

# Adi Kimchi

## List of Publications by Year in descending order

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112  
papers

30,646  
citations

19608

61  
h-index

28224

105  
g-index

113  
all docs

113  
docs citations

113  
times ranked

38351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
3	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
4	Self-eating and self-killing: crosstalk between autophagy and apoptosis. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 741-752.	16.1	3,105
5	Wild-type p53 induces apoptosis of myeloid leukaemic cells that is inhibited by interleukin-6. <i>Nature</i> , 1991, 352, 345-347.	13.7	2,118
6	Autophagy as a cell death and tumor suppressor mechanism. <i>Oncogene</i> , 2004, 23, 2891-2906.	2.6	1,306
7	Life and death partners: apoptosis, autophagy and the cross-talk between them. <i>Cell Death and Differentiation</i> , 2009, 16, 966-975.	5.0	1,073
8	Identification of a novel serine/threonine kinase and a novel 15-kD protein as potential mediators of the gamma interferon-induced cell death.. <i>Genes and Development</i> , 1995, 9, 15-30.	2.7	533
9	DAP-kinase-mediated phosphorylation on the BH3 domain of beclin 1 promotes dissociation of beclin 1 from Bcl-XL and induction of autophagy. <i>EMBO Reports</i> , 2009, 10, 285-292.	2.0	520
10	DAP kinase and DRP-1 mediate membrane blebbing and the formation of autophagic vesicles during programmed cell death. <i>Journal of Cell Biology</i> , 2002, 157, 455-468.	2.3	471
11	Cathepsin D protease mediates programmed cell death induced by interferon-gamma, Fas/APO-1 and TNF-alpha.. <i>EMBO Journal</i> , 1996, 15, 3861-3870.	3.5	402
12	The Death-Associated Protein Kinases: Structure, Function, and Beyond. <i>Annual Review of Biochemistry</i> , 2006, 75, 189-210.	5.0	399
13	DAP kinase activates a p19ARF/p53-mediated apoptotic checkpoint to suppress oncogenic transformation. <i>Nature Cell Biology</i> , 2001, 3, 1-7.	4.6	377
14	DAP-kinase is a Ca <sup>2+</sup> /calmodulin-dependent, cytoskeletal-associated protein kinase, with cell death-inducing functions that depend on its catalytic activity. <i>EMBO Journal</i> , 1997, 16, 998-1008.	3.5	376
15	Autophagy and Cell Death. <i>Current Topics in Developmental Biology</i> , 2007, 78, 217-245.	1.0	373
16	DAP kinase links the control of apoptosis to metastasis. <i>Nature</i> , 1997, 390, 180-184.	13.7	370
17	The death domain: a module shared by proteins with diverse cellular functions. <i>Trends in Biochemical Sciences</i> , 1995, 20, 342-344.	3.7	288
18	Dap-Kinase Participates in TNF- $\alpha$ And FAS-Induced Apoptosis and Its Function Requires the Death Domain. <i>Journal of Cell Biology</i> , 1999, 146, 141-148.	2.3	258

