Sensitizes Cancer Cells to Apoptosis by Antagonizing IAPs. ACS Chemical Biology, 2006, 1, 525-533.	3.4	171
17	Intracellular regulation of TNF activity in health and disease. Cytokine, 2018, 101, 26-32.	3.2	165
18	Cellular Inhibitors of Apoptosis Are Global Regulators of NF-Î¹B and MAPK Activation by Members of the TNF Family of Receptors. Science Signaling, 2012, 5, ra22.	3.6	164

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19	OTULIN limits cell death and inflammation by deubiquitinating LUBAC. Nature, 2018, 559, 120-124.	27.8	151
20	SMAC Negatively Regulates the Anti-apoptotic Activity of Melanoma Inhibitor of Apoptosis (ML-IAP). Journal of Biological Chemistry, 2002, 277, 12275-12279.	3.4	150
21	Cell death pathways: intricate connections and disease implications. EMBO Journal, 2021, 40, e106700.	7.8	149
22	The Balance of TNF Mediated Pathways Regulates Inflammatory Cell Death Signaling in Healthy and Diseased Tissues. Frontiers in Cell and Developmental Biology, 2020, 8, 365.	3.7	143
23	Ubiquitination in the regulation of inflammatory cell death and cancer. Cell Death and Differentiation, 2021, 28, 591-605.	11.2	142
24	The Indian cobra reference genome and transcriptome enables comprehensive identification of venom toxins. Nature Genetics, 2020, 52, 106-117.	21.4	139
25	Engineering ML-IAP to produce an extraordinarily potent caspase 9 inhibitor: implications for Smac-dependent anti-apoptotic activity of ML-IAP. Biochemical Journal, 2005, 385, 11-20.	3.7	130
26	Improved Quantitative Mass Spectrometry Methods for Characterizing Complex Ubiquitin Signals. Molecular and Cellular Proteomics, 2011, 10, M110.003756.	3.8	124
27	(Un)expected roles of c-IAPs in apoptotic and NFκB signaling pathways. Cell Cycle, 2008, 7, 1511-1521.	2.6	118
28	Ubiquitin binding modulates IAP antagonist-stimulated proteasomal degradation of c-IAP1 and c-IAP2. Biochemical Journal, 2009, 417, 149-165.	3.7	106
29	Diverse ubiquitin linkages regulate RIP kinases-mediated inflammatory and cell death signaling. Cell Death and Differentiation, 2017, 24, 1160-1171.	11.2	106
30	IAP Family of Cell Death and Signaling Regulators. Methods in Enzymology, 2014, 545, 35-65.	1.0	103
31	OTUB1 modulates c-IAP1 stability to regulate signalling pathways. EMBO Journal, 2013, 32, 1103-1114.	7.8	100
32	RIP1 inhibition blocks inflammatory diseases but not tumor growth or metastases. Cell Death and Differentiation, 2020, 27, 161-175.	11.2	100
33	Microphthalmia-Associated Transcription Factor Is a Critical Transcriptional Regulator of Melanoma Inhibitor of Apoptosis in Melanomas. Cancer Research, 2008, 68, 3124-3132.	0.9	99
34	Coordinated ubiquitination and phosphorylation of RIP1 regulates necroptotic cell death. Cell Death and Differentiation, 2017, 24, 26-37.	11.2	95
35	Disruption of XIAP-RIP2 Association Blocks NOD2-Mediated Inflammatory Signaling. Molecular Cell, 2018, 69, 551-565.e7.	9.7	95
36	Structure and Function Analysis of Peptide Antagonists of Melanoma Inhibitor of Apoptosis (ML-IAP). Biochemistry, 2003, 42, 8223-8231.	2.5	92

