

# Han-Ming Shen

## List of Publications by Year in descending order

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237  
papers

29,434  
citations

4960

84  
h-index

5255

165  
g-index

245  
all docs

245  
docs citations

245  
times ranked

44783  
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.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	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, 10850-10861.	3.4	942
4	Luteolin, a Flavonoid with Potential for Cancer Prevention and Therapy. <i>Current Cancer Drug Targets</i> , 2008, 8, 634-646.	1.6	855
5	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, 928-939.	2.9	562
6	Haem-activated promiscuous targeting of artemisinin in <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , 2015, 6, 10111.	12.8	486
7	Anti-cancer properties of anthraquinones from rhubarb. <i>Medicinal Research Reviews</i> , 2007, 27, 609-630.	10.5	483
8	Critical roles of intracellular thiols and calcium in parthenolide-induced apoptosis in human colorectal cancer cells. <i>Cancer Letters</i> , 2004, 208, 143-153.	7.2	440
9	Dual role of autophagy in hallmarks of cancer. <i>Oncogene</i> , 2018, 37, 1142-1158.	5.9	403
10	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, 10822-10828.	3.4	368
11	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.	6.4	351
12	Activation of lysosomal function in the course of autophagy via mTORC1 suppression and autophagosome-lysosome fusion. <i>Cell Research</i> , 2013, 23, 508-523.	12.0	340
13	Anti-Cancer Potential of Sesquiterpene Lactones: Bioactivity and Molecular Mechanisms. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2005, 5, 239-249.	7.0	309
14	Autophagic cell death: Loch Ness monster or endangered species?. <i>Autophagy</i> , 2011, 7, 457-465.	9.1	298
15	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.	7.5	295
16	Detection of elevated reactive oxygen species level in cultured rat hepatocytes treated with aflatoxin B1. <i>Free Radical Biology and Medicine</i> , 1996, 21, 139-146.	2.9	282
17	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, 8551-8556.	13.8	281
18	TNF receptor superfamily-induced cell death: redox-dependent execution. <i>FASEB Journal</i> , 2006, 20, 1589-1598.	0.5	274

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19	NF $\kappa$ B signaling in carcinogenesis and as a potential molecular target for cancer therapy. Apoptosis: an International Journal on Programmed Cell Death, 2009, 14, 348-363.	4.9	260
20	Long non-coding RNA linc00673 regulated non-small cell lung cancer proliferation, migration, invasion and epithelial mesenchymal transition by sponging miR-150-5p. Molecular Cancer, 2017, 16, 118.	19.2	251
21	Detection of oxidative DNA damage in human sperm and its association with sperm function and male infertility. Free Radical Biology and Medicine, 2000, 28, 529-536.	2.9	243
22	AMPK-Dependent Phosphorylation of GAPDH Triggers Sirt1 Activation and Is Necessary for Autophagy upon Glucose Starvation. Molecular Cell, 2015, 60, 930-940.	9.7	222
23	Critical Role of Reactive Oxygen Species and Mitochondrial Permeability Transition in Microcystin-Induced Rapid Apoptosis in Rat Hepatocytes. Hepatology, 2000, 32, 547-555.	7.3	216
24	Highly Efficient Threonine-Derived Organocatalysts for Direct Asymmetric Aldol Reactions in Water. Advanced Synthesis and Catalysis, 2007, 349, 812-816.	4.3	207
25	A novel autophagy/mitophagy inhibitor liensinine sensitizes breast cancer cells to chemotherapy through DNML1-mediated mitochondrial fission. Autophagy, 2015, 11, 1259-1279.	9.1	201
26	Activation of the PI3K-Akt-mTOR signaling pathway promotes necrotic cell death via suppression of autophagy. Autophagy, 2009, 5, 824-834.	9.1	200
27	Aflatoxin B1-Induced Lipid Peroxidation in Rat Liver. Toxicology and Applied Pharmacology, 1994, 127, 145-150.	2.8	186
28	Artemisinin as an anticancer drug: Recent advances in target profiling and mechanisms of action. Medicinal Research Reviews, 2017, 37, 1492-1517.	10.5	178
29	The associations among semen quality, oxidative DNA damage in human spermatozoa and concentrations of cadmium, lead and selenium in seminal plasma. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2003, 534, 155-163.	1.7	175
30	Identification and characterization of major flavonoids and caffeoylquinic acids in three Compositae plants by LC/DAD-APCI/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 848, 215-225.	2.3	169
31	Mito $\omega$ Bomb: Targeting Mitochondria for Cancer Therapy. Advanced Materials, 2021, 33, e2007778.	21.0	168
32	Autophagy plays a protective role during zVAD-induced necrotic cell death. Autophagy, 2008, 4, 457-466.	9.1	165
33	Vanadate Induces p53 Transactivation through Hydrogen Peroxide and Causes Apoptosis. Journal of Biological Chemistry, 2000, 275, 32516-32522.	3.4	163
34	Sodium selenite-induced oxidative stress and apoptosis in human hepatoma HepG2 cells. , 1999, 81, 820-828.		161
35	zVAD-induced necroptosis in L929 cells depends on autocrine production of TNF $\alpha$ mediated by the PKC $\beta$ -MAPKs $\beta$ -AP-1 pathway. Cell Death and Differentiation, 2011, 18, 26-37.	11.2	160
36	Isorhynchophylline, a natural alkaloid, promotes the degradation of alpha-synuclein in neuronal cells via inducing autophagy. Autophagy, 2012, 8, 98-108.	9.1	156

