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**Mammalian caspases: structure, activation, substrates, and functions during apoptosis**

**DOI: 10.1146/annurev.biochem.68.1.383**

**Annual Review of Biochemistry, 1999, 68, 383-424.**

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2288	Fate of desmosomal proteins in apoptotic epidermal cells. <i>Methods in Molecular Biology</i> , <b>2005</b> , 289, 175-224	5	
2287	Tanshinone I effectively induces apoptosis in estrogen receptor-positive (MCF-7) and estrogen receptor-negative (MDA-MB-231) breast cancer cells. <b>1992</b> , 33, 485	8	
2286	Characterization of caspase processing and activation in HL-60 cell cytosol under cell-free conditions. Nucleotide requirement and inhibitor profile. <b>1999</b> , 274, 22635-45	57	
2285	Comparison of paclitaxel-, 5-fluoro-2'-deoxyuridine-, and epidermal growth factor (EGF)-induced apoptosis. Evidence for EGF-induced anoikis. <b>1999</b> , 274, 15927-36	68	
2284	Serine/threonine-specific protein phosphatases and cancer. <b>2000</b> , 4, 581-608	3	
2283	Translocation of Bax to mitochondria during apoptosis measured by laser scanning cytometry. <b>2000</b> , 41, 83-88	55	
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742	Functional characterization of SAG/RBX2/ROC2/RNF7, an antioxidant protein and an E3 ubiquitin ligase. <b>2013</b> , 4, 103-16	54

741	Anti-tumor activity of <i>Swietenia mahagoni</i> (L.) Jacq. leaf extract against Ehrlich's ascites carcinoma in mice. <b>2013</b> , 13, 205-216	3
740	A component of gamma-radiation-induced cell death in <i>E. coli</i> is programmed and interlinked with activation of caspase-3 and SOS response. <b>2013</b> , 195, 545-57	9
739	CoCl <sub>2</sub> induces apoptosis through the mitochondria- and death receptor-mediated pathway in the mouse embryonic stem cells. <b>2013</b> , 379, 133-40	30
738	In vitro anticancer activity of natural $\beta$ -carotene from <i>Dunaliella salina</i> EU5891199 in PC-3 cells. <b>2013</b> , 3, 99-105	37
737	Myosin 16 levels fluctuate during the cell cycle and are downregulated in response to DNA replication stress. <b>2013</b> , 70, 328-48	17
736	Effect of extracts from <i>Phyllanthus watsonii</i> Airy Shaw on cell apoptosis in cultured human breast cancer MCF-7 cells. <b>2013</b> , 65, 341-9	22
735	The metacaspase gene family of <i>Vitis vinifera</i> L.: characterization and differential expression during ovule abortion in stenospermocarpic seedless grapes. <b>2013</b> , 528, 267-76	35
734	Thermosensitive hydrogel made of ferulic acid-gelatin and chitosan glycerophosphate. <b>2013</b> , 92, 1512-9	38
733	Silibinin reverses drug resistance in human small-cell lung carcinoma cells. <b>2013</b> , 339, 102-6	32
732	Mitochondrial complex I inhibitors, acetogenins, induce HepG2 cell death through the induction of the complete apoptotic mitochondrial pathway. <b>2013</b> , 45, 153-64	29
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726	The ER luminal binding protein (BiP) alleviates Cd(2+)-induced programmed cell death through endoplasmic reticulum stress-cell death signaling pathway in tobacco cells. <b>2013</b> , 170, 1434-41	40
725	Mechanisms of radiation toxicity in transformed and non-transformed cells. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 15931-58	6.3 64
724	Active caspase-3 is stored within secretory compartments of viable mast cells. <b>2013</b> , 191, 1445-52	20



