

Han-Ming Shen

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232
papers

23,559
citations

76
h-index

150
g-index

245
ext. papers

26,404
ext. citations

8
avg, IF

6.93
L-index

#	Paper	IF	Citations
232	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
231	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
230	Dual role of 3-methyladenine in modulation of autophagy via different temporal patterns of inhibition on class I and III phosphoinositide 3-kinase. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10850-61	5.4	774
229	Luteolin, a flavonoid with potential for cancer prevention and therapy. <i>Current Cancer Drug Targets</i> , 2008 , 8, 634-46	2.8	601
228	JNK signaling pathway is a key modulator in cell death mediated by reactive oxygen and nitrogen species. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 928-39	7.8	491
227	Anti-cancer properties of anthraquinones from rhubarb. <i>Medicinal Research Reviews</i> , 2007 , 27, 609-30	14.4	420
226	Critical roles of intracellular thiols and calcium in parthenolide-induced apoptosis in human colorectal cancer cells. <i>Cancer Letters</i> , 2004 , 208, 143-53	9.9	388
225	Haem-activated promiscuous targeting of artemisinin in Plasmodium falciparum. <i>Nature Communications</i> , 2015 , 6, 10111	17.4	353
224	Tumor necrosis factor-induced nonapoptotic cell death requires receptor-interacting protein-mediated cellular reactive oxygen species accumulation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10822-8	5.4	330
223	Dual role of autophagy in hallmarks of cancer. <i>Oncogene</i> , 2018 , 37, 1142-1158	9.2	288
222	Targeting the Endocytic Pathway and Autophagy Process as a Novel Therapeutic Strategy in COVID-19. <i>International Journal of Biological Sciences</i> , 2020 , 16, 1724-1731	11.2	275
221	Activation of lysosomal function in the course of autophagy via mTORC1 suppression and autophagosome-lysosome fusion. <i>Cell Research</i> , 2013 , 23, 508-23	24.7	274
220	At the end of the autophagic road: an emerging understanding of lysosomal functions in autophagy. <i>Trends in Biochemical Sciences</i> , 2014 , 39, 61-71	10.3	261
219	Autophagic cell death: Loch Ness monster or endangered species?. <i>Autophagy</i> , 2011 , 7, 457-65	10.2	260
218	Anti-cancer potential of sesquiterpene lactones: bioactivity and molecular mechanisms. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2005 , 5, 239-49		259
217	TNF receptor superfamily-induced cell death: redox-dependent execution. <i>FASEB Journal</i> , 2006 , 20, 1589-98	9.9	251
216	Detection of elevated reactive oxygen species level in cultured rat hepatocytes treated with aflatoxin B1. <i>Free Radical Biology and Medicine</i> , 1996 , 21, 139-46	7.8	246