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37	Histone deacetylase inhibitors induce autophagy through FOXO1-dependent pathways. <i>Autophagy</i> , 2015, 11, 629-642.	9.1	155
38	Aflatoxin B1-induced 8-hydroxydeoxyguanosine formation in rat hepatic DNA. <i>Carcinogenesis</i> , 1995, 16, 419-422.	2.8	153
39	Critical role of pro-apoptotic Bcl-2 family members in andrographolide-induced apoptosis in human cancer cells. <i>Biochemical Pharmacology</i> , 2006, 72, 132-144.	4.4	153
40	Studies on Oxidative Damage Induced by Cyanobacteria Extract in Primary Cultured Rat Hepatocytes. <i>Environmental Research</i> , 1998, 78, 12-18.	7.5	151
41	Detection of apoptotic alterations in sperm in subfertile patients and their correlations with sperm quality. <i>Human Reproduction</i> , 2002, 17, 1266-1273.	0.9	150
42	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, 14364-14376.	3.4	144
43	Differential regulatory functions of three classes of phosphatidylinositol and phosphoinositide 3-kinases in autophagy. <i>Autophagy</i> , 2015, 11, 1711-1728.	9.1	143
44	Detection of oxidative dna damage in human sperm and the association with cigarette smoking. <i>Reproductive Toxicology</i> , 1997, 11, 675-680.	2.9	141
45	Hydrogen Sulfide Protects HUVECs against Hydrogen Peroxide Induced Mitochondrial Dysfunction and Oxidative Stress. <i>PLoS ONE</i> , 2013, 8, e53147.	2.5	141
46	Essential Roles of Receptor-Interacting Protein and TRAF2 in Oxidative Stress-Induced Cell Death. <i>Molecular and Cellular Biology</i> , 2004, 24, 5914-5922.	2.3	139
47	Proteomic Analysis of Colorectal Cancer Reveals Alterations in Metabolic Pathways. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1119-1130.	3.8	139
48	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.	2.9	138
49	Salvia miltiorrhiza inhibits cell growth and induces apoptosis in human hepatoma HepG2 cells. <i>Cancer Letters</i> , 2000, 153, 85-93.	7.2	135
50	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, 507-519.	2.3	131
51	Inhibitory effect of emodin on tumor invasion through suppression of activator protein-1 and nuclear factor- $\kappa$ B. <i>Biochemical Pharmacology</i> , 2004, 68, 361-371.	4.4	128
52	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, 33425-33441.	3.4	128
53	Targeted metabolomics reveals differential biological effects of nanoplastics and nanoZnO in human lung cells. <i>Nanotoxicology</i> , 2019, 13, 1117-1132.	3.0	125
54	PTEN-L is a novel protein phosphatase for ubiquitin dephosphorylation to inhibit PINK1-mediated mitophagy. <i>Cell Research</i> , 2018, 28, 787-802.	12.0	124

