

Yong J Lee

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114 papers	8,879 citations	40 h-index	93 g-index
118 ext. papers	9,843 ext. citations	5.8 avg, IF	5.44 L-index

#	Paper	IF	Citations
114	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
113	Sulforaphane-induced cell death in human prostate cancer cells is initiated by reactive oxygen species. <i>Journal of Biological Chemistry</i> , 2005 , 280, 19911-24	5.4	290
112	Glucose deprivation-induced oxidative stress in human tumor cells. A fundamental defect in metabolism?. <i>Annals of the New York Academy of Sciences</i> , 2000 , 899, 349-62	6.5	243
111	Diallyl trisulfide-induced apoptosis in human prostate cancer cells involves c-Jun N-terminal kinase and extracellular-signal regulated kinase-mediated phosphorylation of Bcl-2. <i>Oncogene</i> , 2004 , 23, 5594-606	8.2	234
110	Effects of low dose quercetin: cancer cell-specific inhibition of cell cycle progression. <i>Journal of Cellular Biochemistry</i> , 2009 , 106, 73-82	4.7	224
109	Role of glutaredoxin in metabolic oxidative stress. Glutaredoxin as a sensor of oxidative stress mediated by H ₂ O ₂ . <i>Journal of Biological Chemistry</i> , 2002 , 277, 46566-75	5.4	209
108	Role of the IL-6-JAK1-STAT3-Oct-4 pathway in the conversion of non-stem cancer cells into cancer stem-like cells. <i>Cellular Signalling</i> , 2013 , 25, 961-9	4.9	199
107	Glucose deprivation-induced cytotoxicity and alterations in mitogen-activated protein kinase activation are mediated by oxidative stress in multidrug-resistant human breast carcinoma cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 5294-9	5.4	176
106	Astaxanthin protects against MPTP/MPP ⁺ -induced mitochondrial dysfunction and ROS production in vivo and in vitro. <i>Food and Chemical Toxicology</i> , 2011 , 49, 271-80	4.7	150
105	Differential role of glutaredoxin and thioredoxin in metabolic oxidative stress-induced activation of apoptosis signal-regulating kinase 1. <i>Biochemical Journal</i> , 2003 , 373, 845-53	3.8	149
104	Quercetin augments TRAIL-induced apoptotic death: involvement of the ERK signal transduction pathway. <i>Biochemical Pharmacology</i> , 2008 , 75, 1946-58	6	135
103	Ferroptosis-Induced Endoplasmic Reticulum Stress: Cross-talk between Ferroptosis and Apoptosis. <i>Molecular Cancer Research</i> , 2018 , 16, 1073-1076	6.6	105
102	Role of p53, PUMA, and Bax in wogonin-induced apoptosis in human cancer cells. <i>Biochemical Pharmacology</i> , 2008 , 75, 2020-33	6	97
101	Magnolol induces apoptosis via inhibiting the EGFR/PI3K/Akt signaling pathway in human prostate cancer cells. <i>Journal of Cellular Biochemistry</i> , 2009 , 106, 1113-22	4.7	90
100	Role of Bax in quercetin-induced apoptosis in human prostate cancer cells. <i>Biochemical Pharmacology</i> , 2008 , 75, 2345-55	6	82
99	Role of small heat shock protein HSP25 in radioresistance and glutathione-redox cycle. <i>Journal of Cellular Physiology</i> , 2000 , 183, 100-7	7	79
98	Quercetin enhances TRAIL-induced apoptosis in prostate cancer cells via increased protein stability of death receptor 5. <i>Life Sciences</i> , 2010 , 86, 351-7	6.8	78

97	TRAIL apoptosis is enhanced by quercetin through Akt dephosphorylation. <i>Journal of Cellular Biochemistry</i> , 2007 , 100, 998-1009	4.7	75
96	Molecular crosstalk between ferroptosis and apoptosis: emerging role of ER stress-induced p53-independent PUMA expression. <i>Oncotarget</i> , 2017 , 8, 115164-115178	3.3	71