215	NFkappaB signaling in carcinogenesis and as a potential molecular target for cancer therapy. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009 , 14, 348-63	5.4	238
214	Detection of oxidative DNA damage in human sperm and its association with sperm function and male infertility. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 529-36	7.8	212
213	Design and synthesis of minimalist terminal alkyne-containing diazirine photo-crosslinkers and their incorporation into kinase inhibitors for cell- and tissue-based proteome profiling. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8551-6	16.4	208
212	Critical role of reactive oxygen species and mitochondrial permeability transition in microcystin-induced rapid apoptosis in rat hepatocytes. <i>Hepatology</i> , 2000 , 32, 547-55	11.2	202
211	Highly Efficient Threonine-Derived Organocatalysts for Direct Asymmetric Aldol Reactions in Water. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 812-816	5.6	200
210	Long non-coding RNA linc00673 regulated non-small cell lung cancer proliferation, migration, invasion and epithelial mesenchymal transition by sponging miR-150-5p. <i>Molecular Cancer</i> , 2017 , 16, 118	42.1	188
209	Activation of the PI3K-Akt-mTOR signaling pathway promotes necrotic cell death via suppression of autophagy. <i>Autophagy</i> , 2009 , 5, 824-34	10.2	175
208	Aflatoxin B1-induced lipid peroxidation in rat liver. <i>Toxicology and Applied Pharmacology</i> , 1994 , 127, 145-50	4.0	165
207	AMPK-Dependent Phosphorylation of GAPDH Triggers Sirt1 Activation and Is Necessary for Autophagy upon Glucose Starvation. <i>Molecular Cell</i> , 2015 , 60, 930-40	17.6	155
206	Autophagy plays a protective role during zVAD-induced necrotic cell death. <i>Autophagy</i> , 2008 , 4, 457-66	10.2	152
205	The associations among semen quality, oxidative DNA damage in human spermatozoa and concentrations of cadmium, lead and selenium in seminal plasma. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003 , 534, 155-63	3	147
204	Studies on oxidative damage induced by cyanobacteria extract in primary cultured rat hepatocytes. <i>Environmental Research</i> , 1998 , 78, 12-8	7.9	143
203	Aflatoxin B1-induced 8-hydroxydeoxyguanosine formation in rat hepatic DNA. <i>Carcinogenesis</i> , 1995 , 16, 419-22	4.6	143
202	Vanadate induces p53 transactivation through hydrogen peroxide and causes apoptosis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 32516-22	5.4	142
201	Critical role of pro-apoptotic Bcl-2 family members in andrographolide-induced apoptosis in human cancer cells. <i>Biochemical Pharmacology</i> , 2006 , 72, 132-44	6	141
200	Sodium selenite-induced oxidative stress and apoptosis in human hepatoma HepG2 cells. <i>International Journal of Cancer</i> , 1999 , 81, 820-8	7.5	138
199	Identification and characterization of major flavonoids and caffeoylquinic acids in three Compositae plants by LC/DAD-APCI/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 848, 215-25	3.2	136
198	A novel autophagy/mitophagy inhibitor liensinine sensitizes breast cancer cells to chemotherapy through DNM1L-mediated mitochondrial fission. <i>Autophagy</i> , 2015 , 11, 1259-79	10.2	132

197	zVAD-induced necroptosis in L929 cells depends on autocrine production of TNF α mediated by the PKC-MAPKs-AP-1 pathway. <i>Cell Death and Differentiation</i> , 2011 , 18, 26-37	12.7	130
196	Detection of oxidative DNA damage in human sperm and the association with cigarette smoking. <i>Reproductive Toxicology</i> , 1997 , 11, 675-80	3.4	126
195	Proteomic analysis of colorectal cancer reveals alterations in metabolic pathways: mechanism of tumorigenesis. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 1119-30	7.6	126
194	Essential roles of receptor-interacting protein and TRAF2 in oxidative stress-induced cell death. <i>Molecular and Cellular Biology</i> , 2004 , 24, 5914-22	4.8	126
193	Detection of apoptotic alterations in sperm in subfertile patients and their correlations with sperm quality. <i>Human Reproduction</i> , 2002 , 17, 1266-73	5.7	126
192	Isorhynchophylline, a natural alkaloid, promotes the degradation of alpha-synuclein in neuronal cells via inducing autophagy. <i>Autophagy</i> , 2012 , 8, 98-108	10.2	125
191	Salvia miltiorrhiza inhibits cell growth and induces apoptosis in human hepatoma HepG(2) cells. <i>Cancer Letters</i> , 2000 , 153, 85-93	9.9	125
190	Induction of autophagy by palmitic acid via protein kinase C-mediated signaling pathway independent of mTOR (mammalian target of rapamycin). <i>Journal of Biological Chemistry</i> , 2012 , 287, 14364-76	5.4	124
189	Inhibitory effect of emodin on tumor invasion through suppression of activator protein-1 and nuclear factor-kappaB. <i>Biochemical Pharmacology</i> , 2004 , 68, 361-71	6	120
188	Artemisinin as an anticancer drug: Recent advances in target profiling and mechanisms of action. <i>Medicinal Research Reviews</i> , 2017 , 37, 1492-1517	14.4	119
187	Mutations of the p53 tumor suppressor gene and ras oncogenes in aflatoxin hepatocarcinogenesis. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1996 , 366, 23-44		118
186	Hydrogen sulfide protects HUVECs against hydrogen peroxide induced mitochondrial dysfunction and oxidative stress. <i>PLoS ONE</i> , 2013 , 8, e53147	3.7	115
185	Critical role of reactive oxygen species formation in microcystin-induced cytoskeleton disruption in primary cultured hepatocytes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2001 , 64, 507-19	3.2	115
184	Histone deacetylase inhibitors induce autophagy through FOXO1-dependent pathways. <i>Autophagy</i> , 2015 , 11, 629-42	10.2	112
183	Involvement of reactive oxygen species in aflatoxin B1-induced cell injury in cultured rat hepatocytes. <i>Toxicology</i> , 1995 , 99, 115-23	4.4	108
182	Emodin inhibits tumor cell adhesion through disruption of the membrane lipid Raft-associated integrin signaling pathway. <i>Cancer Research</i> , 2006 , 66, 5807-15	10.1	107
181	Cadmium-induced oxidative cellular damage in human fetal lung fibroblasts (MRC-5 cells). <i>Environmental Health Perspectives</i> , 1997 , 105, 712-6	8.4	105
180	Genotoxicity of microcystic cyanobacteria extract of a water source in China. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999 , 442, 69-77	3	101