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37	Antagonism of c-IAP and XIAP Proteins Is Required for Efficient Induction of Cell Death by Small-Molecule IAP Antagonists. ACS Chemical Biology, 2009, 4, 557-566.	3.4	91
38	Necroptosis: Pathway diversity and characteristics. Seminars in Cell and Developmental Biology, 2015, 39, 56-62.	5.0	91
39	The Inhibitor of Apoptosis Protein Fusion c-IAP2Â·MALT1 Stimulates NF-Î²B Activation Independently of TRAF1 AND TRAF2. Journal of Biological Chemistry, 2006, 281, 29022-29029.	3.4	75
40	Ubiquitin in inflammation: the right linkage makes all the difference. Nature Structural and Molecular Biology, 2014, 21, 297-300.	8.2	55
41	X Chromosome-linked Inhibitor of Apoptosis Regulates Cell Death Induction by Proapoptotic Receptor Agonists. Journal of Biological Chemistry, 2009, 284, 34553-34560.	3.4	51
42	Inhibitor of apoptosis proteins: fascinating biology leads to attractive tumor therapeutic targets. Future Oncology, 2011, 7, 633-648.	2.4	48
43	Regulation of Cell Death and Immunity by XIAP. Cold Spring Harbor Perspectives in Biology, 2020, 12, a036426.	5.5	47
44	Ubiquitin Ligases cIAP1 and cIAP2 Limit Cell Death to Prevent Inflammation. Cell Reports, 2019, 27, 2679-2689.e3.	6.4	44
45	Antagonists of IAP proteins as cancer therapeutics. Cancer Letters, 2013, 332, 206-214.	7.2	41
46	Impaired RIPK1 ubiquitination sensitizes mice to TNF toxicity and inflammatory cell death. Cell Death and Differentiation, 2021, 28, 985-1000.	11.2	41
47	Targeting IAP (Inhibitor of Apoptosis) Proteins for Therapeutic Intervention in Tumors. Current Cancer Drug Targets, 2008, 8, 110-117.	1.6	40
48	Inhibitor of Apoptosis Proteins (IAPs) and Their Antagonists Regulate Spontaneous and Tumor Necrosis Factor (TNF)-induced Proinflammatory Cytokine and Chemokine Production. Journal of Biological Chemistry, 2013, 288, 4878-4890.	3.4	38
49	RIP1 kinase activity is critical for skin inflammation but not for viral propagation. Journal of Leukocyte Biology, 2020, 107, 941-952.	3.3	34
50	Targeting inhibitor of apoptosis proteins for therapeutic intervention. Future Medicinal Chemistry, 2009, 1, 1509-1525.	2.3	33
51	Baculovirus-based Genetic Screen for Antiapoptotic Genes Identifies a Novel IAP. Journal of Biological Chemistry, 1999, 274, 36769-36773.	3.4	31
52	The kinase IRAK4 promotes endosomal TLR and immune complex signaling in B cells and plasmacytoid dendritic cells. Science Signaling, 2020, 13, .	3.6	22
53	Ubiquitin Ligases in Cancer: Ushers for Degradation. Cancer Investigation, 2007, 25, 502-513.	1.3	21
54	Genetic inactivation of RIP1 kinase does not ameliorate disease in a mouse model of ALS. Cell Death and Differentiation, 2021, 28, 915-931.	11.2	21

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55	Characterization of ML-IAP protein stability and physiological role in vivo. Biochemical Journal, 2012, 447, 427-436.	3.7	19
56	Targeting Cell Death Pathways for Therapeutic Intervention in Kidney Diseases. Seminars in Nephrology, 2016, 36, 153-161.	1.6	19
57	Roles of c-IAP Proteins in TNF Receptor Family Activation of NF-Î¹B Signaling. Methods in Molecular Biology, 2015, 1280, 269-282.	0.9	19
58	Masking MALT1: the paracaspase's potential for cancer therapy. Journal of Experimental Medicine, 2009, 206, 2309-2312.	8.5	17
59	Protease activity of MALT1: a mystery unravelled. Biochemical Journal, 2012, 444, e3-e5.	3.7	14
60	Immunoaffinity Enrichment Coupled to Quantitative Mass Spectrometry Reveals Ubiquitin-Mediated Signaling Events. Journal of Molecular Biology, 2015, 427, 2121-2134.	4.2	14
61	XIAP at the crossroads of cell death and inflammation. Oncotarget, 2018, 9, 27319-27320.	1.8	14
62	RIP1 post-translational modifications. Biochemical Journal, 2022, 479, 929-951.	3.7	14
63	Smac mimetic induces cell death in a large proportion of primary acute myeloid leukemia samples, which correlates with defined molecular markers. Oncotarget, 2016, 7, 49539-49551.	1.8	12
64	XIAP promotes melanoma growth by inducing tumour neutrophil infiltration. EMBO Reports, 2022, 23, e53608.	4.5	12
65	Ubiquitination profiling identifies sensitivity factors for IAP antagonist treatment. Biochemical Journal, 2015, 466, 45-54.	3.7	9
66	Genetic inactivation of RIP1 kinase activity in rats protects against ischemic brain injury. Cell Death and Disease, 2021, 12, 379.	6.3	9
67	The Role of Ubiquitination in TWEAK-Stimulated Signaling. Frontiers in Immunology, 2013, 4, 472.	4.8	8
68	Development of novel drugs targeting inhibitors of apoptosis. Future Oncology, 2009, 5, 141-144.	2.4	7
69	Primary Amine Tethered Small Molecules Promote the Degradation of X-Linked Inhibitor of Apoptosis Protein. Journal of the American Chemical Society, 2021, 143, 10571-10575.	13.7	7
70	TRAF2 and Cellular IAPs: A Critical Link in TNFR Family Signaling. Advances in Experimental Medicine and Biology, 2011, 691, 63-78.	1.6	7
71	The Development of Small-Molecule IAP Antagonists for the Treatment of Cancer. Topics in Medicinal Chemistry, 2012, , 81-103.	0.8	3
72	A solid-phase approach for the synthesis of muramyl dipeptide conjugates for detection of NOD2. Bioorganic Chemistry, 2021, 116, 105360.	4.1	2

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73	Immunoblot Analysis of the Regulation of TNF Receptor Family-Induced NF-ÎºB Signaling by Proteins. Methods in Molecular Biology, 2021, 2366, 109-123.	0.9	1
74	IAP Proteins and Their Therapeutic Potential. , 2014, , 97-119.		0