95	Reactive oxygen species up-regulate p53 and Puma; a possible mechanism for apoptosis during combined treatment with TRAIL and wogonin. <i>British Journal of Pharmacology</i> , 2009 , 157, 1189-202	8.6	70
94	Role of galectin-3 in breast cancer metastasis: involvement of nitric oxide. <i>American Journal of Pathology</i> , 2002 , 160, 1069-75	5.8	69
93	Role of the ASK1-SEK1-JNK1-HIPK1 signal in Daxx trafficking and ASK1 oligomerization. <i>Journal of Biological Chemistry</i> , 2003 , 278, 47245-52	5.4	65
92	Sodium nitroprusside enhances TRAIL-induced apoptosis via a mitochondria-dependent pathway in human colorectal carcinoma CX-1 cells. <i>Oncogene</i> , 2001 , 20, 1476-85	9.2	64
91	Flavonoids-induced accumulation of hypoxia-inducible factor (HIF)-1alpha/2alpha is mediated through chelation of iron. <i>Journal of Cellular Biochemistry</i> , 2008 , 103, 1989-98	4.7	63
90	Low glucose-enhanced TRAIL cytotoxicity is mediated through the ceramide-Akt-FLIP pathway. <i>Oncogene</i> , 2002 , 21, 337-46	9.2	61
89	Dissociation of Akt1 from its negative regulator JIP1 is mediated through the ASK1-MEK-JNK signal transduction pathway during metabolic oxidative stress: a negative feedback loop. <i>Journal of Cell Biology</i> , 2005 , 170, 61-72	7.3	61
88	Quercetin-induced ubiquitination and down-regulation of Her-2/neu. <i>Journal of Cellular Biochemistry</i> , 2008 , 105, 585-95	4.7	58
87	Differential cleavage of Mst1 by caspase-7/-3 is responsible for TRAIL-induced activation of the MAPK superfamily. <i>Cellular Signalling</i> , 2008 , 20, 892-906	4.9	57
86	Signal pathway of hypoxia-inducible factor-1alpha phosphorylation and its interaction with von Hippel-Lindau tumor suppressor protein during ischemia in MiaPaCa-2 pancreatic cancer cells. <i>Clinical Cancer Research</i> , 2005 , 11, 7607-13	12.9	56
85	Quercetin suppresses hypoxia-induced accumulation of hypoxia-inducible factor-1alpha (HIF-1alpha) through inhibiting protein synthesis. <i>Journal of Cellular Biochemistry</i> , 2008 , 105, 546-53	4.7	53
84	Evidence for two modes of development of acquired tumor necrosis factor-related apoptosis-inducing ligand resistance. Involvement of Bcl-xL. <i>Journal of Biological Chemistry</i> , 2007 , 282, 319-28	5.4	53
83	Gingerol sensitizes TRAIL-induced apoptotic cell death of glioblastoma cells. <i>Toxicology and Applied Pharmacology</i> , 2014 , 279, 253-265	4.6	50
82	Protection of Chinese Hamster Ovary Cells from Hyperthermic Killing by Cycloheximide or Puromycin. <i>Radiation Research</i> , 1986 , 106, 98	3.1	48
81	Pretreatment of acetylsalicylic acid promotes tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis by down-regulating BCL-2 gene expression. <i>Journal of Biological Chemistry</i> , 2005 , 280, 41047-56	5.4	45
80	Role of Bcl-xL/Beclin-1 in interplay between apoptosis and autophagy in oxaliplatin and bortezomib-induced cell death. <i>Biochemical Pharmacology</i> , 2014 , 88, 178-88	6	43

79	Overexpression of HSP25 reduces the level of TNF alpha-induced oxidative DNA damage biomarker, 8-hydroxy-2'-deoxyguanosine, in L929 cells. <i>Journal of Cellular Physiology</i> , 1998 , 174, 27-34	7	43
78	c-Cbl-mediated degradation of TRAIL receptors is responsible for the development of the early phase of TRAIL resistance. <i>Cellular Signalling</i> , 2010 , 22, 553-63	4.9	42
77	Constitutive HSP70: oligomerization and its dependence on ATP binding. <i>Journal of Cellular Physiology</i> , 1992 , 153, 353-61	7	42