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396	Corn silk maysin ameliorates obesity in vitro and in vivo via suppression of lipogenesis, differentiation, and function of adipocytes. <b>2017</b> , 93, 267-275	12
395	Modulation of procaspase-7 self-activation by PEST amino acid residues of the N-terminal prodomain and intersubunit linker. <b>2017</b> , 95, 634-643	
394	Differential cellular immune response of Galleria mellonella to Actinobacillus pleuropneumoniae. <b>2017</b> , 370, 153-168	22
393	The single IGF-1 partial deficiency is responsible for mitochondrial dysfunction and is restored by IGF-1 replacement therapy. <b>2017</b> , 35, 21-32	7
392	Ketamine-induced apoptosis in the mouse cerebral cortex follows similar characteristic of physiological apoptosis and can be regulated by neuronal activity. <b>2017</b> , 10, 24	17
391	Effects of trigonelline inhibition of the Nrf2 transcription factor in vitro on Echinococcus granulosus. <b>2017</b> , 49, 696-705	7
390	Ceramide phosphoethanolamine synthase SMSr is a target of caspase-6 during apoptotic cell death. <b>2017</b> , 37,	4
389	Identification of cleavage of NS5A of C-strain classical swine fever virus. <b>2017</b> , 162, 391-400	1
388	Cell death mechanistic study of photodynamic therapy against breast cancer cells utilizing liposomal delivery of 5,10,15,20-tetrakis(benzo[b]thiophene) porphyrin. <b>2017</b> , 166, 116-125	16
387	Senescence, Apoptosis, and Cancer. <b>2017</b> , 183-196	1
386	AMPK-ULK1-Mediated Autophagy Confers Resistance to BET Inhibitor JQ1 in Acute Myeloid Leukemia Stem Cells. <b>2017</b> , 23, 2781-2794	65
385	Cell-cycle involvement in autophagy and apoptosis in yeast. <b>2017</b> , 161, 211-224	29
384	Caspase-1 from the silkworm, Bombyx mori, is involved in Bombyx mori nucleopolyhedrovirus infection. <b>2017</b> , 72, 147-153	6
383	Oxidative stress and gene expression profiling of cell death pathways in alpha-cypermethrin-treated SH-SY5Y cells. <b>2017</b> , 91, 2151-2164	29
382	Brain-Derived Neurotrophic Factor Facilitates Functional Recovery from ALS-Cerebral Spinal Fluid-Induced Neurodegenerative Changes in the NSC-34 Motor Neuron Cell Line. <b>2017</b> , 17, 44-58	31

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379	A Type III Effector NleF from EHEC Inhibits Epithelial Inflammatory Cell Death by Targeting Caspase-4. <b>2017</b> , 2017, 4101745	10
378	Whole-Exome-Sequencing Reveals Small Deletions in CASP14 in Patients with Autosomal Recessive Inherited Ichthyosis. <b>2017</b> , 97, 102-104	19
377	Processing and Degradation of Cellular Components. <b>2017</b> , 393-405	
376	Visual function improvement using photocromic and selective blue-violet light filtering spectacle lenses in patients affected by retinal diseases. <b>2017</b> , 17, 149	9
375	Melatonin ameliorates restraint stress-induced oxidative stress and apoptosis in testicular cells via NF- $\kappa$ B/iNOS and Nrf2/ HO-1 signaling pathway. <b>2017</b> , 7, 9599	62
374	Apoptotic induction and inhibition of NF- $\kappa$ B signaling pathway in human prostatic cancer PC3 cells by natural compound 2,2'-oxybis (4-allyl-1-methoxybenzene), biseugenol B, from : an in vitro study. <b>2017</b> , 10, 277-294	9
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372	Genome-wide identification, characterization, and transcriptional analysis of the metacaspase gene family in cucumber ( <i>Cucumis sativus</i> ). <b>2018</b> , 61, 187-194	11
371	Role of glutathione, ROS, and Bcl-xL in the inhibition of apoptosis of monocyte-derived dendritic cells by <i>Leishmania mexicana</i> promastigotes. <b>2018</b> , 117, 1225-1235	4
370	The impact of acute thermal stress on green mussel <i>Perna viridis</i> : Oxidative damage and responses. <b>2018</b> , 222, 7-15	28
369	Protease Specificity Profiling in a Pipet Tip Using "Charge-Synchronized" Proteome-Derived Peptide Libraries. <b>2018</b> , 17, 1923-1933	11
368	Research progress on the immune mechanism of the silkworm <i>Bombyx mori</i> . <b>2018</b> , 43, 159-168	4
367	Genome-wide identification of barley MCs (metacaspases) and their possible roles in boron-induced programmed cell death. <b>2018</b> , 45, 211-225	16
366	Simultaneous detection of nucleotide excision repair events and apoptosis-induced DNA fragmentation in genotoxin-treated cells. <b>2018</b> , 8, 2265	6
365	Betulinic acid induces DNA damage and apoptosis in SiHa cells. <b>2018</b> , 828, 1-9	15
364	An upconversion nanoparticle-based fluorescence resonance energy transfer system for effectively sensing caspase-3 activity. <b>2018</b> , 143, 761-767	21