179	Differential regulatory functions of three classes of phosphatidylinositol and phosphoinositide 3-kinases in autophagy. <i>Autophagy</i> , 2015 , 11, 1711-28	10.2	99
178	Superoxide radical-initiated apoptotic signalling pathway in selenite-treated HepG(2) cells: mitochondria serve as the main target. <i>Free Radical Biology and Medicine</i> , 2001 , 30, 9-21	7.8	98
177	Andrographolide sensitizes cancer cells to TRAIL-induced apoptosis via p53-mediated death receptor 4 up-regulation. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 2170-80	6.1	96
176	A novel function of poly(ADP-ribose) polymerase-1 in modulation of autophagy and necrosis under oxidative stress. <i>Cell Death and Differentiation</i> , 2009 , 16, 264-77	12.7	94
175	Artesunate induces cell death in human cancer cells via enhancing lysosomal function and lysosomal degradation of ferritin. <i>Journal of Biological Chemistry</i> , 2014 , 289, 33425-41	5.4	93
174	Ebselen induces apoptosis in HepG(2) cells through rapid depletion of intracellular thiols. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 374, 142-52	4.1	93
173	Cucurbitacin induces autophagy through mitochondrial ROS production which counteracts to limit caspase-dependent apoptosis. <i>Autophagy</i> , 2012 , 8, 559-76	10.2	91
172	To die or to live: the dual role of poly(ADP-ribose) polymerase-1 in autophagy and necrosis under oxidative stress and DNA damage. <i>Autophagy</i> , 2009 , 5, 273-6	10.2	90
171	Dual role of glutathione in selenite-induced oxidative stress and apoptosis in human hepatoma cells. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 1115-24	7.8	90
170	Curcumin targets the TFEB-lysosome pathway for induction of autophagy. <i>Oncotarget</i> , 2016 , 7, 75659-75671	5.7	90
169	Calpain activation after mitochondrial permeability transition in microcystin-induced cell death in rat hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 291, 321-31	3.4	89
168	Protein kinase C inhibition and x-linked inhibitor of apoptosis protein degradation contribute to the sensitization effect of luteolin on tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis in cancer cells. <i>Cancer Research</i> , 2005 , 65, 7815-23	10.1	88
167	Inhibition of the JAK-STAT3 pathway by andrographolide enhances chemosensitivity of cancer cells to doxorubicin. <i>Biochemical Pharmacology</i> , 2010 , 79, 1242-50	6	87
166	Suppressed NF-kappaB and sustained JNK activation contribute to the sensitization effect of parthenolide to TNF-alpha-induced apoptosis in human cancer cells. <i>Carcinogenesis</i> , 2004 , 25, 2191-9	4.6	87
165	Protective effect of ebselen against hydrogen peroxide-induced cytotoxicity and DNA damage in HepG2 cells. <i>Biochemical Pharmacology</i> , 1999 , 57, 273-9	6	87
164	Luteolin sensitizes tumor necrosis factor-alpha-induced apoptosis in human tumor cells. <i>Oncogene</i> , 2004 , 23, 7712-21	9.2	84
163	A JNK-mediated autophagy pathway that triggers c-IAP degradation and necroptosis for anticancer chemotherapy. <i>Oncogene</i> , 2014 , 33, 3004-13	9.2	81
162	Andrographolide sensitizes cisplatin-induced apoptosis via suppression of autophagosome-lysosome fusion in human cancer cells. <i>Autophagy</i> , 2012 , 8, 338-49	10.2	81