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19	The Autophagy Protein Atg12 Associates with Antiapoptotic Bcl-2 Family Members to Promote Mitochondrial Apoptosis. <i>Molecular Cell</i> , 2011, 44, 698-709.	4.5	242
20	Phosphorylation of Beclin 1 by DAP-kinase promotes autophagy by weakening its interactions with Bcl-2 and Bcl-X <sub>L</sub> . <i>Autophagy</i> , 2009, 5, 720-722.	4.3	227
21	A Short Mitochondrial Form of p19ARF Induces Autophagy and Caspase-Independent Cell Death. <i>Molecular Cell</i> , 2006, 22, 463-475.	4.5	225
22	DAP-kinase is a mediator of endoplasmic reticulum stress-induced caspase activation and autophagic cell death. <i>Cell Death and Differentiation</i> , 2008, 15, 1875-1886.	5.0	222
23	Autophagy-dependent cell death “ where, how and why a cell eats itself to death. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	222
24	Life in the balance “ a mechanistic view of the crosstalk between autophagy and apoptosis. <i>Journal of Cell Science</i> , 2012, 125, 5259-5268.	1.2	210
25	Hsp90 Recognizes a Common Surface on Client Kinases. <i>Journal of Biological Chemistry</i> , 2006, 281, 14361-14369.	1.6	197
26	The paradox of autophagy and its implication in cancer etiology and therapy. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 376-391.	2.2	192
27	DAP-kinase loss of expression in various carcinoma and B-cell lymphoma cell lines: possible implications for role as tumor suppressor gene. <i>Oncogene</i> , 1997, 15, 403-407.	2.6	190
28	A genetic tool used to identify thioredoxin as a mediator of a growth inhibitory signal. <i>Science</i> , 1991, 252, 117-120.	6.0	187
29	DAPk Protein Family and Cancer. <i>Autophagy</i> , 2006, 2, 74-79.	4.3	186
30	A Novel Form of DAP5 Protein Accumulates in Apoptotic Cells as a Result of Caspase Cleavage and Internal Ribosome Entry Site-Mediated Translation. <i>Molecular and Cellular Biology</i> , 2000, 20, 496-506.	1.1	179
31	The caspase-cleaved DAP5 protein supports internal ribosome entry site-mediated translation of death proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5400-5405.	3.3	153
32	DAP1, a Novel Substrate of mTOR, Negatively Regulates Autophagy. <i>Current Biology</i> , 2010, 20, 1093-1098.	1.8	145
33	The dependence receptor UNC5H2 mediates apoptosis through DAP-kinase. <i>EMBO Journal</i> , 2005, 24, 1192-1201.	3.5	144
34	The Pro-apoptotic Function of Death-associated Protein Kinase Is Controlled by a Unique Inhibitory Autophosphorylation-based Mechanism. <i>Journal of Biological Chemistry</i> , 2001, 276, 47460-47467.	1.6	141
35	Death-Associated Protein Kinase-Related Protein 1, a Novel Serine/Threonine Kinase Involved in Apoptosis. <i>Molecular and Cellular Biology</i> , 2000, 20, 1044-1054.	1.1	138
36	DAP-5, a Novel Homolog of Eukaryotic Translation Initiation Factor 4G Isolated as a Putative Modulator of Gamma Interferon-Induced Programmed Cell Death. <i>Molecular and Cellular Biology</i> , 1997, 17, 1615-1625.	1.1	137

