

# Apoptosis: A Review of Programmed Cell Death

Toxicologic Pathology

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Ran suppresses paclitaxel-induced apoptosis in human glioblastoma cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 1223-1231.	2.2	33
5	2,3,7,8-Tetrachlorodibenzo-p-dioxin regulates Bovine Herpesvirus type 1 induced apoptosis by modulating Bcl-2 family members. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 1243-1252.	2.2	32
6	Apoptosis-related genes change their expression with age and hearing loss in the mouse cochlea. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 1303-1321.	2.2	90
7	Posttreatment with the Ca <sup>2+</sup> -Mg <sup>2+</sup> -dependent endonuclease inhibitor aurintricarboxylic acid abolishes genotoxic agent-induced nuclear condensation and DNA fragmentation and decreases death of astrocytes. <i>Journal of Neuroscience Research</i> , 2008, 86, 2925-2931.	1.3	5
8	Indoloquinolizidine Derivatives as Novel and Potent Apoptosis Inducers and Cell Cycle Blockers. <i>ChemBioChem</i> , 2008, 9, 401-405.	1.3	11
9	Reorganization of mitotic apparatus in the etoposide-treated CHO-K1 cells precedes apoptotic death. <i>Cell and Tissue Biology</i> , 2008, 2, 282-289.	0.2	0
10	Phosphorylation of $\beta$ -actin by protein kinase C-delta in camptothecin analog-induced leukemic cell apoptosis. <i>Acta Pharmacologica Sinica</i> , 2008, 29, 135-142.	2.8	26
11	JNK signaling in apoptosis. <i>Oncogene</i> , 2008, 27, 6245-6251.	2.6	1,259
12	Directing cancer cells to self-destruct with pro-apoptotic receptor agonists. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 1001-1012.	21.5	374
13	Mechanism of hyperbaric oxygen preconditioning in neonatal hypoxia-ischemia rat model. <i>Brain Research</i> , 2008, 1196, 151-156.	1.1	33
14	Anti-proliferative and pro-apoptotic effect of CPT13, a novel camptothecin analog, on human colon cancer HCT8 cell line. <i>Chemico-Biological Interactions</i> , 2008, 176, 165-172.	1.7	21
15	Dantrolene may prevent organophosphate-induced oxidative stress and muscle injury. <i>Pesticide Biochemistry and Physiology</i> , 2008, 92, 156-163.	1.6	34
16	Early cellular changes are indicators of pre-bleaching thermal stress in the coral host. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 364, 63-71.	0.7	108
17	Pathways to ischemic neuronal cell death: are sex differences relevant?. <i>Journal of Translational Medicine</i> , 2008, 6, 33.	1.8	162
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19	Hydrogen therapy reduces apoptosis in neonatal hypoxia-ischemia rat model. <i>Neuroscience Letters</i> , 2008, 441, 167-172.	1.0	203
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21	Cytotoxic activity of 3,4,5-hexahydroxystilbene against breast cancer cells is mediated by induction of p53 and downregulation of mitochondrial superoxide dismutase. <i>Toxicology in Vitro</i> , 2008, 22, 1361-1370.	1.1	44

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1886	Morphological view on the evolution of the immunity and lymphoid organs of vertebrates, focused on thymus. <i>Biologia (Poland)</i> , 2016, 71, 1080-1097.	0.8	8
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1890	Diesel Exhaust Particles Contribute to Endothelia Apoptosis via Autophagy Pathway. <i>Toxicological Sciences</i> , 2016, 156, kfw237.	1.4	14
1891	Identification, characterization and expression analysis of tumor suppressor protein p53 from pufferfish ( <i>Takifugu obscurus</i> ) after the <i>Vibrio alginolyticus</i> challenge. <i>Fish and Shellfish Immunology</i> , 2016, 59, 312-322.	1.6	19
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1893	Ester-Modified Cyclometalated Iridium(III) Complexes as Mitochondria-Targeting Anticancer Agents. <i>Scientific Reports</i> , 2016, 6, 38954.	1.6	42
1894	Clinicopathological significance of caspase-3 and Ki-67 expression in canine mammary gland tumours. <i>Acta Veterinaria Hungarica</i> , 2016, 64, 78-89.	0.2	8
1895	Hepatitis C Virus Infection of Cultured Human Hepatoma Cells Causes Apoptosis and Pyroptosis in Both Infected and Bystander Cells. <i>Scientific Reports</i> , 2016, 6, 37433.	1.6	79
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1897	Ubenimex enhances the radiosensitivity of renal cell carcinoma cells by inducing autophagic cell death. <i>Oncology Letters</i> , 2016, 12, 3403-3410.	0.8	10
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1899	Influence of Onabotulinumtoxin A on testes of the growing rat. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 608-613.	1.4	3
1900	MicroRNA-524-5p suppresses the growth and invasive abilities of gastric cancer cells. <i>Oncology Letters</i> , 2016, 11, 1926-1932.	0.8	15
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1902	Cytotoxic L-amino-acid oxidases from <i>Amanita phalloides</i> and <i>Clitocybe geotropa</i> induce caspase-dependent apoptosis. <i>Cell Death Discovery</i> , 2016, 2, 16021.	2.0	16

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1904	Strain and rate-dependent neuronal injury in a 3D in vitro compression model of traumatic brain injury. <i>Scientific Reports</i> , 2016, 6, 30550.	1.6	132
1905	Î²-lapachone suppresses the proliferation of human malignant melanoma cells by targeting specificity protein 1. <i>Oncology Reports</i> , 2016, 35, 1109-1116.	1.2	15
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1907	In vitro antiproliferative and apoptosis-inducing activities of crude ethyle alcohole extract of <i>Quercus brantii</i> L. acorn and subsequent fractions. <i>Chinese Journal of Natural Medicines</i> , 2016, 14, 196-202.	0.7	24
1908	Peptide and carbon nanotubes assisted detection of apoptosis by square wave voltammetry. <i>Electrochimica Acta</i> , 2016, 199, 142-146.	2.6	12
1909	Î²-Mangostin suppresses LA-7 cells proliferation in vitro and in vivo: Involvement of antioxidant enzyme modulation; suppression of matrix metalloproteinase and Î±6Î²4 integrin signalling pathways. <i>Journal of Functional Foods</i> , 2016, 22, 504-517.	1.6	7
1910	Caspase dependent apoptotic inhibition of melanoma and lung cancer cells by tropical <i>Rubus</i> extracts. <i>Biomedicine and Pharmacotherapy</i> , 2016, 80, 193-199.	2.5	22
1911	Chronic expression of Ski induces apoptosis and represses autophagy in cardiac myofibroblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1261-1268.	1.9	18
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1913	A novel small-molecule YLT256 inhibits proliferation and induces apoptosis both in vitro and in vivo in solid tumors. <i>Biomedicine and Pharmacotherapy</i> , 2016, 81, 482-490.	2.5	1
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1922	New halogenated constituents from <i>Mangifera zeylanica</i> Hook.f. and their potential anti-cancer effects in breast and ovarian cancer cells. <i>Journal of Ethnopharmacology</i> , 2016, 189, 165-174.	2.0	17
1923	Effect of acteoside on the re-localization and abnormal morphology of mitochondria in porcine oocytes during in vitro maturation. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 939-948.	1.2	13
1924	The RING for gypsy moth control: Topical application of fragment of its nuclear polyhedrosis virus anti-apoptosis gene as insecticide. <i>Pesticide Biochemistry and Physiology</i> , 2016, 131, 32-39.	1.6	12
1925	Computational Systems Biology Approach Predicts Regulators and Targets of microRNAs and Their Genomic Hotspots in Apoptosis Process. <i>Molecular Biotechnology</i> , 2016, 58, 460-479.	1.3	35
1926	Quantitative evaluation of ABC transporter-mediated drug resistance based on the determination of the anticancer activity of camptothecin against breast cancer stem cells using TIRF. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 704-711.	0.6	7
1927	High-Dose Fluoride Induces Apoptosis and Inhibits Ameloblastin Secretion in Primary Rat Ameloblast. <i>Biological Trace Element Research</i> , 2016, 174, 402-409.	1.9	11
1928	High-Throughput Phenotypic Screening of Human Astrocytes to Identify Compounds That Protect Against Oxidative Stress. <i>Stem Cells Translational Medicine</i> , 2016, 5, 613-627.	1.6	31
1929	Evaluation of embryotoxicity for major components of herbal extracts using the chick embryonic heart micromass and mouse D3 embryonic stem cell systems. <i>Reproductive Toxicology</i> , 2016, 59, 117-127.	1.3	9
1930	Non-viable sperm in the ejaculate: Lethal escorts for contemporary viable sperm. <i>Animal Reproduction Science</i> , 2016, 169, 24-31.	0.5	28
1931	Epididymal protein ASF is a d-galactose-specific lectin with apoptotic effect on human breast cancer cell line MCF7. <i>International Journal of Biological Macromolecules</i> , 2016, 84, 208-220.	3.6	1
1932	Real-time Tumor Oxygenation Changes After Single High-dose Radiation Therapy in Orthotopic and Subcutaneous Lung Cancer in Mice: Clinical Implication for Stereotactic Ablative Radiation Therapy Schedule Optimization. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1022-1031.	0.4	31
1933	Theracurmin® efficiently inhibits the growth of human prostate and bladder cancer cells via induction of apoptotic cell death and cell cycle arrest. <i>Oncology Reports</i> , 2016, 35, 1463-1472.	1.2	18
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1936	Surface Coating Highly Improves Cytocompatibility of Halloysite Nanotubes: A Metabolic and Ultrastructural Study. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 770-774.	1.1	16
1937	Glycidamide genotoxicity modulated by Caspases genes polymorphisms. <i>Toxicology in Vitro</i> , 2016, 34, 123-127.	1.1	8
1938	DNA damage responses in mammalian oocytes. <i>Reproduction</i> , 2016, 152, R15-R22.	1.1	48
1939	In vitro quantitative determination of the concentration of the polymerization agent methyl 2-benzoylbenzoate in intravenous injection solution and the cytotoxic effects of the chemical on normal human peripheral blood mononuclear cells. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10262-10269.	2.7	4