161	c-Jun N-terminal kinase mediates hydrogen peroxide-induced cell death via sustained poly(ADP-ribose) polymerase-1 activation. <i>Cell Death and Differentiation</i> , 2007 , 14, 1001-10	12.7	81
160	IKKbeta programs to turn on the GADD45alpha-MKK4-JNK apoptotic cascade specifically via p50 NF-kappaB in arsenite response. <i>Journal of Cell Biology</i> , 2006 , 175, 607-17	7.3	81
159	Role of intracellular thiol depletion, mitochondrial dysfunction and reactive oxygen species in <i>Salvia miltiorrhiza</i> -induced apoptosis in human hepatoma HepG2 cells. <i>Life Sciences</i> , 2001 , 69, 1833-50	6.8	80
158	Critical role of CAV1/caveolin-1 in cell stress responses in human breast cancer cells via modulation of lysosomal function and autophagy. <i>Autophagy</i> , 2015 , 11, 769-84	10.2	77
157	PTEN-L is a novel protein phosphatase for ubiquitin dephosphorylation to inhibit PINK1-Parkin-mediated mitophagy. <i>Cell Research</i> , 2018 , 28, 787-802	24.7	76
156	20(S)-Ginsenoside Rg3 is a novel inhibitor of autophagy and sensitizes hepatocellular carcinoma to doxorubicin. <i>Oncotarget</i> , 2014 , 5, 4438-51	3.3	75
155	Luteolin sensitizes the anticancer effect of cisplatin via c-Jun NH2-terminal kinase-mediated p53 phosphorylation and stabilization. <i>Molecular Cancer Therapeutics</i> , 2007 , 6, 1338-47	6.1	75
154	Emodin inhibits tumor cell migration through suppression of the phosphatidylinositol 3-kinase-Cdc42/Rac1 pathway. <i>Cellular and Molecular Life Sciences</i> , 2005 , 62, 1167-75	10.3	75
153	Novel anti-apoptotic mechanism of A20 through targeting ASK1 to suppress TNF-induced JNK activation. <i>Cell Death and Differentiation</i> , 2010 , 17, 1830-41	12.7	73
152	A quantitative chemical proteomics approach to profile the specific cellular targets of andrographolide, a promising anticancer agent that suppresses tumor metastasis. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 876-86	7.6	72
151	Hydrogen sulfide protects colon cancer cells from chemopreventative agent beta-phenylethyl isothiocyanate induced apoptosis. <i>World Journal of Gastroenterology</i> , 2005 , 11, 3990-7	5.6	72
150	Mechanism-Guided Design and Synthesis of a Mitochondria-Targeting Artemisinin Analogue with Enhanced Anticancer Activity. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13770-13774	16.4	72
149	Pharmacological inhibitors of autophagy as novel cancer therapeutic agents. <i>Pharmacological Research</i> , 2016 , 105, 164-75	10.2	71
148	Chrysin sensitizes tumor necrosis factor-alpha-induced apoptosis in human tumor cells via suppression of nuclear factor-kappaB. <i>Cancer Letters</i> , 2010 , 293, 109-16	9.9	71
147	Benzene metabolites enhance reactive oxygen species generation in HL60 human leukemia cells. <i>Human and Experimental Toxicology</i> , 1996 , 15, 422-7	3.4	69
146	Targeted metabolomics reveals differential biological effects of nanoplastics and nanoZnO in human lung cells. <i>Nanotoxicology</i> , 2019 , 13, 1117-1132	5.3	68
145	The role of autophagy in liver cancer: molecular mechanisms and potential therapeutic targets. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2013 , 1836, 15-26	11.2	68
144	Enhanced autophagy from chronic toxicity of iron and mutant A53T β synuclein: implications for neuronal cell death in Parkinson disease. <i>Journal of Biological Chemistry</i> , 2011 , 286, 33380-9	5.4	68