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37	Death-associated Protein (DAP) Kinase Plays a Central Role in Ceramide-induced Apoptosis in Cultured Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2002, 277, 1957-1961.	1.6	125
38	DAP5 Promotes Cap-Independent Translation of Bcl-2 and CDK1 to Facilitate Cell Survival during Mitosis. <i>Molecular Cell</i> , 2008, 30, 447-459.	4.5	124
39	Death associated proteins (DAPs): from gene identification to the analysis of their apoptotic and tumor suppressive functions. <i>Oncogene</i> , 1998, 17, 3331-3340.	2.6	116
40	PKD is a kinase of Vps34 that mediates ROS-induced autophagy downstream of DAPk. <i>Cell Death and Differentiation</i> , 2012, 19, 788-797.	5.0	116
41	DAP-kinase: from functional gene cloning to establishment of its role in apoptosis and cancer. <i>Cell Death and Differentiation</i> , 2001, 8, 6-15.	5.0	112
42	The Dependence Receptor UNC5H2/B Triggers Apoptosis via PP2A-Mediated Dephosphorylation of DAP Kinase. <i>Molecular Cell</i> , 2010, 40, 863-876.	4.5	111
43	Isolation of DAP3, a Novel Mediator of Interferon- $\beta$ -induced Cell Death. <i>Journal of Biological Chemistry</i> , 1995, 270, 27932-27936.	1.6	106
44	Death-Associated Protein Kinase Phosphorylates ZIP Kinase, Forming a Unique Kinase Hierarchy To Activate Its Cell Death Functions. <i>Molecular and Cellular Biology</i> , 2004, 24, 8611-8626.	1.1	103
45	DAP kinase regulates JNK signaling by binding and activating protein kinase D under oxidative stress. <i>Cell Death and Differentiation</i> , 2007, 14, 1908-1915.	5.0	99
46	Structure-function analysis of an evolutionary conserved protein, DAP3, which mediates TNF-alpha - and Fas-induced cell death. <i>EMBO Journal</i> , 1999, 18, 353-362.	3.5	98
47	DAP Kinase—A Proapoptotic Gene That Functions as a Tumor Suppressor. <i>Experimental Cell Research</i> , 2001, 264, 185-192.	1.2	98
48	Systems biology analysis of programmed cell death. <i>Trends in Biochemical Sciences</i> , 2010, 35, 556-564.	3.7	93
49	The DAPK family: a structure–function analysis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 286-297.	2.2	93
50	DAP-kinase as a target for drug design in cancer and diseases associated with accelerated cell death. <i>Seminars in Cancer Biology</i> , 2004, 14, 283-294.	4.3	89
51	DAP-kinase-mediated morphological changes are localization dependent and involve myosin-II phosphorylation. <i>Cell Death and Differentiation</i> , 2004, 11, 631-644.	5.0	83
52	Cytokine triggered molecular pathways that control cell cycle arrest. <i>Journal of Cellular Biochemistry</i> , 1992, 50, 1-9.	1.2	81
53	DAP5 associates with eIF2 $\gamma$ and eIF4A1 to promote Internal Ribosome Entry Site driven translation. <i>Nucleic Acids Research</i> , 2015, 43, 3764-3775.	6.5	81
54	Death-associated protein kinase 1 has a critical role in aberrant tau protein regulation and function. <i>Cell Death and Disease</i> , 2014, 5, e1237-e1237.	2.7	79

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55	A functional genetic screen identifies regions at the C-terminal tail and death-domain of death-associated protein kinase that are critical for its proapoptotic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 1572-1577.	3.3	69
56	The translation initiation factor DAP5 promotes IRES-driven translation of p53 mRNA. <i>Oncogene</i> , 2014, 33, 611-618.	2.6	69
57	The DAP-kinase family of proteins: study of a novel group of calcium-regulated death-promoting kinases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002, 1600, 45-50.	1.1	67
58	DAPK activates MARK1/2 to regulate microtubule assembly, neuronal differentiation, and tau toxicity. <i>Cell Death and Differentiation</i> , 2011, 18, 1507-1520.	5.0	67
59	Signalome-wide RNAi screen identifies GBA1 as a positive mediator of autophagic cell death. <i>Cell Death and Differentiation</i> , 2017, 24, 1288-1302.	5.0	67
60	Death-associated Protein 3 Localizes to the Mitochondria and Is Involved in the Process of Mitochondrial Fragmentation during Cell Death. <i>Journal of Biological Chemistry</i> , 2004, 279, 36732-36738.	1.6	65
61	Autophosphorylation restrains the apoptotic activity of DRP-1 kinase by controlling dimerization and calmodulin binding. <i>EMBO Journal</i> , 2001, 20, 1099-1113.	3.5	63
62	Developmental changes in distribution of death-associated protein kinase mRNAs. , 1999, 58, 674-683.		61
63	DAP-kinase and autophagy. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 346-356.	2.2	61
64	Lethal weapons: DAP-kinase, autophagy and cell death. <i>Current Opinion in Cell Biology</i> , 2010, 22, 199-205.	2.6	59
65	Tumor suppressor death-associated protein kinase is required for full IL-1 $\beta$ production. <i>Blood</i> , 2011, 117, 960-970.	0.6	58
66	Autophagy and Tumor Suppression: Recent Advances in Understanding the Link between Autophagic Cell Death Pathways and Tumor Development. <i>Advances in Experimental Medicine and Biology</i> , 2008, 615, 177-200.	0.8	53
67	The DAP-kinase interactome. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 316-328.	2.2	53
68	DAPK2 is a novel regulator of mTORC1 activity and autophagy. <i>Cell Death and Differentiation</i> , 2015, 22, 465-475.	5.0	51
69	Complementation by Wild-Type p53 of Interleukin-6 Effects on M1 Cells: Induction of Cell Cycle Exit and Cooperativity with c-myc Suppression. <i>Molecular and Cellular Biology</i> , 1993, 13, 7942-7952.	1.1	50
70	Cap-independent translation by DAP5 controls cell fate decisions in human embryonic stem cells. <i>Genes and Development</i> , 2016, 30, 1991-2004.	2.7	49
71	Immune-related mechanisms participating in resistance and susceptibility to glutamate toxicity. <i>European Journal of Neuroscience</i> , 2002, 16, 557-564.	1.2	48
72	Death-associated protein kinase increases glycolytic rate through binding and activation of pyruvate kinase. <i>Oncogene</i> , 2012, 31, 683-693.	2.6	46