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1941	Thymoquinone inhibits growth of human medulloblastoma cells by inducing oxidative stress and caspase-dependent apoptosis while suppressing NF- $\kappa$ B signaling and IL-8 expression. <i>Molecular and Cellular Biochemistry</i> , 2016, 416, 141-155.	1.4	35
1942	Functional role of metalloproteins in genome stability. <i>Frontiers in Biology</i> , 2016, 11, 119-131.	0.7	8
1943	Protective effect of pterostilbene on testicular ischemia/reperfusion injury in rats. <i>Journal of Pediatric Surgery</i> , 2016, 51, 1192-1196.	0.8	15
1944	A link between the driver mutations and dysregulated apoptosis in BCR-ABL1 negative myeloproliferative neoplasms. <i>Journal of Immunoassay and Immunochemistry</i> , 2016, 37, 331-345.	0.5	6
1945	In vitro mechanistic and in vivo anti-tumor studies of <i>Glycosmis pentaphylla</i> (Retz.) DC against breast cancer. <i>Journal of Ethnopharmacology</i> , 2016, 186, 159-168.	2.0	7
1946	Cancer chemoresistance; biochemical and molecular aspects: a brief overview. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 89, 20-30.	1.9	123
1947	Ion channels in regulated cell death. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2387-2403.	2.4	78
1948	Apoptotic effect of eugenol involves G2/M phase abrogation accompanied by mitochondrial damage and clastogenic effect on cancer cell in vitro. <i>Phytomedicine</i> , 2016, 23, 725-735.	2.3	43
1949	Autophagy-associated proteins BAG3 and p62 in testicular cancer. <i>Oncology Reports</i> , 2016, 35, 1629-1635.	1.2	12
1950	Immunohistochemical Aspects of Cell Death in Diabetic Nephropathy. <i>Romanian Journal of Internal Medicine = Revue Roumaine De Medecine Interne</i> , 2016, 54, 54-62.	0.3	5
1951	Enhanced preferential cytotoxicity through surface modification: synthesis, characterization and comparative in vitro evaluation of TritonX-100 modified and unmodified zinc oxide nanoparticles in human breast cancer cell (MDA-MB-231). <i>Chemistry Central Journal</i> , 2016, 10, 16.	2.6	32
1952	Major apoptotic mechanisms and genes involved in apoptosis. <i>Tumor Biology</i> , 2016, 37, 8471-8486.	0.8	404
1953	Diindolylmethane and Lupeol Modulates Apoptosis and Cell Proliferation in N-Butyl-N-(4-Hydroxybutyl) Nitrosamine Initiated and Dimethylarsinic Acid Promoted rat Bladder Carcinogenesis. <i>Pathology and Oncology Research</i> , 2016, 22, 747-754.	0.9	9
1954	Diabetes during pregnancy enhanced neuronal death in the hippocampus of rat offspring. <i>International Journal of Developmental Neuroscience</i> , 2016, 51, 28-35.	0.7	25
1955	Early apoptosis real-time detection by label-free SERS based on externalized phosphatidylserine. <i>Analyst</i> , 2016, 141, 4293-4298.	1.7	27
1956	AstRoMap European Astrobiology Roadmap. <i>Astrobiology</i> , 2016, 16, 201-243.	1.5	99
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1959	DNA methylation patterns as noninvasive biomarkers and targets of epigenetic therapies in colorectal cancer. <i>Epigenomics</i> , 2016, 8, 685-703.	1.0	36
1960	Chemosensitizing effect of podophyllotoxin acetate on topoisomerase inhibitors leads to synergistic enhancement of lung cancer cell apoptosis. <i>International Journal of Oncology</i> , 2016, 48, 2265-2276.	1.4	11
1961	MicroRNA: a connecting road between apoptosis and cholesterol metabolism. <i>Tumor Biology</i> , 2016, 37, 8529-8554.	0.8	11
1962	High-Resolution Live-Cell Imaging and Analysis by Laser Desorption/Ionization Droplet Delivery Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 5453-5461.	3.2	70
1963	Redox cycling of a copper complex with benzaldehyde nitrogen mustard-2-pyridine carboxylic acid hydrazone contributes to its enhanced antitumor activity, but no change in the mechanism of action occurs after chelation. <i>Oncology Reports</i> , 2016, 35, 1636-1644.	1.2	12
1965	Diatom-derived oxylipins induce cell death in sea urchin embryos activating caspase-8 and caspase 3/7. <i>Aquatic Toxicology</i> , 2016, 176, 128-140.	1.9	29
1966	Resveratrol ameliorates benzo(a)pyrene-induced testicular dysfunction and apoptosis: involvement of p38 MAPK/ATF2/iNOS signaling. <i>Journal of Nutritional Biochemistry</i> , 2016, 34, 17-29.	1.9	52
1967	Cellular responses of the tiger shrimp <i>Penaeus monodon</i> haemocytes after lipopolysaccharide injection. <i>Fish and Shellfish Immunology</i> , 2016, 54, 385-390.	1.6	31
1968	Synthesis and biological screening for cytotoxic activity of N-substituted indolines and morpholines. <i>European Journal of Medicinal Chemistry</i> , 2016, 120, 296-303.	2.6	47
1969	In vivo antitumor effect, induction of apoptosis and safety of <i>Remirea maritima</i> Aubl. (Cyperaceae) extracts. <i>Phytomedicine</i> , 2016, 23, 914-922.	2.3	10
1970	Extracellular vesicles in neurodegenerative disease – pathogenesis to biomarkers. <i>Nature Reviews Neurology</i> , 2016, 12, 346-357.	4.9	299
1971	Molecular mechanisms of cell death in intervertebral disc degeneration (Review). <i>International Journal of Molecular Medicine</i> , 2016, 37, 1439-1448.	1.8	176
1972	The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. <i>Cell Reports</i> , 2016, 15, 1481-1492.	2.9	46
1973	Fusarium mycotoxin enniatin B: Cytotoxic effects and changes in gene expression profile. <i>Toxicology in Vitro</i> , 2016, 34, 309-320.	1.1	20
1974	Detection of Apoptosis: From Bench Side to Clinical Practice. <i>Methods in Pharmacology and Toxicology</i> , 2016, , 13-29.	0.1	3
1975	Apoptotic pathways and stemness in the colorectal epithelium and lamina propria mucosae during the human embryogenesis and carcinogenesis. <i>Acta Histochemica</i> , 2016, 118, 693-703.	0.9	3
1976	Polyphenols contribute to the antioxidant and antiproliferative activity of <i>Phyllanthus debilis</i> plant in-vitro. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 339.	3.7	14