363	Virus-induced apoptosis and phosphorylation form of metacaspase in the marine coccolithophorid <i>Emiliana huxleyi</i> . <b>2018</b> , 200, 413-422		4
362	Inhibitor of the human telomerase reverse transcriptase (hTERT) gene promoter induces cell apoptosis via a mitochondrial-dependent pathway. <b>2018</b> , 145, 370-378		20
361	Multifaceted Implantable Anticancer Device for Potential Postsurgical Breast Cancer Treatment: A Single Platform for Synergistic Inhibition of Local Regional Breast Cancer Recurrence, Surveillance, and Healthy Breast Reconstruction. <b>2018</b> , 28, 1704793		23
360	Caspase-1 Specific Light-Up Probe with Aggregation-Induced Emission Characteristics for Inhibitor Screening of Coumarin-Originated Natural Products. <b>2018</b> , 10, 12173-12180		22
359	Plant Programmed Cell Death. <i>Methods in Molecular Biology</i> , <b>2018</b> ,	1.4	1
358	Measurement of the Caspase-1-Like Activity of Vacuolar Processing Enzyme in Plants. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1743, 163-171	1.4	1
357	Understanding postmortem biochemical processes and post-harvest aging factors to develop novel smart-aging strategies. <b>2018</b> , 144, 74-90		60
356	Comparative in vitro investigation of anticancer copper chelating agents. <b>2018</b> , 136, 227-235		15
355	The first tropical sea cucumber caspase-8 from <i>Holothuria leucospilota</i> : Molecular characterization, involvement of apoptosis and inducible expression by immune challenge. <b>2018</b> , 72, 124-131		12
354	Caspase cleavage of transcription factor Sp1 enhances apoptosis. <b>2018</b> , 23, 65-78		15
353	Muscle proteins. <b>2018</b> , 127-148		11
352	Multiparametric Analysis of Apoptosis by Flow Cytometry. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1678, 167-202	1.4	22
351	3D matrix-embedding inhibits cycloheximide-mediated sensitization to TNF-alpha-induced apoptosis of human endothelial cells. <b>2018</b> , 12, 1085-1096		2
350	Insulin-producing cells derived from 'induced pluripotent stem cells' of patients with fulminant type 1 diabetes: Vulnerability to cytokine insults and increased expression of apoptosis-related genes. <b>2017</b> , 9, 481		20
349	Prophylactic effects of triptolide on colon cancer development in azoxymethane/dextran sulfate sodium-induced mouse model. <b>2018</b> , 16, 2659		1
348	DEMYSTIFYING THE ETHNOMEDICINAL PLANT MORINDA PUBESCENS WITH ETHNOPHARMACOLOGICAL, PHYTOCHEMICAL, AND PHARMACOTOXICOLOGICAL EVIDENCE. <b>2018</b> , 1-6		1
347	A Hemocyanin-Derived Antimicrobial Peptide (Peptide B11) Attenuates Cancer Cells' Proliferation. <b>2018</b> , 23,		10
346	Knockdown of DNA/RNA-binding protein KIN17 promotes apoptosis of triple-negative breast cancer cells. <b>2019</b> , 17, 288-293		6