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55	Involvement of reactive oxygen species in aflatoxin B1-induced cell injury in cultured rat hepatocytes. <i>Toxicology</i> , 1995, 99, 115-123.	4.2	119
56	Critical role of AMPK in redox regulation under glucose starvation. <i>Redox Biology</i> , 2019, 25, 101154.	9.0	118
57	Cadmium-induced oxidative cellular damage in human fetal lung fibroblasts (MRC-5 cells).. <i>Environmental Health Perspectives</i> , 1997, 105, 712-716.	6.0	117
58	Emodin Inhibits Tumor Cell Adhesion through Disruption of the Membrane Lipid Raft-Associated Integrin Signaling Pathway. <i>Cancer Research</i> , 2006, 66, 5807-5815.	0.9	117
59	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.	5.4	113
60	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, 769-784.	9.1	112
61	Amelioration of Alzheimer's disease pathology by mitophagy inducers identified via machine learning and a cross-species workflow. <i>Nature Biomedical Engineering</i> , 2022, 6, 76-93.	22.5	110
62	Genotoxicity of microcystic cyanobacteria extract of a water source in China. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 442, 69-77.	1.7	109
63	Superoxide radical-initiated apoptotic signalling pathway in selenite-treated HepG2 cells: mitochondria serve as the main target. <i>Free Radical Biology and Medicine</i> , 2001, 30, 9-21.	2.9	109
64	Cucurbitacin induces autophagy through mitochondrial ROS production which counteracts to limit caspase-dependent apoptosis. <i>Autophagy</i> , 2012, 8, 559-576.	9.1	107
65	Curcumin targets the TFEB-lysosome pathway for induction of autophagy. <i>Oncotarget</i> , 2016, 7, 75659-75671.	1.8	107
66	Andrographolide sensitizes cancer cells to TRAIL-induced apoptosis via p53-mediated death receptor 4 up-regulation. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2170-2180.	4.1	106
67	Dual role of glutathione in selenite-induced oxidative stress and apoptosis in human hepatoma cells. <i>Free Radical Biology and Medicine</i> , 2000, 28, 1115-1124.	2.9	105
68	Inhibition of the JAK-STAT3 pathway by andrographolide enhances chemosensitivity of cancer cells to doxorubicin. <i>Biochemical Pharmacology</i> , 2010, 79, 1242-1250.	4.4	103
69	A JNK-mediated autophagy pathway that triggers c-IAP degradation and necroptosis for anticancer chemotherapy. <i>Oncogene</i> , 2014, 33, 3004-3013.	5.9	102
70	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, 264-277.	11.2	101
71	Andrographolide sensitizes cisplatin-induced apoptosis via suppression of autophagosome-lysosome fusion in human cancer cells. <i>Autophagy</i> , 2012, 8, 338-349.	9.1	100
72	Suppressed NF- $\kappa$ B 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, 2191-2199.	2.8	99