76	Hypoxia-induced bFGF gene expression is mediated through the JNK signal transduction pathway. <i>Molecular and Cellular Biochemistry</i> , 1999 , 202, 1-8	4.2	41
75	Lack of radiosensitization after paclitaxel treatment of three human carcinoma cell lines. <i>Cancer</i> , 1995 , 75, 2262-8	6.4	41
74	Reconstitution of galectin-3 alters glutathione content and potentiates TRAIL-induced cytotoxicity by dephosphorylation of Akt. <i>Experimental Cell Research</i> , 2003 , 288, 21-34	4.2	40
73	HSP90 inhibitor NVP-AUY922 enhances TRAIL-induced apoptosis by suppressing the JAK2-STAT3-Mcl-1 signal transduction pathway in colorectal cancer cells. <i>Cellular Signalling</i> , 2015 , 27, 293-305	4.9	39
72	Amiloride augments TRAIL-induced apoptotic death by inhibiting phosphorylation of kinases and phosphatases associated with the P13K-Akt pathway. <i>Oncogene</i> , 2005 , 24, 355-66	9.2	39
71	Catalase, but not MnSOD, inhibits glucose deprivation-activated ASK1-MEK-MAPK signal transduction pathway and prevents relocalization of Daxx: hydrogen peroxide as a major second messenger of metabolic oxidative stress. <i>Journal of Cellular Biochemistry</i> , 2003 , 90, 304-14	4.7	38
70	Hypoglycemia-induced c-Jun phosphorylation is mediated by c-Jun N-terminal kinase 1 and Lyn kinase in drug-resistant human breast carcinoma MCF-7/ADR cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 11690-3	5.4	37
69	Replicating adenoviral vector-mediated transfer of a heat-inducible double suicide gene for gene therapy. <i>Cancer Gene Therapy</i> , 2001 , 8, 397-404	5.4	33
68	c-Cbl acts as a mediator of Src-induced activation of the PI3K-Akt signal transduction pathway during TRAIL treatment. <i>Cellular Signalling</i> , 2010 , 22, 377-85	4.9	32
67	The role of protein kinase Calpha in U-87 glioma invasion. <i>International Journal of Developmental Neuroscience</i> , 1999 , 17, 447-61	2.7	32
66	Low extracellular pH augments TRAIL-induced apoptotic death through the mitochondria-mediated caspase signal transduction pathway. <i>Experimental Cell Research</i> , 2004 , 293, 129-43	4.2	29
65	Role of Bim in diallyl trisulfide-induced cytotoxicity in human cancer cells. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 118-27	4.7	28
64	Crosstalk Between Apoptosis and Autophagy Is Regulated by the Arginylated BiP/Beclin-1/p62 Complex. <i>Molecular Cancer Research</i> , 2018 , 16, 1077-1091	6.6	26
63	Cancer Stem Cells Protect Non-Stem Cells From Anoikis: Bystander Effects. <i>Journal of Cellular Biochemistry</i> , 2016 , 117, 2289-301	4.7	26
62	Daxx deletion mutant (amino acids 501-625)-induced apoptosis occurs through the JNK/p38-Bax-dependent mitochondrial pathway. <i>Journal of Cellular Biochemistry</i> , 2004 , 92, 1257-70	4.7	26

61	Ferroptosis-inducing agents enhance TRAIL-induced apoptosis through upregulation of death receptor 5. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 928-939	4.7	26
60	Luminescence targeting and imaging using a nanoscale generation 3 dendrimer in an in vivo colorectal metastatic rat model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011 , 7, 249-58	6	25
59	Excess protein in nuclei isolated from heat-shocked cells results from a reduced extractability of nuclear proteins. <i>Journal of Cellular Physiology</i> , 1996 , 167, 369-79	7	25