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1978	Effects of long-term exposure to 900 megahertz electromagnetic field on heart morphology and biochemistry of male adolescent rats. <i>Biotechnic and Histochemistry</i> , 2016, 91, 445-454.	0.7	8
1979	Expression of CYP1A1 and CYP1A2 in the liver and kidney of rabbits after prolonged infusion of propofol. <i>Experimental and Toxicologic Pathology</i> , 2016, 68, 521-531.	2.1	4
1980	Effect of API-1 and FR180204 on cell proliferation and apoptosis in human DLD-1 and LoVo colorectal cancer cells. <i>Oncology Letters</i> , 2016, 12, 2463-2474.	0.8	11
1981	Mechanism of apoptosis induction in human breast cancer MCF-7 cell by Ruviprase, a small peptide from <i>Daboia russelii russelii</i> venom. <i>Chemico-Biological Interactions</i> , 2016, 258, 297-304.	1.7	13
1982	Evolution of the BCL-2-Regulated Apoptotic Pathway. , 2016, , 137-156.		4
1983	Propolis extracts from the northern region of Thailand suppress cancer cell growth through induction of apoptosis pathways. <i>Investigational New Drugs</i> , 2016, 34, 707-722.	1.2	23
1984	Chloroquine, an autophagy inhibitor, potentiates the radiosensitivity of glioma initiating cells by inhibiting autophagy and activating apoptosis. <i>BMC Neurology</i> , 2016, 16, 178.	0.8	85
1985	Application of bee venom and its main constituent melittin for cancer treatment. <i>Cancer Chemotherapy and Pharmacology</i> , 2016, 78, 1113-1130.	1.1	68
1986	Molecular signaling cascades involved in nonmelanoma skin carcinogenesis. <i>Biochemical Journal</i> , 2016, 473, 2973-2994.	1.7	37
1987	Detection of DNA Fragmentation in Apoptotic Cells by TUNEL. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot087221.	0.2	59
1988	White sesame seed water-soluble fraction enhances human neuroblast cell viability via an anti-apoptotic mechanism. <i>Nutrition Research</i> , 2016, 36, 1130-1139.	1.3	7
1989	Platelet-Derived Growth Factor-BB Protects Mesenchymal Stem Cells (MSCs) Derived From Immune Thrombocytopenia Patients Against Apoptosis and Senescence and Maintains MSC-Mediated Immunosuppression. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1631-1643.	1.6	57
1990	Novel quercetin derivative TEF induces ER stress and mitochondria-mediated apoptosis in human colon cancer HCT-116 cells. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 789-799.	2.5	38
1991	Ruthenium-Clotrimazole complex has significant efficacy in the murine model of cutaneous leishmaniasis. <i>Acta Tropica</i> , 2016, 164, 402-410.	0.9	23
1992	Chlorhexidine possesses unique cytotoxic actions in rat thymic lymphocytes: Its relation with electrochemical property of membranes. <i>Environmental Toxicology and Pharmacology</i> , 2016, 48, 17-21.	2.0	3
1993	Construction of single-cell arrays and assay of cell drug resistance in an integrated microfluidic platform. <i>Lab on A Chip</i> , 2016, 16, 4612-4620.	3.1	34
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1997	The miR-204-3p-targeted IGF2BP2 pathway is involved in xanthohumol-induced glioma cell apoptotic death. <i>Neuropharmacology</i> , 2016, 110, 362-375.	2.0	64
1998	Downregulation of microRNA-429 protects cardiomyocytes against hypoxia-induced apoptosis by increasing Notch1 expression. <i>International Journal of Molecular Medicine</i> , 2016, 37, 1677-1685.	1.8	27
1999	Synthesis and evaluation as potential antitumor agents of novel ursolic acid derivatives. <i>Medicinal Chemistry Research</i> , 2016, 25, 2267-2279.	1.1	9
2000	Regulation of the Ku70 and apoptosis-related proteins in experimental diabetic nephropathy. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 1466-1477.	1.5	11
2002	Cell cycle arrest and mechanism of apoptosis induction in H460 oral cancer cells in response to Damnacanthal and Nordamnacanthal isolated from <i>Morinda citrifolia</i> . <i>Cytotechnology</i> , 2016, 68, 1999-2013.	0.7	16
2003	Procyanidin-rich extract of natural cocoa powder causes ROS-mediated caspase-3 dependent apoptosis and reduction of pro-MMP-2 in epithelial ovarian carcinoma cell lines. <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 130-140.	2.5	28
2004	RNAi-mediated downregulation of DNA binding protein A inhibits tumorigenesis in colorectal cancer. <i>International Journal of Molecular Medicine</i> , 2016, 38, 703-712.	1.8	5
2005	Fis1 depletion in osteoarthritis impairs chondrocyte survival and peroxisomal and lysosomal function. <i>Journal of Molecular Medicine</i> , 2016, 94, 1373-1384.	1.7	26
2006	Identification of AaCASP7, an effector caspase in <i>Aedes albopictus</i> . <i>Gene</i> , 2016, 593, 117-125.	1.0	4
2007	Expression and localization of angiopoietin family in buffalo ovarian follicles during different stages of development and modulatory role of angiopoietins on steroidogenesis and survival of cultured buffalo granulosa cells. <i>Theriogenology</i> , 2016, 86, 1818-1833.	0.9	8
2008	Molecular changes in the postmortem parkinsonian brain. <i>Journal of Neurochemistry</i> , 2016, 139, 27-58.	2.1	74
2009	Palmitine hydrochloride mediated photodynamic inactivation of breast cancer MCF-7 cells: Effectiveness and mechanism of action. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 15, 133-138.	1.3	36
2010	KCl induces a caspase-independent programmed cell death in the unicellular green chlorophyte <i>Chlamydomonas reinhardtii</i> (Chlorophyceae). <i>Phycologia</i> , 2016, 55, 378-392.	0.6	13
2011	Tideglusib induces apoptosis in human neuroblastoma IMR32 cells, provoking sub-G0/G1 accumulation and ROS generation. <i>Environmental Toxicology and Pharmacology</i> , 2016, 46, 194-205.	2.0	31
2012	Protolichsterinic Acid, Isolated from the Lichen <i>Cetraria islandica</i> , Reduces LRRC8A Expression and Volume-Sensitive Release of Organic Osmolytes in Human Lung Epithelial Cancer Cells. <i>Phytotherapy Research</i> , 2016, 30, 97-104.	2.8	13
2013	In vitro and in vivo studies of the antineoplastic activity of copper (II) compounds against human leukemia THP-1 and murine melanoma B16-F10 cell lines. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 128-140.	2.6	38
2014	Comparison of apoptosis between adult worms of <i>Schistosoma japonicum</i> from susceptible (BALB/c) Tj ETQq1 1 0.784314 rgBT/Ove	1.0	8