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73	Ebselen Induces Apoptosis in HepG2 Cells through Rapid Depletion of Intracellular Thiols. Archives of Biochemistry and Biophysics, 2000, 374, 142-152.	3.0	98
74	IKK $\beta$ programs to turn on the GADD45 $\beta$ -MKK4-JNK apoptotic cascade specifically via p50 NF- $\kappa$ B in arsenite response. Journal of Cell Biology, 2006, 175, 607-617.	5.2	98
75	Calpain Activation after Mitochondrial Permeability Transition in Microcystin-Induced Cell Death in Rat Hepatocytes. Biochemical and Biophysical Research Communications, 2002, 291, 321-331.	2.1	97
76	To die or to live: the dual role of poly(ADP-ribose) polymerase-1 in autophagy and necrosis under oxidative stress and DNA damage. Autophagy, 2009, 5, 273-276.	9.1	97
77	Protective effect of ebselen against hydrogen peroxide-induced cytotoxicity and DNA damage in HepG2 cells. Biochemical Pharmacology, 1999, 57, 273-279.	4.4	96
78	Luteolin sensitizes tumor necrosis factor- $\alpha$ -induced apoptosis in human tumor cells. Oncogene, 2004, 23, 7712-7721.	5.9	95
79	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. Cancer Research, 2005, 65, 7815-7823.	0.9	93
80	20(S)-Ginsenoside Rg3 is a novel inhibitor of autophagy and sensitizes hepatocellular carcinoma to doxorubicin. Oncotarget, 2014, 5, 4438-4451.	1.8	92
81	c-Jun N-terminal kinase mediates hydrogen peroxide-induced cell death via sustained poly(ADP-ribose) polymerase-1 activation. Cell Death and Differentiation, 2007, 14, 1001-1010.	11.2	90
82	STX17 dynamically regulated by Fis1 induces mitophagy via hierarchical macroautophagic mechanism. Nature Communications, 2019, 10, 2059.	12.8	90
83	Chrysin sensitizes tumor necrosis factor- $\alpha$ -induced apoptosis in human tumor cells via suppression of nuclear factor- $\kappa$ B. Cancer Letters, 2010, 293, 109-116.	7.2	89
84	Mechanism-Guided Design and Synthesis of a Mitochondria-Targeting Artemisinin Analogue with Enhanced Anticancer Activity. Angewandte Chemie - International Edition, 2016, 55, 13770-13774.	13.8	89
85	A Quantitative Chemical Proteomics Approach to Profile the Specific Cellular Targets of Andrographolide, a Promising Anticancer Agent That Suppresses Tumor Metastasis. Molecular and Cellular Proteomics, 2014, 13, 876-886.	3.8	88
86	Hydrogen sulfide protects colon cancer cells from chemopreventative agent $\beta$ -phenylethyl isothiocyanate induced apoptosis. World Journal of Gastroenterology, 2005, 11, 3990.	3.3	87
87	Full-coverage regulations of autophagy by ROS: from induction to maturation. Autophagy, 2022, 18, 1240-1255.	9.1	87
88	Role of intracellular thiol depletion, mitochondrial dysfunction and reactive oxygen species in Salvia Miltiorrhiza-induced apoptosis in human hepatoma HepG2 cells. Life Sciences, 2001, 69, 1833-1850.	4.3	86
89	Mechanistic Investigation of the Specific Anticancer Property of Artemisinin and Its Combination with Aminolevulinic Acid for Enhanced Anticancer Activity. ACS Central Science, 2017, 3, 743-750.	11.3	86
90	Novel anti-apoptotic mechanism of A20 through targeting ASK1 to suppress TNF-induced JNK activation. Cell Death and Differentiation, 2010, 17, 1830-1841.	11.2	84

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91	Celastrol induces ferroptosis in activated HSCs to ameliorate hepatic fibrosis via targeting peroxiredoxins and HO-1. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2300-2314.	12.0	84
92	Emodin inhibits tumor cell migration through suppression of the phosphatidylinositol 3-kinase-Cdc42/Rac1 pathway. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 1167-1175.	5.4	83
93	Autophagy Is a Cell Self-Protective Mechanism Against Arsenic-Induced Cell Transformation. <i>Toxicological Sciences</i> , 2012, 130, 298-308.	3.1	83
94	In situ Proteomic Profiling of Curcumin Targets in HCT116 Colon Cancer Cell Line. <i>Scientific Reports</i> , 2016, 6, 22146.	3.3	83
95	Pharmacological inhibitors of autophagy as novel cancer therapeutic agents. <i>Pharmacological Research</i> , 2016, 105, 164-175.	7.1	83
96	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, 1338-1347.	4.1	82
97	Enhanced Autophagy from Chronic Toxicity of Iron and Mutant A53T $\alpha$ -Synuclein. <i>Journal of Biological Chemistry</i> , 2011, 286, 33380-33389.	3.4	82
98	Benzene metabolites enhance reactive oxygen species generation in HL60 human leukemia cells. <i>Human and Experimental Toxicology</i> , 1996, 15, 422-427.	2.2	79
99	Involvement of proapoptotic Bcl-2 family members in parthenolide-induced mitochondrial dysfunction and apoptosis. <i>Cancer Letters</i> , 2004, 211, 175-188.	7.2	77
100	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.	7.4	76
101	Post-translational Modifications of Key Machinery in the Control of Mitophagy. <i>Trends in Biochemical Sciences</i> , 2020, 45, 58-75.	7.5	71
102	Autophagy is a survival force via suppression of necrotic cell death. <i>Experimental Cell Research</i> , 2012, 318, 1304-1308.	2.6	70
103	Luteolin induces G1 arrest in human nasopharyngeal carcinoma cells via the Akt-GSK-3 $\beta$ -Cyclin D1 pathway. <i>Cancer Letters</i> , 2010, 298, 167-175.	7.2	69
104	Importance of TFEB acetylation in control of its transcriptional activity and lysosomal function in response to histone deacetylase inhibitors. <i>Autophagy</i> , 2018, 14, 1-17.	9.1	68
105	( $\alpha$ )-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.	2.5	68
106	Autophagy. <i>Autophagy</i> , 2012, 8, 1477-1493.	9.1	67
107	Impaired autophagy due to constitutive mTOR activation sensitizes TSC2-null cells to cell death under stress. <i>Autophagy</i> , 2011, 7, 1173-1186.	9.1	66
108	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.	3.3	66