143	Involvement of proapoptotic Bcl-2 family members in parthenolide-induced mitochondrial dysfunction and apoptosis. <i>Cancer Letters</i> , 2004 , 211, 175-88	9.9	68
142	Autophagy is a cell self-protective mechanism against arsenic-induced cell transformation. <i>Toxicological Sciences</i> , 2012 , 130, 298-308	4.4	67
141	Autophagy is a survival force via suppression of necrotic cell death. <i>Experimental Cell Research</i> , 2012 , 318, 1304-8	4.2	65
140	(-)-Epigallocatechin-3-gallate induces non-apoptotic cell death in human cancer cells via ROS-mediated lysosomal membrane permeabilization. <i>PLoS ONE</i> , 2012 , 7, e46749	3.7	63
139	Critical role of calcium overloading in cadmium-induced apoptosis in mouse thymocytes. <i>Toxicology and Applied Pharmacology</i> , 2001 , 171, 12-9	4.6	61
138	Intracellular thiol depletion causes mitochondrial permeability transition in ebselen-induced apoptosis. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 380, 319-30	4.1	61
137	Mechanistic Investigation of the Specific Anticancer Property of Artemisinin and Its Combination with Aminolevulinic Acid for Enhanced Anticancer Activity. <i>ACS Central Science</i> , 2017 , 3, 743-750	16.8	60
136	Luteolin induces G1 arrest in human nasopharyngeal carcinoma cells via the Akt-GSK-3 β -Cyclin D1 pathway. <i>Cancer Letters</i> , 2010 , 298, 167-75	9.9	60
135	Impaired autophagy due to constitutive mTOR activation sensitizes TSC2-null cells to cell death under stress. <i>Autophagy</i> , 2011 , 7, 1173-86	10.2	58
134	Critical role of oxidative stress and sustained JNK activation in aloe-emodin-mediated apoptotic cell death in human hepatoma cells. <i>Carcinogenesis</i> , 2007 , 28, 1937-45	4.6	58
133	In situ Proteomic Profiling of Curcumin Targets in HCT116 Colon Cancer Cell Line. <i>Scientific Reports</i> , 2016 , 6, 22146	4.9	56
132	Chemopreventive activity of parthenolide against UVB-induced skin cancer and its mechanisms. <i>Carcinogenesis</i> , 2004 , 25, 1449-58	4.6	55
131	Pivotal role of mitochondrial Ca ²⁺ in microcystin-induced mitochondrial permeability transition in rat hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 285, 1155-61	3.4	54
130	Critical role of AMPK in redox regulation under glucose starvation. <i>Redox Biology</i> , 2019 , 25, 101154	11.3	53
129	Mapping sites of aspirin-induced acetylations in live cells by quantitative acid-cleavable activity-based protein profiling (QA-ABPP). <i>Scientific Reports</i> , 2015 , 5, 7896	4.9	53
128	STX17 dynamically regulated by Fis1 induces mitophagy via hierarchical macroautophagic mechanism. <i>Nature Communications</i> , 2019 , 10, 2059	17.4	52
127	CCAAT/enhancer binding protein β predicts poorer prognosis and prevents energy starvation-induced cell death in hepatocellular carcinoma. <i>Hepatology</i> , 2015 , 61, 965-78	11.2	52
126	Chrysin promotes tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) induced apoptosis in human cancer cell lines. <i>Toxicology in Vitro</i> , 2011 , 25, 630-5	3.6	52