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2016	Physiological and pathological impact of exosomes of adipose tissue. <i>Cell Proliferation</i> , 2016, 49, 3-13.	2.4	96
2017	Apoptotic Effect of Sanggenol L via Caspase Activation and Inhibition of NF- $\kappa$ B Signaling in Ovarian Cancer Cells. <i>Phytotherapy Research</i> , 2016, 30, 90-96.	2.8	11
2018	Killing cancer with platycodin D through multiple mechanisms. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 389-402.	1.6	115
2019	The Salmonella effector SopB prevents ROS-induced apoptosis of epithelial cells by retarding TRAF6 recruitment to mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 618-623.	1.0	33
2020	Pyroptosis triggers pore-induced intracellular traps (PITs) that capture bacteria and lead to their clearance by efferocytosis. <i>Journal of Experimental Medicine</i> , 2016, 213, 2113-2128.	4.2	302
2021	Old drugs, novel ways out: Drug resistance toward cytotoxic chemotherapeutics. <i>Drug Resistance Updates</i> , 2016, 28, 65-81.	6.5	147
2022	Sulfonamide chalcones: Synthesis and in vitro exploration for therapeutic potential against <i>Brugia malayi</i> . <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 262-269.	2.6	52
2023	Recombinant sFRP4 bound chitosan- $\alpha$ -alginate composite nanoparticles embedded with silver nanoclusters for Wnt/ $\beta$ -catenin targeting in cancer theranostics. <i>RSC Advances</i> , 2016, 6, 85763-85772.	1.7	12
2024	Cytosolic Ku70 regulates Bax-mediated cell death. <i>Tumor Biology</i> , 2016, 37, 13903-13914.	0.8	21
2025	In vitro toxicity assessment of oral nanocarriers. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 381-401.	6.6	47
2026	Synthesis and biological evaluation of new benzimidazole-thiazolidinedione hybrids as potential cytotoxic and apoptosis inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 608-621.	2.6	80
2027	<i>Plasmodium falciparum</i> exhibits markers of regulated cell death at high population density in vitro. <i>Parasitology International</i> , 2016, 65, 715-727.	0.6	15
2028	Protein Kinase C facilitates EGFR-mediated cell death in MDA-MB-468 cells. <i>Experimental Cell Research</i> , 2016, 346, 224-232.	1.2	13
2029	What Is the Pathobiology of Inflammation to Cell Death? Apoptosis, Necrosis, Necroptosis, Autophagic Cell Death, Pyroptosis, and NETosis. , 2016, , 81-106.		4
2030	Role of Cyt-C/caspases-9,3, Bax/Bcl-2 and the FAS death receptor pathway in apoptosis induced by zinc oxide nanoparticles in human aortic endothelial cells and the protective effect by alpha-lipoic acid. <i>Chemico-Biological Interactions</i> , 2016, 258, 40-51.	1.7	77
2031	The contribution of apoptosis and necrosis in freezing injury of sea urchin embryonic cells. <i>Cryobiology</i> , 2016, 73, 7-14.	0.3	14
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2034	Apoptosis Markers in Breast Cancer Therapy. <i>Advances in Clinical Chemistry</i> , 2016, 74, 143-193.	1.8	31
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2041	Ethyl acetate extract of <i>Peperomia tetraphylla</i> induces cytotoxicity, cell cycle arrest, and apoptosis in lymphoma U937 cells. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 1802-1809.	2.5	4
2042	Social apoptosis in honey bee superorganisms. <i>Scientific Reports</i> , 2016, 6, 27210.	1.6	54
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2044	Chlorogenic acid analogues from <i>Gynura nepalensis</i> protect H9c2 cardiomyoblasts against H <sub>2</sub> O <sub>2</sub> -induced apoptosis. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 1413-1422.	2.8	24
2045	Neuroprotective effects of sodium hydrosulfide against $\beta$ -amyloid-induced neurotoxicity. <i>International Journal of Molecular Medicine</i> , 2016, 38, 1152-1160.	1.8	20
2046	DNA binding and apoptotic induction ability of harmalol in HepG2: Biophysical and biochemical approaches. <i>Chemico-Biological Interactions</i> , 2016, 258, 142-152.	1.7	26
2047	Urinary antimony and leukocyte telomere length: An analysis of NHANES 1999-2002. <i>Environmental Research</i> , 2016, 150, 513-518.	3.7	14
2048	Antioxidant effects of <i>Cirsium setidens</i> extract on oxidative stress in human mesenchymal stem cells. <i>Molecular Medicine Reports</i> , 2016, 14, 3777-3784.	1.1	28
2049	Targeting HSP70 and GRP78 in canine osteosarcoma cells in combination with doxorubicin chemotherapy. <i>Cell Stress and Chaperones</i> , 2016, 21, 1065-1076.	1.2	23
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2067	Piperic Acid Amide of $\beta$ -disubstituted $\alpha$ -Amino Acid, 2-(4-Amino-1-benzylpiperidin-4-yl)Acid [ $\beta$ - <sup>3</sup> , <sup>3</sup> - $\beta$ Pip(Bz)] as Cytotoxic and Apoptosis Inducing Agent. <i>ChemistrySelect</i> , 2016, 1, 3657-3660.	0.7	2
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2077	Mechanism of protection by diallyl disulfide against cyclophosphamide-induced spermatotoxicity and oxidative stress in rats. <i>Molecular and Cellular Toxicology</i> , 2016, 12, 301-312.	0.8	13
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2084	Apoptosis and gene expression in Jurkat human T cells and lymphoid tissues of fusarenon-X-treated mice. <i>Toxicon</i> , 2016, 123, 15-24.	0.8	7
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2130	Mechanism of Deca-BDE-induced apoptosis in Neuro-2a cells: Role of death-receptor pathway and reactive oxygen species-mediated mitochondrial pathway. <i>Journal of Environmental Sciences</i> , 2016, 46, 241-251.	3.2	26
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2154	Monitoring drug induced apoptosis and treatment sensitivity in non-small cell lung carcinoma using dielectrophoresis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1877-1883.	1.1	28
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2165	Induction of mitochondria-dependent apoptosis in HepG2 human hepatocellular carcinoma cells by timosaponin A-III. <i>Environmental Toxicology and Pharmacology</i> , 2016, 45, 295-301.	2.0	22
2166	In vitro cytotoxic activity of isolated compounds from Malaysian <i>Calophyllum</i> species. <i>Medicinal Chemistry Research</i> , 2016, 25, 1686-1694.	1.1	9
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2448	Molecular effects of hesperetin, a citrus flavanone on 7,12-dimethylbenz(a)anthracene induced buccal pouch squamous cell carcinoma in golden Syrian hamsters. <i>Archives of Physiology and Biochemistry</i> , 2017, 123, 265-278.	1.0	14
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2462	Peripheral blood mononuclear cells from rat model of pleurisy: The effects of hesperidin on ectoenzymes activity, apoptosis, cell cycle and reactive oxygen species production. <i>Biomedicine and Pharmacotherapy</i> , 2017, 91, 278-286.	2.5	11
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2464	Lack of effect of prolonged treatment with liraglutide on cardiac remodeling in rats after acute myocardial infarction. <i>Peptides</i> , 2017, 93, 1-12.	1.2	16
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2466	In vitro uptake and toxicity studies of metal nanoparticles and metal oxide nanoparticles in human HT29 cells. <i>Archives of Toxicology</i> , 2017, 91, 3517-3527.	1.9	60
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2470	Targeted apoptosis in ovarian cancer cells through mitochondrial dysfunction in response to <i>Sambucus nigra</i> agglutinin. <i>Cell Death and Disease</i> , 2017, 8, e2762-e2762.	2.7	51
2471	TRIM24 protein promotes and TRIM32 protein inhibits cardiomyocyte hypertrophy via regulation of dysbindin protein levels. <i>Journal of Biological Chemistry</i> , 2017, 292, 10180-10196.	1.6	28
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2526	Peptides extracted from edible mushroom: <i>Lentinus squarrosulus</i> induces apoptosis in human lung cancer cells. <i>Pharmaceutical Biology</i> , 2017, 55, 1792-1799.	1.3	30
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2528	Antioxidant Supplementation: A Linchpin in Radiation-Induced Enteritis. <i>Technology in Cancer Research and Treatment</i> , 2017, 16, 676-691.	0.8	14
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2543	A vanadium(V) terpyridine complex: synthesis, characterization, cytotoxicity in vitro and induction of apoptosis in cancer cells. <i>Transition Metal Chemistry</i> , 2017, 42, 459-467.	0.7	7
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2562	[ <sup>14</sup> C]-crocurb A1 isolated from <i>Croton urucurana</i> latex induces G2/M cell cycle arrest and apoptosis in human hepatocarcinoma cells. <i>Toxicology Letters</i> , 2017, 273, 44-54.	0.4	7
2563	Evolution of caspase-mediated cell death and differentiation: twins separated at birth. <i>Cell Death and Differentiation</i> , 2017, 24, 1359-1368.	5.0	101
2564	Double knockout of Bax and Bak from kidney proximal tubules reduces unilateral urethral obstruction associated apoptosis and renal interstitial fibrosis. <i>Scientific Reports</i> , 2017, 7, 44892.	1.6	18
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2568	Apoptosis mediated chemosensitization of tumor cells to 5-fluorouracil on supplementation of fish oil in experimental colon carcinoma. <i>Tumor Biology</i> , 2017, 39, 101042831769501.	0.8	17
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2573	Cytotoxicity of citral against melanoma cells: The involvement of oxidative stress generation and cell growth protein reduction. <i>Tumor Biology</i> , 2017, 39, 101042831769591.	0.8	30
2574	Temozolomide-Mediated Apoptotic Death Is Improved by Thymoquinone in U87MG Cell Line. <i>Cancer Investigation</i> , 2017, 35, 225-236.	0.6	26
2575	Census and evaluation of p53 target genes. <i>Oncogene</i> , 2017, 36, 3943-3956.	2.6	685
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3152	Elevated Phosphate Levels Trigger Autophagy-Mediated Cellular Apoptosis in H9c2 Cardiomyoblasts. <i>CardioRenal Medicine</i> , 2018, 8, 31-40.	0.7	8
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3155	Programmed cell death can increase the efficacy of microbial bet hedging. <i>Scientific Reports</i> , 2018, 8, 1120.	1.6	2
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3157	A novel kinase function of a nucleoside-diphosphate-kinase homologue in <i>Porphyromonas gingivalis</i> is critical in subversion of host cell apoptosis by targeting heat-shock protein 27. <i>Cellular Microbiology</i> , 2018, 20, e12825.	1.1	33