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73	DAP5 and IRES-mediated translation during programmed cell death. <i>Cell Death and Differentiation</i> , 2005, 12, 554-562.	5.0	42
74	Discovering Protein-Protein Interactions within the Programmed Cell Death Network Using a Protein-Fragment Complementation Screen. <i>Cell Reports</i> , 2014, 8, 909-921.	2.9	35
75	GTP binding to the ROC domain of DAP $\epsilon$ kinase regulates its function through intramolecular signalling. <i>EMBO Reports</i> , 2011, 12, 917-923.	2.0	34
76	Non-canonical activation of DAPK2 by AMPK constitutes a new pathway linking metabolic stress to autophagy. <i>Nature Communications</i> , 2018, 9, 1759.	5.8	33
77	Death-Associated Protein Kinase Loss of Expression Is a New Marker for Breast Cancer Prognosis. <i>Clinical Cancer Research</i> , 2004, 10, 3124-3130.	3.2	30
78	Autophagy gets a brake. <i>Autophagy</i> , 2010, 6, 1179-1180.	4.3	28
79	A High Throughput Proteomics Screen Identifies Novel Substrates of Death-associated Protein Kinase. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1089-1098.	2.5	25
80	Interferons and Interleukin-6 Suppress the DNA-Binding Activity of E2F in Growth-Sensitive Hematopoietic Cells. <i>Molecular and Cellular Biology</i> , 1993, 13, 5255-5265.	1.1	25
81	DAP genes: novel apoptotic genes isolated by a functional approach to gene cloning. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1998, 1377, F13-F33.	3.3	24
82	Tumor Suppressor Death-Associated Protein Kinase Attenuates Inflammatory Responses in the Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 46, 313-322.	1.4	24
83	Tumor suppressor death-associated protein kinase 1 inhibits necroptosis by p38 MAPK activation. <i>Cell Death and Disease</i> , 2020, 11, 305.	2.7	24
84	Death by over-eating: The Gaucher disease associated gene <i>GBA1</i> , identified in a screen for mediators of autophagic cell death, is necessary for developmental cell death in <i>Drosophila</i> midgut. <i>Cell Cycle</i> , 2017, 16, 2003-2010.	1.3	21
85	Thioredoxin participates in a cell death pathway induced by interferon and retinoid combination. <i>Oncogene</i> , 2001, 20, 3703-3715.	2.6	20
86	Tumour suppressor death-associated protein kinase targets cytoplasmic HIF-1 $\alpha$ for Th17 suppression. <i>Nature Communications</i> , 2016, 7, 11904.	5.8	20
87	Death-associated proteins: from gene identification to the analysis of their apoptotic and tumour suppressive functions. <i>Trends in Molecular Medicine</i> , 1998, 4, 268-274.	2.6	19
88	ZIPK: A Unique Case of Murine-Specific Divergence of a Conserved Vertebrate Gene. <i>PLoS Genetics</i> , 2007, 3, e180.	1.5	17
89	New Modularity of DAP-Kinases: Alternative Splicing of the DRP-1 Gene Produces a ZIPk-Like Isoform. <i>PLoS ONE</i> , 2011, 6, e17344.	1.1	17
90	ETS Proteins Bind with Glucocorticoid Receptors: Relevance for Treatment of Ewing Sarcoma. <i>Cell Reports</i> , 2019, 29, 104-117.e4.	2.9	16