125	mTOR complex 2 targets Akt for proteasomal degradation via phosphorylation at the hydrophobic motif. <i>Journal of Biological Chemistry</i> , 2011 , 286, 14190-8	5.4	52
124	Individual and Area Level Socioeconomic Status and Its Association with Cognitive Function and Cognitive Impairment (Low MMSE) among Community-Dwelling Elderly in Singapore. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2012 , 2, 529-42	2.5	51
123	Targeting p53 as a therapeutic strategy in sensitizing TRAIL-induced apoptosis in cancer cells. <i>Cancer Letters</i> , 2012 , 314, 8-23	9.9	49
122	Development of a novel method for quantification of autophagic protein degradation by AHA labeling. <i>Autophagy</i> , 2014 , 10, 901-12	10.2	48
121	Autophagy: resetting glutamine-dependent metabolism and oxygen consumption. <i>Autophagy</i> , 2012 , 8, 1477-93	10.2	47
120	Hepatitis B virus infection contributes to oxidative stress in a population exposed to aflatoxin B1 and high-risk for hepatocellular carcinoma. <i>Cancer Letters</i> , 2008 , 263, 212-22	9.9	46
119	Cadmium-induced apoptosis and phenotypic changes in mouse thymocytes. <i>Molecular and Cellular Biochemistry</i> , 2001 , 222, 11-20	4.2	46
118	Importance of ROS-mediated autophagy in determining apoptotic cell death induced by physalubescin B. <i>Redox Biology</i> , 2017 , 12, 198-207	11.3	44
117	Post-translational Modifications of Key Machinery in the Control of Mitophagy. <i>Trends in Biochemical Sciences</i> , 2020 , 45, 58-75	10.3	43
116	PHF20 regulates NF- κ B signalling by disrupting recruitment of PP2A to p65. <i>Nature Communications</i> , 2013 , 4, 2062	17.4	42
115	Biomarkers for male reproductive health hazards: are they available?. <i>Toxicology Letters</i> , 2002 , 134, 17-30	10.4	42
114	Importance of TFEB acetylation in control of its transcriptional activity and lysosomal function in response to histone deacetylase inhibitors. <i>Autophagy</i> , 2018 , 14, 1043-1059	10.2	41
113	Selenite-induced toxicity in cancer cells is mediated by metabolic generation of endogenous selenium nanoparticles. <i>Journal of Proteome Research</i> , 2015 , 14, 1127-36	5.6	41
112	Polyphyllin I induces mitophagic and apoptotic cell death in human breast cancer cells by increasing mitochondrial PINK1 levels. <i>Oncotarget</i> , 2017 , 8, 10359-10374	3.3	40
111	Reactive oxygen species and caspase activation mediate silica-induced apoptosis in alveolar macrophages. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 280, L10-7	5.8	40
110	Involvement of oxidative stress in crystalline silica-induced cytotoxicity and genotoxicity in rat alveolar macrophages. <i>Environmental Research</i> , 2000 , 82, 245-52	7.9	39
109	Critical role of SCD1 in autophagy regulation via lipogenesis and lipid rafts-coupled AKT-FOXO1 signaling pathway. <i>Autophagy</i> , 2014 , 10, 226-42	10.2	38
108	Exposure to acrylonitrile induced DNA strand breakage and sex chromosome aneuploidy in human spermatozoa. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003 , 537, 93-100	3	38