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3163	Myricetin enhances on apoptosis induced by serum deprivation in PC12 cells mediated by mitochondrial signaling pathway. <i>Environmental Toxicology and Pharmacology</i> , 2018, 57, 175-180.	2.0	12
3164	Biochemical characterization of unusual cysteine protease of <i>P. falciparum</i> , metacaspase-2 (MCA-2). <i>Molecular and Biochemical Parasitology</i> , 2018, 220, 28-41.	0.5	14
3165	Imidacloprid exposure cause the histopathological changes, activation of TNF-â€, iNOS, 8-OHdG biomarkers, and alteration of caspase 3, iNOS, CYP1A, MT1 gene expression levels in common carp ( <i>Cyprinus carpio</i> L.). <i>Toxicology Reports</i> , 2018, 5, 125-133.	1.6	62
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3204	Cytotoxic effect of <i>Kalanchoe flammula</i> and induction of intrinsic mitochondrial apoptotic signaling in prostate cancer cells. <i>Journal of Ethnopharmacology</i> , 2018, 222, 133-147.	2.0	10
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3217	Mechanosensitive Ion Channels. <i>Cancer Journal (Sudbury, Mass )</i> , 2018, 24, 84-92.	1.0	27
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3222	Andrographolide inhibits proliferation and induces cell cycle arrest and apoptosis in human melanoma cells. <i>Oncology Letters</i> , 2018, 15, 5301-5305.	0.8	16
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3239	Apoptosis and eryptosis: Striking differences on biomembrane level. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1362-1371.	1.4	27
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3242	System-wide coordinates of higher order functions in host-pathogen environment upon Mycobacterium tuberculosis infection. <i>Scientific Reports</i> , 2018, 8, 5079.	1.6	18
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3244	Efficacy of Exercise on Breast Cancer Outcomes: A Systematic Review and Meta-analysis of Preclinical Data. <i>International Journal of Sports Medicine</i> , 2018, 39, 327-342.	0.8	15
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3246	Campospermenone A, B and C, three new cytotoxic alkyl-hydroxycyclohexenones from <i>Camposperma zeylanica</i> Thwaites leaves. <i>Phytochemistry Letters</i> , 2018, 24, 114-119.	0.6	1
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3251	Protective effect of the total flavonoids from <i>Apocynum venetum</i> L. on carbon tetrachloride-induced hepatotoxicity in vitro and in vivo. <i>Journal of Physiology and Biochemistry</i> , 2018, 74, 301-312.	1.3	27
3252	Down regulation of human telomerase reverse transcriptase (hTERT) expression by BIBR1532 in human glioblastoma LN18 cells. <i>Cytotechnology</i> , 2018, 70, 1143-1154.	0.7	26
3253	The inhibitory effect of gypenoside stereoisomers, gypenoside L and gypenoside LI, isolated from <i>Gynostemma pentaphyllum</i> on the growth of human lung cancer A549 cells. <i>Journal of Ethnopharmacology</i> , 2018, 219, 161-172.	2.0	19
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3265	Jerantinine B Enhances the Mitochondria-Mediated Apoptosis by p53 Activation in Human Glioblastoma Cells via a Combination with $\hat{I}$ -Tocotrienol. <i>Journal of Biologically Active Products From Nature</i> , 2018, 8, 21-27.	0.1	2
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3271	Inhibition of Stat3 signaling pathway by nifuroxazide improves antitumor immunity and impairs colorectal carcinoma metastasis. <i>Cell Death and Disease</i> , 2018, 8, e2534-e2534.	2.7	72
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3283	Spatial Angular Compounding Technique for H-Scan Ultrasound Imaging. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 267-277.	0.7	47
3284	Extracellular Hsp70 induces inflammation and modulates LPS/LTA-stimulated inflammatory response in THP-1 cells. <i>Cell Stress and Chaperones</i> , 2018, 23, 373-384.	1.2	60
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3288	Why do BCL-2 inhibitors work and where should we use them in the clinic?. <i>Cell Death and Differentiation</i> , 2018, 25, 56-64.	5.0	251
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3724	Hinokitiol Inhibits Migration of A549 Lung Cancer Cells via Suppression of MMPs and Induction of Antioxidant Enzymes and Apoptosis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 939.	1.8	35
3725	Silkworm Pupa Protein Hydrolysate Induces Mitochondria-Dependent Apoptosis and S Phase Cell Cycle Arrest in Human Gastric Cancer SGC-7901 Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1013.	1.8	29
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3727	Cytoprotective Effect of Epigallocatechin Gallate (EGCG)-5 $\hat{\epsilon}$ <sup>2</sup> -O- $\hat{\pm}$ -Glucopyranoside, a Novel EGCG Derivative. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1466.	1.8	16
3728	Niemann-Pick Type C2 Protein Regulates Free Cholesterol Accumulation and Influences Hepatic Stellate Cell Proliferation and Mitochondrial Respiration Function. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1678.	1.8	16
3729	MSP-4, an Antimicrobial Peptide, Induces Apoptosis via Activation of Extrinsic Fas/FasL- and Intrinsic Mitochondria-Mediated Pathways in One Osteosarcoma Cell Line. <i>Marine Drugs</i> , 2018, 16, 8.	2.2	38
3730	Anti-Cancer Activities of Diterpenoids Derived from <i>Euphorbia fischeriana</i> Steud. <i>Molecules</i> , 2018, 23, 387.	1.7	43
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3732	Potential Anticancer Properties of Osthol: A Comprehensive Mechanistic Review. <i>Nutrients</i> , 2018, 10, 36.	1.7	70
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3736	Mechanisms of Action and Cell Death Associated with <i>Clostridium perfringens</i> Toxins. <i>Toxins</i> , 2018, 10, 212.	1.5	150
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3773	An enzymatic polymerization-activated silver nanocluster probe for <i>in situ</i> apoptosis assay. <i>Analyst</i> , 2018, 143, 2908-2914.	1.7	7
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4011	Extracellular HtrA2 Induces Apoptosis in Human Umbilical Vein Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5446.	1.8	6
4012	Differential Cytotoxic Potential of <i>Acridocarpus orientalis</i> Leaf and Stem Extracts with the Ability to Induce Multiple Cell Death Pathways. <i>Molecules</i> , 2019, 24, 3976.	1.7	8
4013	Melognine, a novel monoterpenoid indole alkaloid from <i>Melodinus fusiformis</i> that induce apoptosis in BT549 cells. <i>Natural Product Research</i> , 2019, 35, 1-7.	1.0	7
4014	Exosomes: Biogenesis, Composition, Functions, and Their Role in Pre-metastatic Niche Formation. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 689-701.	1.4	50