345	Azithromycin Promotes the Osteogenic Differentiation of Human Periodontal Ligament Stem Cells after Stimulation with TNF-. <b>2018</b> , 2018, 7961962		8
344	Antitumor effects of arsenic disulfide on the viability, migratory ability, apoptosis and autophagy of breast cancer cells. <b>2019</b> , 41, 27-42		9
343	Follistatin-like protein 5 inhibits hepatocellular carcinoma progression by inducing caspase-dependent apoptosis and regulating Bcl-2 family proteins. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 6190-6201	5.6	11
342	Anti-inflammatory and Proapoptotic Properties of the Natural Compound o-Orsellinaldehyde. <b>2018</b> , 66, 10952-10963		3
341	Physiological effects of various light spectra on oxidative stress by starvation in olive flounder, <i>Paralichthys olivaceus</i> . <b>2018</b> , 14, 399-408		9
340	A novel effector caspase (Caspase-3/7-1) involved in the regulation of immune homeostasis in Chinese mitten crab <i>Eriocheir sinensis</i> . <b>2018</b> , 83, 76-83		12
339	The Histone Deacetylase Inhibitor Valproic Acid Exerts a Synergistic Cytotoxicity with the DNA-Damaging Drug Ellipticine in Neuroblastoma Cells. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	13
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337	Anti-cancer effect of bee venom on human MDA-MB-231 breast cancer cells using Raman spectroscopy. <b>2018</b> , 9, 5703-5718		22
336	The toxicity and therapeutic effects of single-and multi-wall carbon nanotubes on mice breast cancer. <b>2018</b> , 8, 8375		55
335	Local apoptotic-like mechanisms underlie complement-mediated synaptic pruning. <b>2018</b> , 115, 6303-6308		73
334	Arsenic disulfide-induced apoptosis and its potential mechanism in two- and three-dimensionally cultured human breast cancer MCF-7 cells. <b>2018</b> , 52, 1959-1971		4
333	Hepatoprotective Activity of Vitamin E and Metallothionein in Cadmium-Induced Liver Injury in. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 9506543	6.7	11
332	Mechanism and Interaction of Nanoparticle-Induced Programmed Cell Death in Plants. <b>2018</b> , 175-196		3
331	Sesquiterpene lactone from <i>Artemisia argyi</i> induces gastric carcinoma cell apoptosis via activating NADPH oxidase/reactive oxygen species/mitochondrial pathway. <b>2018</b> , 837, 164-170		9
330	Emodin, Physcion, and Crude Extract of var. Induce Mixed Cell Death, Increase in Oxidative Stress, DNA Damage, and Inhibition of AKT in Cervical and Oral Squamous Carcinoma Cell Lines. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 2390234	6.7	14
329	The CaspBase: a curated database for evolutionary biochemical studies of caspase functional divergence and ancestral sequence inference. <b>2018</b> , 27, 1857-1870		10
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327	Lrcasp9 shares similarity in structural motifs with human caspase-9 and is activated following bacterial infection and anti-viral vaccination. <b>2018</b> , 8, 340	0
326	Chlorogenic Acid Prevents AMPA-Mediated Excitotoxicity in Optic Nerve Oligodendrocytes Through a PKC and Caspase-Dependent Pathways. <b>2018</b> , 34, 559-573	10
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324	Oxidative stress responses of <i>Mytilus galloprovincialis</i> to acute cold and heat during air exposure. <b>2018</b> , 84, 285-292	21
323	Thymoquinone induces apoptosis in bladder cancer cell via endoplasmic reticulum stress-dependent mitochondrial pathway. <b>2018</b> , 292, 65-75	42
322	Changes in apoptosis factors and activation of caspase-3 in tilapia muscle during storage. <b>2018</b> , 21, 1800-1810	3
321	Varacin-1, a novel analog of varacin C, induces p53-independent apoptosis in cancer cells through ROS-mediated reduction of XIAP. <b>2019</b> , 40, 222-230	2
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318	A novel caspase-1 mediates inflammatory responses and pyroptosis in sea cucumber <i>Apostichopus japonicus</i> . <b>2019</b> , 513, 734399	4
317	The Molecular Evolution and Functional Divergence of Lamprey Programmed Cell Death Genes. <b>2019</b> , 10, 1382	16
316	Metacaspase-3 of <i>Plasmodium falciparum</i> : An atypical trypsin-like serine protease. <b>2019</b> , 138, 309-320	3
315	Protective effect of <i>Ziziphora clinopodioides</i> flavonoids against HO-induced oxidative stress in HUVEC cells. <b>2019</b> , 117, 109156	24
314	Identification and characterization of caspase-7 in pufferfish ( <i>Takifugu obscurus</i> ) in response to bacterial infection and cell apoptosis. <b>2019</b> , 512, 734268	5
313	Effect of cryopreservation on sperm DNA fragmentation and apoptosis rates in the testicular tissue of domestic cats. <b>2019</b> , 211, 106224	2
312	Irinotecan-Induced Skin Dryness Is Ameliorated By Orally Administered High-Dose Vitamin C In Mice. <b>2019</b> , 11, 109-114	1
311	Identification of new binding proteins of focal adhesion kinase using immunoprecipitation and mass spectrometry. <b>2019</b> , 9, 12908	3
310	Detection of Histone H2AX Phosphorylation on Ser-139 as an Indicator of DNA Damage. <b>2019</b> , 89, e55	7