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109	Intracellular Thiol Depletion Causes Mitochondrial Permeability Transition in Ebselen-Induced Apoptosis. <i>Archives of Biochemistry and Biophysics</i> , 2000, 380, 319-330.	3.0	65
110	Chemopreventive activity of parthenolide against UVB-induced skin cancer and its mechanisms. <i>Carcinogenesis</i> , 2004, 25, 1449-1458.	2.8	65
111	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, 529-542.	1.3	65
112	CCAAT/enhancer binding protein $\beta$ predicts poorer prognosis and prevents energy starvation-induced cell death in hepatocellular carcinoma. <i>Hepatology</i> , 2015, 61, 965-978.	7.3	65
113	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, 1937-1945.	2.8	64
114	The ALS-FTD-linked gene product, C9orf72, regulates neuronal morphogenesis via autophagy. <i>Autophagy</i> , 2019, 15, 827-842.	9.1	64
115	Pivotal Role of Mitochondrial Ca <sup>2+</sup> in Microcystin-Induced Mitochondrial Permeability Transition in Rat Hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 1155-1161.	2.1	62
116	Targeting p53 as a therapeutic strategy in sensitizing TRAIL-induced apoptosis in cancer cells. <i>Cancer Letters</i> , 2012, 314, 8-23.	7.2	62
117	Critical Role of Calcium Overloading in Cadmium-Induced Apoptosis in Mouse Thymocytes. <i>Toxicology and Applied Pharmacology</i> , 2001, 171, 12-19.	2.8	61
118	mTOR Complex 2 Targets Akt for Proteasomal Degradation via Phosphorylation at the Hydrophobic Motif. <i>Journal of Biological Chemistry</i> , 2011, 286, 14190-14198.	3.4	61
119	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, 630-635.	2.4	59
120	Critical role of SCD1 in autophagy regulation via lipogenesis and lipid rafts-coupled AKT-FOXO1 signaling pathway. <i>Autophagy</i> , 2014, 10, 226-242.	9.1	57
121	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.	1.8	56
122	Mono-2-ethylhexyl phthalate drives progression of PINK1-parkin-mediated mitophagy via increasing mitochondrial ROS to exacerbate cytotoxicity. <i>Redox Biology</i> , 2021, 38, 101776.	9.0	56
123	Impairment of the autophagy-lysosomal pathway in Alzheimer's diseases: Pathogenic mechanisms and therapeutic potential. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1019-1040.	12.0	56
124	PHF20 regulates NF- $\kappa$ B signalling by disrupting recruitment of PP2A to p65. <i>Nature Communications</i> , 2013, 4, 2062.	12.8	54
125	Development of a novel method for quantification of autophagic protein degradation by AHA labeling. <i>Autophagy</i> , 2014, 10, 901-912.	9.1	54
126	Selenite-Induced Toxicity in Cancer Cells Is Mediated by Metabolic Generation of Endogenous Selenium Nanoparticles. <i>Journal of Proteome Research</i> , 2015, 14, 1127-1136.	3.7	54