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4016	Glycyrrhizic acid modulates the atrazine-induced apoptosis in rabbit spleen. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34924-34930.	2.7	11
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4018	Personalized Drug Efficacy Monitoring Chip. <i>Analytical Chemistry</i> , 2019, 91, 14927-14935.	3.2	16
4019	Cell-Membrane Permeable Redox Phospholipid Polymers Induce Apoptosis in MDA-MB-231 Human Breast Cancer Cells. <i>Biomacromolecules</i> , 2019, 20, 4447-4456.	2.6	6
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4021	Reactive Oxygen Species-Induced Lipid Peroxidation in Apoptosis, Autophagy, and Ferroptosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	947
4022	Patented therapeutic approaches targeting LRP/LR for cancer treatment. <i>Expert Opinion on Therapeutic Patents</i> , 2019, 29, 987-1009.	2.4	15
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4027	Retrochalcone Echinatin Triggers Apoptosis of Esophageal Squamous Cell Carcinoma via ROS- and ER Stress-Mediated Signaling Pathways. <i>Molecules</i> , 2019, 24, 4055.	1.7	27
4028	&lt;p&gt;Resveratrol As A Natural Regulator Of Autophagy For Prevention And Treatment Of Cancer&lt;/p&gt;. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 8601-8609.	1.0	47
4029	Understanding and Targeting Apoptotic Pathways in Ovarian Cancer. <i>Cancers</i> , 2019, 11, 1631.	1.7	22
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4031	Positive and negative regulators of osteoclast apoptosis. <i>Bone Reports</i> , 2019, 11, 100225.	0.2	27
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4059	Short communication: Adipogenic, metabolic, and apoptotic marker mRNA in cellular fractions of adipose tissue from chickens predisposed to be anorexic or obese. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2019, 238, 110555.	0.8	0
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4063	Understanding Apoptosis and Apoptotic Pathways Targeted Cancer Therapeutics. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 205-218.	0.6	413
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4082	Apoptotic activity of xanthoquinodin JBIR-99, from <i>Parengyodontium album</i> MEXU 30054, in PC-3 human prostate cancer cells. <i>Chemico-Biological Interactions</i> , 2019, 311, 108798.	1.7	9
4083	The volatile anesthetic sevoflurane reduces neutrophil apoptosis via Fas death domainâ€™Fas-associated death domain interaction. <i>FASEB Journal</i> , 2019, 33, 12668-12679.	0.2	20
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4101	Metabolic Insight of Neutrophils in Health and Disease. <i>Frontiers in Immunology</i> , 2019, 10, 2099.	2.2	154
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4106	Dynamics of Singlet Oxygen-Triggered, RONS-Based Apoptosis Induction after Treatment of Tumor Cells with Cold Atmospheric Plasma or Plasma-Activated Medium. <i>Scientific Reports</i> , 2019, 9, 13931.	1.6	43
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4108	Cold Atmospheric Plasma and Plasma-Activated Medium Trigger RONS-Based Tumor Cell Apoptosis. <i>Scientific Reports</i> , 2019, 9, 14210.	1.6	88
4109	Mitigation of radiation-induced gastro-intestinal injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice. <i>Scientific Reports</i> , 2019, 9, 14134.	1.6	17
4110	Photodynamic Therapy Activity of New Porphyrin-Xylan-Coated Silica Nanoparticles in Human Colorectal Cancer. <i>Cancers</i> , 2019, 11, 1474.	1.7	45
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4112	Regulation of p21 expression for anti-apoptotic activity of DDX3 against sanguinarine-induced cell death on intrinsic pathway. <i>Phytomedicine</i> , 2019, 65, 153096.	2.3	6
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4114	Effects of Live Attenuated Vaccine and Wild Type Strains of <i>Edwardsiella ictaluri</i> on Phagocytosis, Bacterial Killing, and Survival of Catfish B Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2383.	2.2	7
4115	Metacaspases: Potential Drug Target Against Protozoan Parasites. <i>Frontiers in Pharmacology</i> , 2019, 10, 790.	1.6	15
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4117	Synergistic combination of chemo-phototherapy based on temozolomide/ICG-loaded iron oxide nanoparticles for brain cancer treatment. <i>Oncology Reports</i> , 2019, 42, 1709-1724.	1.2	14
4118	Plant protein diet suppressed immune function by inhibiting spiral valve intestinal mucosal barrier integrity, anti-oxidation, apoptosis, autophagy and proliferation responses in amur sturgeon ( <i>Acipenser schrenckii</i> ). <i>Fish and Shellfish Immunology</i> , 2019, 94, 711-722.	1.6	33
4119	VDAC1 is essential for neurite maintenance and the inhibition of its oligomerization protects spinal cord from demyelination and facilitates locomotor function recovery after spinal cord injury. <i>Scientific Reports</i> , 2019, 9, 14063.	1.6	17
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4131	Mechanism of Brassica oleracea performance in bovine infectious mastitis by bioinformatic analysis. <i>Microbial Pathogenesis</i> , 2019, 129, 19-29.	1.3	13
4132	Synergistic chemopreventive effect of allyl isothiocyanate and sulforaphane on non-small cell lung carcinoma cells. <i>Food and Function</i> , 2019, 10, 893-902.	2.1	32
4133	Effects of lentivirus-mediated astrocyte elevated gene-1 overexpression on proliferation and apoptosis of human retinoblastoma cells. <i>Acta Ophthalmologica</i> , 2019, 97, e397-e402.	0.6	1
4134	Crosstalk between Fisetin-induced Apoptosis and Autophagy in Human Oral Squamous Cell Carcinoma. <i>Journal of Cancer</i> , 2019, 10, 138-146.	1.2	39
4135	Comparison of retroauricular and small transcervical approaches for endoscopic-assisted selective neck dissection: a cadaveric study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 584-589.	0.7	1
4136	Hydroxylase Inhibition Selectively Induces Cell Death in Monocytes. <i>Journal of Immunology</i> , 2019, 202, 1521-1530.	0.4	7
4137	Antineoplastic Effect of PAC Capped Silver Nanoparticles Promote Apoptosis in HT-29 Human Colon Cancer Cells. <i>Journal of Cluster Science</i> , 2019, 30, 483-493.	1.7	9
4138	A molecular survey of programmed cell death in rainbow trout: Structural and functional specifications of apoptotic key molecules. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 230, 57-69.	0.7	7
4139	Oral administration of Angelica sinensis polysaccharide protects against pancreatic islets failure in type 2 diabetic mice: Pancreatic $\beta$ -cell apoptosis inhibition. <i>Journal of Functional Foods</i> , 2019, 54, 361-370.	1.6	29
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4142	A delicate balance – The BCL-2 family and its role in apoptosis, oncogenesis, and cancer therapeutics. <i>Biochemical Pharmacology</i> , 2019, 162, 250-261.	2.0	135
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4144	Preparation of Zinc Oxide Nanoparticles Containing Spray and Barrier Films for Potential Photoprotection on Wound Healing. <i>ACS Omega</i> , 2019, 4, 1801-1809.	1.6	13
4145	Liquid biopsy in breast cancer: A comprehensive review. <i>Clinical Genetics</i> , 2019, 95, 643-660.	1.0	210
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4573	Expression of P53, BAX, and BCL-2 in human malignant melanoma and squamous cell carcinoma cells after tea tree oil treatment in vitro. <i>Cytotechnology</i> , 2019, 71, 461-473.	0.7	42
4574	Structure-function relationships of nonviral gene vectors: Lessons from antimicrobial polymers. <i>Acta Biomaterialia</i> , 2019, 86, 15-40.	4.1	46
4575	Mitochondrial quality control as a key determinant of cell survival. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 575-587.	1.9	97
4576	Transmembrane protein 126B protects against high fat diet (HFD)-induced renal injury by suppressing dyslipidemia via inhibition of ROS. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 40-47.	1.0	16
4577	Tachykinin NK1 receptor antagonist L-733,060 and substance P deletion exert neuroprotection through inhibiting oxidative stress and cell death after traumatic brain injury in mice. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 107, 154-165.	1.2	39
4578	Retinal photoreceptor apoptosis is associated with impaired serum ionized calcium homeostasis in diabetic retinopathy: An in-vivo analysis. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 208-211.	1.2	8
4579	Real-time H-scan ultrasound imaging using a Verasonics research scanner. <i>Ultrasonics</i> , 2019, 94, 28-36.	2.1	41
4580	High level expression of ISG12(1) promotes cell apoptosis via mitochondrial-dependent pathway and so as to hinder Newcastle disease virus replication. <i>Veterinary Microbiology</i> , 2019, 228, 147-156.	0.8	12