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308	Identification of a new benzophenone from Psidium guajava L. leaves and its antineoplastic effects on human colon cancer cells. <b>2019</b> , 10, 4189-4198		11
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305	How macrophages deal with death. <b>2019</b> , 19, 539-549		101
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303	Metabolic disorder induces fatty liver in Japanese seabass, <i>Lateolabrax japonicas</i> fed a full plant protein diet and regulated by cAMP-JNK/NF- $\kappa$ B-caspase signal pathway. <b>2019</b> , 90, 223-234		29
302	Brain-derived neurotrophic factor (BDNF) is expressed in buffalo ( <i>Bubalus bubalis</i> ) ovarian follicles and promotes oocyte maturation and early embryonic development. <i>Theriogenology</i> , <b>2019</b> , 130, 79-88	2.8	11
301	Bimodal Fluorescence-Magnetic Resonance Contrast Agent for Apoptosis Imaging. <b>2019</b> , 141, 6224-6233		64
300	Plant latex thrombin-like cysteine proteases alleviates bleeding by bypassing factor VIII in murine model. <b>2019</b> , 120, 12843-12858		10
299	Boolean model of growth signaling, cell cycle and apoptosis predicts the molecular mechanism of aberrant cell cycle progression driven by hyperactive PI3K. <b>2019</b> , 15, e1006402		22
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297	BAM15 attenuates transportation-induced apoptosis in iPS-differentiated retinal tissue. <b>2019</b> , 10, 64		5
296	PLF-1 (Proliferin-1) Modulates Smooth Muscle Cell Proliferation and Development of Experimental Intimal Hyperplasia. <b>2019</b> , 8, e005886		11
295	The influences of morphine or ketamine pre-treatment on hemodynamic, acid-base status, biochemical markers of brain damage and early survival in rats after asphyxial cardiac arrest. <b>2019</b> , 19, 214		5
294	When Unity Is Strength: The Strategies Used by to Survive Environmental Stresses. <b>2019</b> , 8,		16
293	Ganoderma tsugae induced ROS-independent apoptosis and cytoprotective autophagy in human chronic myeloid leukemia cells. <b>2019</b> , 124, 30-44		17
292	The role of chamaejasmine in cellular apoptosis and autophagy in MG-63 cells. <b>2019</b> , 39,		2