58	The role of Bcl-xL in synergistic induction of apoptosis by mapatumumab and oxaliplatin in combination with hyperthermia on human colon cancer. <i>Molecular Cancer Research</i> , 2012 , 10, 1567-79	6.6	24
57	Preferential accumulation within tumors and in vivo imaging by functionalized luminescent dendrimer lanthanide complexes. <i>Biomaterials</i> , 2011 , 32, 9343-52	15.6	24
56	Comparison of tumor growth between hsp25- and hsp27-transfected murine L929 cells in nude mice. <i>International Journal of Cancer</i> , 1997 , 72, 871-7	7.5	24
55	Pretreatment of docetaxel enhances TRAIL-mediated apoptosis in prostate cancer cells. <i>Journal of Cellular Biochemistry</i> , 2008 , 104, 1636-46	4.7	24
54	Adenoviral transduction of a cytosine deaminase/thymidine kinase fusion gene into prostate carcinoma cells enhances prodrug and radiation sensitivity. <i>International Journal of Cancer</i> , 1999 , 82, 293-7	7.5	24
53	Dominant-negative Jun N-terminal protein kinase (JNK-1) inhibits metabolic oxidative stress during glucose deprivation in a human breast carcinoma cell line. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 575-84	7.8	23
52	Differences in preferential synthesis and redistribution of HSP70 and HSP28 families by heat or sodium arsenite in Chinese hamster ovary cells. <i>Journal of Cellular Physiology</i> , 1991 , 149, 77-87	7	23
51	Heat-induced bFGF gene expression in the absence of heat shock element correlates with enhanced AP-1 binding activity. <i>Journal of Cellular Physiology</i> , 1995 , 164, 404-13	7	22
50	Differential effect of glucose deprivation on MAPK activation in drug sensitive human breast carcinoma MCF-7 and multidrug resistant MCF-7/ADR cells. <i>Molecular and Cellular Biochemistry</i> , 1997 , 170, 23-30	4.2	21
49	MEKK1/MEKK4 are responsible for TRAIL-induced JNK/p38 phosphorylation. <i>Oncology Reports</i> , 2011 , 25, 537-44	3.5	20
48	Development of acute thermotolerance in L929 cells: lack of HSP28 synthesis and phosphorylation. <i>Journal of Cellular Physiology</i> , 1992 , 152, 118-25	7	20
47	Breast cancer stem cell-like cells are more sensitive to ionizing radiation than non-stem cells: role of ATM. <i>PLoS ONE</i> , 2012 , 7, e50423	3.7	20
46	BAX-dependent mitochondrial pathway mediates the crosstalk between ferroptosis and apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2020 , 25, 625-631	5.4	20
45	Glioma-derived cancer stem cells are hypersensitive to proteasomal inhibition. <i>EMBO Reports</i> , 2017 , 18, 150-168	6.5	19
44	Differential induction of cell death in human glioma cell lines by sodium nitroprusside. <i>Cancer</i> , 1998 , 82, 1137-45	6.4	19

43	Effect of hyperthermia and chemotherapeutic agents on TRAIL-induced cell death in human colon cancer cells. <i>Journal of Cellular Biochemistry</i> , 2008 , 103, 98-109	4.7	17
42	Time sequence of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) and cisplatin treatment is responsible for a complex pattern of synergistic cytotoxicity. <i>Journal of Cellular Biochemistry</i> , 2006 , 98, 1284-95	4.7	16
41	Enhancement of metabolic oxidative stress-induced cytotoxicity by the thioredoxin inhibitor 1-methylpropyl 2-imidazolyl disulfide is mediated through the ASK1-SEK1-JNK1 pathway. <i>Molecular Pharmacology</i> , 2002 , 62, 1409-17	4.3	16
40	Effect of histidine on histidinol-induced heat protection in Chinese hamster ovary cells. <i>Journal of Cellular Physiology</i> , 1990 , 144, 401-7	7	16