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4582	Schmallenberg virus induces apoptosis in Vero cell line via extrinsic and intrinsic pathways in a time and dose dependent manner. <i>Journal of Veterinary Medical Science</i> , 2019, 81, 204-212.	0.3	3
4583	Therapeutic targets of vitamin C on liver injury and associated biological mechanisms: A study of network pharmacology. <i>International Immunopharmacology</i> , 2019, 66, 383-387.	1.7	80
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4585	Oral siRNA delivery using dual transporting systems to efficiently treat colorectal liver metastasis. <i>International Journal of Pharmaceutics</i> , 2019, 555, 250-258.	2.6	17
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4591	In vitro assessment of radiobiology of meningioma: A pilot study. <i>Journal of Neuroscience Methods</i> , 2019, 311, 288-294.	1.3	5
4592	TiF4 and NaF varnishes induce low levels of apoptosis in murine and human fibroblasts through mitochondrial Bcl-2 family and death receptor signalling. <i>Archives of Oral Biology</i> , 2019, 97, 245-252.	0.8	6
4593	Neurochemical alterations following the exposure to di-n-butyl phthalate in rats. <i>Metabolic Brain Disease</i> , 2019, 34, 235-244.	1.4	24
4594	Real-time and in-situ monitoring of Abrin induced cell apoptosis by using SERS spectroscopy. <i>Talanta</i> , 2019, 195, 8-16.	2.9	23
4595	Anticancer activity of paroxetine in human colon cancer cells: Involvement of MET and ERBB3. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1106-1115.	1.6	41
4596	Tri-arginine exosite patch of caspase-6 recruits substrates for hydrolysis. <i>Journal of Biological Chemistry</i> , 2019, 294, 71-88.	1.6	21
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4598	<i>Saccharomyces cerevisiae</i> inhibits growth and metastasis and stimulates apoptosis in HT-29 colorectal cancer cell line. <i>Comparative Clinical Pathology</i> , 2019, 28, 985-995.	0.3	20

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4602	Tilianin mediates neuroprotection against ischemic injury by attenuating CaMKII-dependent mitochondrion-mediated apoptosis and MAPK/NF- $\kappa$ B signaling. <i>Life Sciences</i> , 2019, 216, 233-245.	2.0	28
4603	Transcriptomic analysis reveals dose-dependent modes of action of benzo(a)pyrene in polar cod ( <i>Boreogadus saida</i> ). <i>Science of the Total Environment</i> , 2019, 653, 176-189.	3.9	23
4604	New insights into the roles and regulation of SphK2 as a therapeutic target in cancer chemoresistance. <i>Journal of Cellular Physiology</i> , 2019, 234, 8162-8181.	2.0	31
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4611	CMIT/MIT induce apoptosis and inflammation in alveolar epithelial cells through p38/JNK/ERK1/2 signaling pathway. <i>Molecular and Cellular Toxicology</i> , 2019, 15, 41-48.	0.8	14
4612	Functional characterization of a potent anti-tumor polysaccharide in a mouse model of gastric cancer. <i>Life Sciences</i> , 2019, 219, 11-19.	2.0	16
4614	Cell death in the human infant central nervous system and in sudden infant death syndrome (SIDS). <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 46-61.	2.2	8
4615	Rebamipide Mitigates Impairments in Mitochondrial Function and Bioenergetics with $\beta$ -Synuclein Pathology in 6-OHDA-Induced Hemiparkinsonâ€™s Model in Rats. <i>Neurotoxicity Research</i> , 2019, 35, 542-562.	1.3	13
4616	The ameliorative effect of carvacrol on oxidative stress and germ cell apoptosis in testicular tissue of adult diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 568-578.	2.5	67
4617	Green synthesis and characterization of MnCo2O4/Co2Mn3O8 ceramic nanocomposites and investigation of their cytotoxicity on the 4T1 cells. <i>Composites Part B: Engineering</i> , 2019, 163, 424-430.	5.9	12

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4628	Harmin induced apoptosis in <i>Spodoptera frugiperda</i> Sf9 cells by activating the endogenous apoptotic pathways and inhibiting DNA topoisomerase I activity. <i>Pesticide Biochemistry and Physiology</i> , 2019, 155, 26-35.	1.6	22
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4630	<i>Mycoplasma bovis</i> delay in apoptosis of macrophages is accompanied by increased expression of anti-apoptotic genes, reduced cytochrome C translocation and inhibition of DNA fragmentation. <i>Veterinary Immunology and Immunopathology</i> , 2019, 208, 16-24.	0.5	15
4631	Dietary intake of genistein suppresses hepatocellular carcinoma through AMPK-mediated apoptosis and anti-inflammation. <i>BMC Cancer</i> , 2019, 19, 6.	1.1	50
4632	New Drugs from the Sea: Pro-Apoptotic Activity of Sponges and Algae Derived Compounds. <i>Marine Drugs</i> , 2019, 17, 31.	2.2	61
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4636	Evaluation of apoptosis markers in different cell lines infected with equine arteritis virus. <i>Biotechnic and Histochemistry</i> , 2019, 94, 115-125.	0.7	5