291	Concomitance of downregulated active caspase-3 and upregulated X-chromosome linked inhibitor of apoptosis protein as a sensitive diagnostic approach for breast cancer. <b>2019</b> , 455, 159-167		1
290	MiRNAs differentially expressed in skeletal muscle of animals with divergent estimated breeding values for beef tenderness. <b>2019</b> , 20, 1		17
289	WSSV-host interaction: Host response and immune evasion. <b>2019</b> , 84, 558-571		68
288	Protective effects of selenium against zearalenone-induced apoptosis in chicken spleen lymphocyte via an endoplasmic reticulum stress signaling pathway. <b>2019</b> , 24, 77-89		20
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285	Role of DIDO1 in Progression of Esophageal Squamous Cell Carcinoma. <b>2020</b> , 51, 83-87		2
284	Cardioprotective effects of a Fructus Aurantii polysaccharide in isoproterenol-induced myocardial ischemic rats. <b>2020</b> , 155, 995-1002		14
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281	The Race to Bash NASH: Emerging Targets and Drug Development in a Complex Liver Disease. <b>2020</b> , 63, 5031-5073		35
280	Dietary glutathione supplementation enhances antioxidant activity and protects against lipopolysaccharide-induced acute hepatopancreatic injury and cell apoptosis in Chinese mitten crab, <i>Eriocheir sinensis</i> . <b>2020</b> , 97, 440-454		13
279	Anti-cancer potential of polysaccharide extracted from hawthorn ( <i>Crataegus</i> .) on human colon cancer cell line HCT116 via cell cycle arrest and apoptosis. <b>2020</b> , 64, 103677		21
278	Dysregulation of Cell Death in Human Chronic Inflammation. <b>2020</b> , 12,		2
277	Ligustrazine suppresses renal NMDAR1 and caspase-3 expressions in a mouse model of sepsis-associated acute kidney injury. <b>2020</b> , 464, 73-81		10
276	Identification of four caspase genes from <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae) and their regulations toward different apoptotic stimulations. <b>2020</b> , 27, 1158-1172		9
275	Quantization of SnO2 dots: Apoptosis and intrinsic effect of quantum dots for myoblast cancer cells with caspase 3/7 genes. <b>2020</b> , 46, 6383-6395		2
274	Reactivating latent HIV with PKC agonists induces resistance to apoptosis and is associated with phosphorylation and activation of BCL2. <b>2020</b> , 16, e1008906		8

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272	Fruit Extract Induces Tp53/Caspase-Mediated Apoptosis in MCF-7 Breast Cancer Cells. <b>2020</b> , 2020, 3712536		1
271	Sexually dimorphic DNA damage responses and mutation avoidance in the mouse germline. <b>2020</b> , 34, 1637-1649		2
270	Melatonin regulates chicken granulosa cell proliferation and apoptosis by activating the mTOR signaling pathway via its receptors. <b>2020</b> , 99, 6147-6162		3
269	Transcriptome analysis of chicken intraepithelial lymphocyte natural killer cells infected with very virulent infectious bursal disease virus. <b>2020</b> , 10, 18348		3
268	Efficient synthesis, biological evaluation, and docking study of isatin based derivatives as caspase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 1674-1684	5.6	10
267	Acetylcholinesterase promotes apoptosis in insect neurons. <b>2020</b> , 25, 730-746		5
266	Discovery of new pyrimidine-5-carbonitrile derivatives as anticancer agents targeting EGFR and EGFR. <b>2020</b> , 18, 7608-7634		34
265	Discovery of Harmaline as a Potent Inhibitor of Sphingosine Kinase-1: A Chemopreventive Role in Lung Cancer. <b>2020</b> , 5, 21550-21560		16
264	, A Preemptive Bacterium: Apoptotic Response Repression in the Host Gut at the Early Infection to Facilitate Its Acquisition and Transmission. <b>2020</b> , 11, 589509		1
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262	The tale of caspase homologues and their evolutionary outlook: deciphering programmed cell death in cyanobacteria. <b>2020</b> , 71, 4639-4657		7
261	The protective effect of polyphyllin I on myocardial ischemia/reperfusion injury in rats. <b>2020</b> , 8, 644		3
260	The role of single- and multi-walled carbon nanotube in breast cancer treatment. <b>2020</b> , 11, 653-672		7
259	Caspase-8: The double-edged sword. <b>2020</b> , 1873, 188357		27
258	Affibody-Conjugated RALA Polymers Delivering Oligomeric 5-Fluorodeoxyuridine for Targeted Therapy of HER2 Overexpressing Gastric Cancer. <b>2020</b> , 20, e2000083		3
257	Molecular characterization of three caspases from <i>Bostrychus sinensis</i> and their transcriptional responses to bacteria and viruses. <b>2020</b> , 43, 431-443		3
256	Neuroprotective Effects of Chrysin on Diclofenac-Induced Apoptosis in SH-SY5Y Cells. <i>Neurochemical Research</i> , <b>2020</b> , 45, 1064-1071	4.6	7