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127	Biomarkers for Male Reproductive health hazards: Are they available?. Toxicology Letters, 2002, 134, 17-30.	0.8	52
128	Hepatitis B virus infection contributes to oxidative stress in a population exposed to aflatoxin B1 and high-risk for hepatocellular carcinoma. Cancer Letters, 2008, 263, 212-222.	7.2	52
129	Importance of ROS-mediated autophagy in determining apoptotic cell death induced by physapubescin B. Redox Biology, 2017, 12, 198-207.	9.0	51
130	Reactive oxygen species and caspase activation mediate silica-induced apoptosis in alveolar macrophages. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L10-L17.	2.9	49
131	Knowledge and beliefs on corneal donation in Singapore adults. British Journal of Ophthalmology, 2005, 89, 835-840.	3.9	49
132	Cadmium-induced apoptosis and phenotypic changes in mouse thymocytes. Molecular and Cellular Biochemistry, 2001, 222, 11-20.	3.1	48
133	Nonradioactive quantification of autophagic protein degradation with L-azidohomoalanine labeling. Nature Protocols, 2017, 12, 279-288.	12.0	48
134	Effect of Salvia miltiorrhiza on aflatoxin B1-induced oxidative stress in cultured rat hepatocytes. Free Radical Research, 1999, 31, 559-568.	3.3	45
135	Target identification with quantitative activity based protein profiling (ABPP). Proteomics, 2017, 17, 1600212.	2.2	45
136	Targeting the potent Beclin 1-UVRAG coiled-coil interaction with designed peptides enhances autophagy and endolysosomal trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5669-E5678.	7.1	45
137	Suppression of autophagy during mitosis via CUL4-RING ubiquitin ligases-mediated WIPI2 polyubiquitination and proteasomal degradation. Autophagy, 2019, 15, 1917-1934.	9.1	45
138	Exposure to acrylonitrile induced DNA strand breakage and sex chromosome aneuploidy in human spermatozoa. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2003, 537, 93-100.	1.7	44
139	Microcystic cyanobacteria causes mitochondrial membrane potential alteration and reactive oxygen species formation in primary cultured rat hepatocytes.. Environmental Health Perspectives, 1998, 106, 409-413.	6.0	43
140	Involvement of Oxidative Stress in Crystalline Silica-Induced Cytotoxicity and Genotoxicity in Rat Alveolar Macrophages. Environmental Research, 2000, 82, 245-252.	7.5	43
141	Inhibition of ebselen on aflatoxin B1-induced hepatocarcinogenesis in Fischer 344 rats. Carcinogenesis, 2000, 21, 2237-2243.	2.8	41
142	Andrographolide simultaneously augments Nrf2 antioxidant defense and facilitates autophagic flux blockade in cigarette smoke-exposed human bronchial epithelial cells. Toxicology and Applied Pharmacology, 2018, 360, 120-130.	2.8	41
143	Myricetin inhibits NLRP3 inflammasome activation via reduction of ROS-dependent ubiquitination of ASC and promotion of ROS-independent NLRP3 ubiquitination. Toxicology and Applied Pharmacology, 2019, 365, 19-29.	2.8	41
144	Ticagrelor inhibits the NLRP3 inflammasome to protect against inflammatory disease independent of the P2Y12 signaling pathway. Cellular and Molecular Immunology, 2021, 18, 1278-1289.	10.5	41

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145	A role of autophagy in PTP4A3-driven cancer progression. <i>Autophagy</i> , 2014, 10, 1787-1800.	9.1	40
146	A degradative to secretory autophagy switch mediates mitochondria clearance in the absence of the mATG8-conjugation machinery. <i>Nature Communications</i> , 2022, 13, .	12.8	40
147	Epigenetic silencing of glutaminase 2 in human liver and colon cancers. <i>BMC Cancer</i> , 2013, 13, 601.	2.6	39
148	Intracellular glutathione is a cofactor in methylseleninic acid-induced apoptotic cell death of human hepatoma HEPG2 cells. <i>Free Radical Biology and Medicine</i> , 2002, 33, 552-561.	2.9	38
149	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, 628-641.	2.8	38
150	A Small Molecule Proteinâ€“Protein Interaction Inhibitor of PARP1 That Targets Its BRCT Domain. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2515-2519.	13.8	38
151	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.	1.0	37
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