39	Effect of hyperthermia in combination with TRAIL on the JNK-Bim signal transduction pathway and growth of xenograft tumors. <i>Journal of Cellular Biochemistry</i> , 2010 , 110, 1073-81	4.7	15
38	Hypoxia and low glucose differentially augments TRAIL-induced apoptotic death. <i>Molecular and Cellular Biochemistry</i> , 2005 , 270, 89-97	4.2	15
37	Thermal response in murine L929 cells lacking alpha B-crystallin expression and alpha B-crystallin expressing L929 transfectants. <i>Molecular and Cellular Biochemistry</i> , 1996 , 155, 51-60	4.2	15
36	Hypoglycemia-induced AP-1 transcription factor and basic fibroblast growth factor gene expression in multidrug resistant human breast carcinoma MCF-7/ADR cells. <i>Molecular and Cellular Biochemistry</i> , 1996 , 155, 163-71	4.2	15
35	Synergistic effects of cytokine and hyperthermia on cytotoxicity in HT-29 cells are not mediated by alteration of induced protein levels. <i>Journal of Cellular Physiology</i> , 1993 , 155, 27-35	7	15
34	Ferroptotic agent-induced endoplasmic reticulum stress response plays a pivotal role in the autophagic process outcome. <i>Journal of Cellular Physiology</i> , 2020 , 235, 6767-6778	7	14
33	PARK7 modulates autophagic proteolysis through binding to the N-terminally arginylated form of the molecular chaperone HSPA5. <i>Autophagy</i> , 2018 , 14, 1870-1885	10.2	14
32	Reconstitution of caspase-3 confers low glucose-enhanced tumor necrosis factor-related apoptosis-inducing ligand cytotoxicity and Akt cleavage. <i>Clinical Cancer Research</i> , 2004 , 10, 1894-900	12.9	13
31	Gene transfer into human prostate adenocarcinoma cells with an adenoviral vector: Hyperthermia enhances a double suicide gene expression, cytotoxicity and radiotoxicity. <i>Cancer Gene Therapy</i> , 2002 , 9, 267-74	5.4	13
30	Thermotolerance expression in mitotic CHO cells without increased translation of heat shock proteins. <i>Journal of Cellular Physiology</i> , 1996 , 169, 420-8	7	13
29	Heat-resistant variants of the Chinese hamster ovary cell: alteration of cellular structure and expression of vimentin. <i>Journal of Cellular Physiology</i> , 1992 , 151, 138-46	7	13
28	Evidence for two modes of synergistic induction of apoptosis by mapatumumab and oxaliplatin in combination with hyperthermia in human colon cancer cells. <i>PLoS ONE</i> , 2013 , 8, e73654	3.7	12
27	Hyperthermia-enhanced TRAIL- and mapatumumab-induced apoptotic death is mediated through mitochondria in human colon cancer cells. <i>Journal of Cellular Biochemistry</i> , 2012 , 113, 1547-58	4.7	12
26	Hyperthermia enhances tumour necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced apoptosis in human cancer cells. <i>International Journal of Hyperthermia</i> , 2006 , 22, 713-28	3.7	12

25	Expression, synthesis, and phosphorylation of HSP28 family during development and decay of thermotolerance in CHO plateau-phase cells. <i>Journal of Cellular Physiology</i> , 1992 , 150, 441-6	7	12
24	Correlation between redistribution of a 26 kDa protein and development of chronic thermotolerance in various mammalian cell lines. <i>Journal of Cellular Physiology</i> , 1990 , 145, 324-32	7	12
23	Heat protectors and heat-induced preferential redistribution of 26 and 70 kDa proteins in Chinese hamster ovary cells. <i>Journal of Cellular Physiology</i> , 1989 , 141, 510-6	7	11
22	TRAIL-Induced Caspase Activation Is a Prerequisite for Activation of the Endoplasmic Reticulum Stress-Induced Signal Transduction Pathways. <i>Journal of Cellular Biochemistry</i> , 2016 , 117, 1078-91	4.7	10