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91	Biochemical and functional characterization of the ROC domain of DAPK establishes a new paradigm of GTP regulation in ROCO proteins. <i>Biochemical Society Transactions</i> , 2012, 40, 1052-1057.	1.6	15
92	PKD at the crossroads of necrosis and autophagy. <i>Autophagy</i> , 2012, 8, 433-434.	4.3	15
93	DAP kinase and DAP-3: novel positive mediators of apoptosis. <i>Annals of the Rheumatic Diseases</i> , 1999, 58, i14-i19.	0.5	14
94	A smARF Way to Die: A Novel Short Isoform of p19ARF is Linked to Autophagic Cell Death. <i>Autophagy</i> , 2006, 2, 328-330.	4.3	14
95	The Crystal Structure of the C-Terminal DAP5/p97 Domain Sheds Light on the Molecular Basis for Its Processing by Caspase Cleavage. <i>Journal of Molecular Biology</i> , 2008, 383, 539-548.	2.0	14
96	Antisense Libraries to Isolate Tumor Suppressor Genes. , 2003, 222, 399-412.		12
97	Programmed cell death: From novel gene discovery to studies on network connectivity and emerging biomedical implications. <i>Cytokine and Growth Factor Reviews</i> , 2007, 18, 435-440.	3.2	12
98	DAPk silencing by DNA methylation conveys resistance to anti EGFR drugs in lung cancer cells. <i>Cell Cycle</i> , 2012, 11, 2051-2051.	1.3	11
99	Changes in $\chi^2$ , survivin and Bim expression characterize the switch from autophagy to apoptosis in prolonged starvation. <i>Journal of Internal Medicine</i> , 2017, 281, 458-470.	2.7	10
100	A cell death-promoting kinase. , 2001, 8, 824-826.		9
101	Pin-Pointing a New DAP Kinase Function: The Peptidyl-Proly Isomerase Pin1 Is Negatively Regulated by DAP Kinase-Mediated Phosphorylation. <i>Molecular Cell</i> , 2011, 42, 139-141.	4.5	7
102	A cancer associated somatic mutation in LC3B attenuates its binding to E1-like ATG7 protein and subsequent lipidation. <i>Autophagy</i> , 2019, 15, 438-452.	4.3	7
103	Myosin drives autophagy in a pathway linking Atg1 to Atg9. <i>EMBO Journal</i> , 2011, 30, 629-630.	3.5	6
104	The road not taken: A systems level strategy for analyzing the cell death network. <i>Autophagy</i> , 2010, 6, 813-815.	4.3	4
105	AMPK activates DAPK2 to promote autophagy. <i>Oncotarget</i> , 2018, 9, 31570-31571.	0.8	4
106	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. <i>Autophagy</i> , 2018, 14, 925-929.	4.3	3
107	Ser289 phosphorylation activates both DAPK1 and DAPK2 but in response to different intracellular signaling pathways. <i>Cell Cycle</i> , 2019, 18, 1169-1176.	1.3	3
108	DAPk and pyruvate kinase: Unlikely partners in cancer metabolic regulation. <i>Cell Cycle</i> , 2012, 11, 3-4.	1.3	2

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109	Epiblast fragmentation by sheddingâ€”a novel mechanism to eliminate cells in post-implantation mouse embryos. <i>Cell Death and Differentiation</i> , 2022, 29, 1255-1266.	5.0	1
110	A new function for the serine protease HtrA2 in controlling radiationâ€”induced senescence in cancer cells. <i>Molecular Oncology</i> , 2022, 16, 1365-1383.	2.1	1
111	The programmed cell death GLuc PCA library â€” a powerful tool for pathway discovery and drug screening. <i>Molecular and Cellular Oncology</i> , 2014, 1, e969644.	0.3	0
112	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. <i>Autophagy</i> , 2019, 15, 1829-1833.	4.3	0