255	Neuroprotective effects of notoginsenoside R1 by upregulating Trx-1 on acrylamide-induced neurotoxicity in PC12. <b>2020</b> , 39, 797-807	7
254	The transcription elongation factor TCEA3 induces apoptosis in rhabdomyosarcoma. <b>2020</b> , 11, 67	6
253	Germacrone exerts anti-cancer effects on gastric cancer through induction of cell cycle arrest and promotion of apoptosis. <b>2020</b> , 20, 21	2
252	Chemotherapy-induced pyroptosis is mediated by BAK/BAX-caspase-3-GSDME pathway and inhibited by 2-bromopalmitate. <b>2020</b> , 11, 281	54
251	Cigarette smoking and its toxicological overview on human male fertility—prospective review. <b>2021</b> , 40, 145-161	3
250	Musa acuminata lectin exerts anti-cancer effects on HeLa and EAC cells via activation of caspase and inhibitions of Akt, Erk, and Jnk pathway expression and suppresses the neoangiogenesis in in-vivo models. <b>2021</b> , 166, 1173-1187	3
249	Cytotoxic components from the leaves of Erythrophleum fordii induce human acute leukemia cell apoptosis through caspase 3 activation and PARP cleavage. <b>2021</b> , 31, 127673	4
248	Characterization of five caspase genes and their transcriptional changes in response to exogenous iridescent virus challenge in the whiteleg shrimp ( <i>Litopenaeus vannamei</i> ). <b>2021</b> , 534, 736192	4
247	Recent approaches to target apoptosis in neurological disorders. <b>2021</b> , 217-283	1
246	Benzo(a)pyrene-induced cytotoxicity, cell proliferation, DNA damage, and altered gene expression profiles in HT-29 human colon cancer cells. <b>2021</b> , 37, 891-913	5
245	Design, synthesis, docking, ADMET studies, and anticancer evaluation of new 3-methylquinoxaline derivatives as VEGFR-2 inhibitors and apoptosis inducers. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 1760-1782	5.6 19
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243	Impact of Tau on Neurovascular Pathology in Alzheimer's Disease. <b>2020</b> , 11, 573324	9
242	Involvement of the Actin Machinery in Programmed Cell Death. <b>2020</b> , 8, 634849	7
241	Relevance of the Pyroptosis-Related Inflammasome Pathway in the Pathogenesis of Diabetic Kidney Disease. <b>2021</b> , 12, 603416	13
240	Neutrophils: Many Ways to Die. <b>2021</b> , 12, 631821	19
239	Mitochondrial Fission Protein 1: Emerging Roles in Organellar Form and Function in Health and Disease. <b>2021</b> , 12, 660095	14
238	The effect of dietary supplementation with <i>Nigella sativa</i> (black seeds) mediates immunological function in male Wistar rats. <b>2021</b> , 11, 7542	1

237	Therapeutic Approaches for Nonalcoholic Steatohepatitis (NASH). 1-71		
236	Increased Caspase-3 Immunoexpression and Morphology Alterations in Oenocytes and Trophocytes of <i>Apis mellifera</i> Larvae Induced by Toxic Secretion of <i>Epormenis Cestri</i> . <b>2021</b> ,		1
235	The potential roles of different metacaspases in maize defense response. <b>2021</b> , 16, 1906574		0
234	Acute exposure to microcystin-LR induces hepatopancreas toxicity in the Chinese mitten crab ( <i>Eriocheir sinensis</i> ). <b>2021</b> , 95, 2551-2570		2
233	Gypenosides Alleviate Cone Cell Death in a Zebrafish Model of Retinitis Pigmentosa. <b>2021</b> , 10,		0
232	Induction of apoptosis in SSN-1 cells by Snakehead Fish Vesiculovirus (SHVV) via Matrix protein dependent intrinsic pathway. <b>2021</b> , 113, 24-34		0
231	Aqueous extract of <i>Phyllanthus niruri</i> protects against severe malaria by blocking erythrocyte invasion and modulating the host immune response.		
230	Insights Into the Phylogenetic Distribution, Diversity, Structural Attributes, and Substrate Specificity of Putative Cyanobacterial Orthocaspases. <b>2021</b> , 12, 682306		1
229	Oxidative stress, apoptosis and histopathological alterations in brain stem and diencephalon induced by subacute exposure to fipronil in albino rats. <b>2021</b> , 29, 936		0
228	The involvement of CgCaspase-8-2 in regulating the expressions of cytokines, antibacterial peptide and autophagy-related genes in oysters. <b>2021</b> , 119, 145-153		1
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