21	Role of Bcl-xL/Beclin-1 in synergistic apoptotic effects of secretory TRAIL-armed adenovirus in combination with mitomycin C and hyperthermia on colon cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014 , 19, 1603-15	5.4	9
20	Effect of hyperthermia on TRAIL-induced apoptotic death in human colon cancer cells: development of a novel strategy for regional therapy. <i>Journal of Cellular Biochemistry</i> , 2007 , 101, 619-30	4.7	9
19	Effect of thermotolerance on heat-induced excess nuclear-associated proteins. <i>Journal of Cellular Physiology</i> , 1993 , 156, 171-81	7	9
18	Secretory TRAIL-Armed Natural Killer Cell-Based Therapy: In Vitro and In Vivo Colorectal Peritoneal Carcinomatosis Xenograft. <i>Molecular Cancer Therapeutics</i> , 2016 , 15, 1591-601	6.1	9
17	Cooperative interaction between interleukin 10 and galectin-3 against liver ischemia-reperfusion injury. <i>Clinical Cancer Research</i> , 2002 , 8, 217-20	12.9	9
16	Effect of UV irradiation on colorectal cancer cells with acquired TRAIL resistance. <i>Journal of Cellular Biochemistry</i> , 2008 , 104, 1172-80	4.7	7
15	TRAIL and ceramide. <i>Vitamins and Hormones</i> , 2004 , 67, 229-55	2.5	7
14	Hypoxia Promotes Synergy between Mitomycin C and Bortezomib through a Coordinated Process of Bcl-xL Phosphorylation and Mitochondrial Translocation of p53. <i>Molecular Cancer Research</i> , 2015 , 13, 1533-43	6.6	5
13	Inhibition of protein synthesis and heat protection: histidinol-resistant mutant cell lines. <i>Journal of Cellular Physiology</i> , 1991 , 149, 396-402	7	5
12	TRAIL-induced caspase/p38 activation is responsible for the increased catalytic and invasive activities of Akt. <i>International Journal of Oncology</i> , 2011 , 38, 249-56	4.4	5
11	Effect of tunicamycin on glycosylation of a 50 kDa protein and thermotolerance development. <i>Journal of Cellular Physiology</i> , 1991 , 149, 202-7	7	4
10	Examination of the molecular basis for the lack of alphaB-crystallin expression in L929 cells. <i>Molecular and Cellular Biochemistry</i> , 1997 , 170, 31-42	4.2	3
9	Synergistic apoptosis following endoplasmic reticulum stress aggravation in mucinous colon cancer. <i>Orphanet Journal of Rare Diseases</i> , 2020 , 15, 211	4.2	3
8	The anti-fibrotic drug pirfenidone inhibits liver fibrosis by targeting the small oxidoreductase glutaredoxin-1. <i>Science Advances</i> , 2021 , 7, eabg9241	14.3	3

- 7 The emerging role of selenium metabolic pathways in cancer: New therapeutic targets for cancer..
Journal of Cellular Biochemistry, **2021**, 4-7 3
- 6 Improved chemosensitivity following mucolytic therapy in patient-derived models of mucinous
appendix cancer. *Translational Research*, **2021**, 229, 100-114 11 2
- 5 Glucose deprivation-induced endoplasmic reticulum stress response plays a pivotal role in
enhancement of TRAIL cytotoxicity. *Journal of Cellular Physiology*, **2021**, 236, 6666-6677 7 2
- 4 Low glucose-enhanced TRAIL cytotoxicity is mediated through the ceramide/Akt/ILIP pathway 1
- 3 The interplay between apoptosis and ferroptosis mediated by ER stress. *Apoptosis: an International
Journal on Programmed Cell Death*, **2020**, 25, 783 5-4 0
- 2 Analysis of heat-shock transcription factor and element-binding activity. *Methods in Molecular
Biology*, **2002**, 196, 131-8 1-4
- 1 Biological Aspects of Endoplasmic Reticulum Stress in Ferroptosis **2019**, 83-98