107	Effect of <i>Salvia miltiorrhiza</i> on aflatoxin B1-induced oxidative stress in cultured rat hepatocytes. <i>Free Radical Research</i> , 1999 , 31, 559-68	4	37
106	Microcystic cyanobacteria causes mitochondrial membrane potential alteration and reactive oxygen species formation in primary cultured rat hepatocytes. <i>Environmental Health Perspectives</i> , 1998 , 106, 409-13	8.4	36
105	A role of autophagy in PTP4A3-driven cancer progression. <i>Autophagy</i> , 2014 , 10, 1787-800	10.2	35
104	Inhibition of ebselen on aflatoxin B(1)-induced hepatocarcinogenesis in Fischer 344 rats. <i>Carcinogenesis</i> , 2000 , 21, 2237-43	4.6	35
103	The ALS-FTD-linked gene product, C9orf72, regulates neuronal morphogenesis via autophagy. <i>Autophagy</i> , 2019 , 15, 827-842	10.2	34
102	Down-regulation of c-FLIP contributes to the sensitization effect of 3,3Rdiindolylmethane on TRAIL-induced apoptosis in cancer cells. <i>Molecular Cancer Therapeutics</i> , 2005 , 4, 1972-81	6.1	34
101	Epigenetic silencing of glutaminase 2 in human liver and colon cancers. <i>BMC Cancer</i> , 2013 , 13, 601	4.8	33
100	A small-molecule protein-protein interaction inhibitor of PARP1 that targets its BRCT domain. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2515-9	16.4	33
99	Nonradioactive quantification of autophagic protein degradation with L-azidohomoalanine labeling. <i>Nature Protocols</i> , 2017 , 12, 279-288	18.8	32
98	Does the increase of 8-hydroxydeoxyguanosine lead to poor sperm quality?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1997 , 381, 77-82	3.3	32
97	Critical role of Bid and Bax in indirubin-3Rmonoxime-induced apoptosis in human cancer cells. <i>Biochemical Pharmacology</i> , 2008 , 75, 1729-42	6	31
96	Targeting the potent Beclin 1-UVRAG coiled-coil interaction with designed peptides enhances autophagy and endolysosomal trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5669-E5678	11.5	30
95	Intracellular glutathione is a cofactor in methylseleninic acid-induced apoptotic cell death of human hepatoma HEPG(2) cells. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 552-61	7.8	30
94	Protein kinase SGK1 enhances MEK/ERK complex formation through the phosphorylation of ERK2: implication for the positive regulatory role of SGK1 on the ERK function during liver regeneration. <i>Journal of Hepatology</i> , 2009 , 51, 67-76	13.4	29
93	Knowledge and beliefs on corneal donation in Singapore adults. <i>British Journal of Ophthalmology</i> , 2005 , 89, 835-40	5.5	29
92	Andrographolide simultaneously augments Nrf2 antioxidant defense and facilitates autophagic flux blockade in cigarette smoke-exposed human bronchial epithelial cells. <i>Toxicology and Applied Pharmacology</i> , 2018 , 360, 120-130	4.6	29
91	Individual and area-level socioeconomic status and their association with depression amongst community-dwelling elderly in Singapore. <i>Aging and Mental Health</i> , 2014 , 18, 628-41	3.5	28
90	AMPK mediates a pro-survival autophagy downstream of PARP-1 activation in response to DNA alkylating agents. <i>FEBS Letters</i> , 2013 , 587, 170-7	3.8	28

89	The role of autophagy in liver diseases: mechanisms and potential therapeutic targets. <i>BioMed Research International</i> , 2015 , 2015, 480508	3	28
88	Quantitative chemical proteomics profiling of de novo protein synthesis during starvation-mediated autophagy. <i>Autophagy</i> , 2016 , 12, 1931-1944	10.2	28
87	Hypericin photoactivation triggers down-regulation of matrix metalloproteinase-9 expression in well-differentiated human nasopharyngeal cancer cells. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 979-88	10.3	27
86	Target identification with quantitative activity based protein profiling (ABPP). <i>Proteomics</i> , 2017 , 17, 1600-1612	10.2	26
85	Generation of transgenic zebrafish with liver-specific expression of EGFP-Lc3: a new in vivo model for investigation of liver autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 422, 268-73	3.4	26
84	Protection of salvia miltiorrhiza against aflatoxin-B1-induced hepatocarcinogenesis in Fischer 344 rats dual mechanisms involved. <i>Life Sciences</i> , 2001 , 69, 309-26	6.8	26
83	Suppression of autophagy during mitosis via CUL4-RING ubiquitin ligases-mediated WIPI2 polyubiquitination and proteasomal degradation. <i>Autophagy</i> , 2019 , 15, 1917-1934	10.2	25
82	Quercetin induces p53-independent cancer cell death through lysosome activation by the transcription factor EB and Reactive Oxygen Species-dependent ferroptosis. <i>British Journal of Pharmacology</i> , 2021 , 178, 1133-1148	8.6	25
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