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4639	Comparison of main molecular markers involved in autophagy and apoptosis pathways between spermatozoa of infertile men with varicocele and fertile individuals. <i>Andrologia</i> , 2019, 51, e13177.	1.0	18
4640	Glycogen synthase kinase-3 inhibition in glioblastoma multiforme cells induces apoptosis, cell cycle arrest and changing biomolecular structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 209, 150-164.	2.0	18
4641	Apoptosis in HepaRG and HL-7702 cells induced by polyphyllin II through caspases activation and cell-cycle arrest. <i>Journal of Cellular Physiology</i> , 2019, 234, 7078-7089.	2.0	15
4642	Tumor suppressive activity of PIWIâ€interacting RNA in human fibrosarcoma mediated through repression of RRM2. <i>Molecular Carcinogenesis</i> , 2019, 58, 344-357.	1.3	42
4643	Assessment of the antiproliferative and apoptotic roles of sulfonamide carbonic anhydrase IX inhibitors in HeLa cancer cell line. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 75-86.	2.5	25
4644	Protective effect of cinnamon against acetaminophen-mediated cellular damage and apoptosis in renal tissue. <i>Environmental Science and Pollution Research</i> , 2019, 26, 240-249.	2.7	50
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4648	Role of betaine in liver injury induced by the exposure to ionizing radiation. <i>Environmental Toxicology</i> , 2019, 34, 123-130.	2.1	29
4649	Mitochondrial Dysfunction in Stroke: Implications of Stem Cell Therapy. <i>Translational Stroke Research</i> , 2019, 10, 121-136.	2.3	37
4650	miRNA-448 inhibits cell growth by targeting BCL-2 in hepatocellular carcinoma. <i>Digestive and Liver Disease</i> , 2019, 51, 703-711.	0.4	25
4651	Reciprocal regulations between miRNAs and HIF-1Î± in human cancers. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 453-471.	2.4	38
4652	Synphilin-1 has neuroprotective effects on MPP <sup>+</sup> -induced Parkinsonâ€™s disease model cells by inhibiting ROS production and apoptosis. <i>Neuroscience Letters</i> , 2019, 690, 145-150.	1.0	31
4653	Mitochondriaâ€mediated apoptosis was induced by oleuropein in H1299 cells involving activation of p38 MAP kinase. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 5480-5494.	1.2	23
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4656	Comparative transcriptome analysis in the hepatopancreas of <i>Helice tientsinensis</i> exposed to the toxic metal cadmium. <i>Genes and Genomics</i> , 2019, 41, 417-429.	0.5	12
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4658	Design, synthesis and biological evaluation of novel $\beta$ -pinene-based thiazole derivatives as potential anticancer agents via mitochondrial-mediated apoptosis pathway. <i>Bioorganic Chemistry</i> , 2019, 84, 468-477.	2.0	56
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4661	Moxifloxacin as an inducer of apoptosis in melanoma cells: A study at the cellular and molecular level. <i>Toxicology in Vitro</i> , 2019, 55, 75-92.	1.1	24
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4663	Probiotic mixture of <i>Lactobacillus helveticus</i> R0052 and <i>Bifidobacterium longum</i> R0175 attenuates hippocampal apoptosis induced by lipopolysaccharide in rats. <i>International Microbiology</i> , 2019, 22, 317-323.	1.1	27
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4675	Anti-fumarase antibody promotes the dropout of photoreceptor inner and outer segments in diabetic macular oedema. <i>Diabetologia</i> , 2019, 62, 504-516.	2.9	9
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4677	Celastrol induces vincristine multidrug resistance oral cancer cell apoptosis by targeting JNK1/2 signaling pathway. <i>Phytomedicine</i> , 2019, 54, 1-8.	2.3	40
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4684	Cellular alterations in midgut cells of honey bee workers ( <i>Apis mellifera</i> L.) exposed to sublethal concentrations of CdO or PbO nanoparticles or their binary mixture. <i>Science of the Total Environment</i> , 2019, 651, 1356-1367.	3.9	45
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4687	Ocular surface and chronic pesticide exposure: Evaluating the alterations in corneal cellular turnover concerning cell cycle and apoptosis. <i>Experimental Eye Research</i> , 2019, 178, 122-132.	1.2	11
4688	Antiproliferative and proapoptotic activity of molecular copper(II) complex of N-1-tosylcytosine. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 55, 216-222.	1.5	4
4689	Enzyme targeting strategies for prevention and treatment of cancer: Implications for cancer therapy. <i>Seminars in Cancer Biology</i> , 2019, 56, 1-11.	4.3	81
4690	Regulatory effect of neuroglobin in the recovery of spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 371-377.	0.7	7

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4692	A hybrid multiscale model for investigating tumor angiogenesis and its response to cell-based therapy. In Silico Biology, 2019, 13, 1-20.	0.4	7
4693	Therapeutic potential of <i>Mucuna pruriens</i> (Linn.) on ageing induced damage in dorsal nerve of the penis and its implication on erectile function: an experimental study using albino rats. Aging Male, 2020, 23, 313-326.	0.9	31
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4695	Gemcitabine induced cytotoxicity, DNA damage and hepatic injury in laboratory mice. Drug and Chemical Toxicology, 2020, 43, 158-164.	1.2	8
4696	The protective effect of fasudil against acrylamide-induced cytotoxicity in PC12 cells. Drug and Chemical Toxicology, 2020, 43, 595-601.	1.2	14
4697	An environmentally realistic pesticide and copper mixture impacts embryonic development and DNA integrity of the Pacific oyster, <i>Crassostrea gigas</i> . Environmental Science and Pollution Research, 2020, 27, 3600-3611.	2.7	12
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4710	<i>Bacillus amyloliquefaciens</i> Ameliorates H <sub>2</sub> O <sub>2</sub> -Induced Oxidative Damage by Regulating Transporters, Tight Junctions, and Apoptosis Gene Expression in Cell Line IPEC-1. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 649-656.	1.9	7
4711	RHIM-based protein:protein interactions in microbial defence against programmed cell death by necroptosis. <i>Seminars in Cell and Developmental Biology</i> , 2020, 99, 86-95.	2.3	23
4712	Bax functions as coelomocyte apoptosis regulator in the sea cucumber <i>Apostichopus japonicus</i> . <i>Developmental and Comparative Immunology</i> , 2020, 102, 103490.	1.0	14
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4718	Damage-associated molecular patterns in trauma. <i>European Journal of Trauma and Emergency Surgery</i> , 2020, 46, 751-775.	0.8	110
4719	The effects of L-NAME on DU145 human prostate cancer cell line: A cytotoxicity-based study. <i>Human and Experimental Toxicology</i> , 2020, 39, 182-193.	1.1	12
4720	The therapeutic and protective effects of bee pollen against prenatal methylmercury induced neurotoxicity in rat pups. <i>Metabolic Brain Disease</i> , 2020, 35, 215-224.	1.4	15
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4736	Melatonin: An important anticancer agent in colorectal cancer. <i>Journal of Cellular Physiology</i> , 2020, 235, 804-817.	2.0	28
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4761	The emerging role of Hippo signaling in neurodegeneration. <i>Journal of Neuroscience Research</i> , 2020, 98, 796-814.	1.3	44
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4779	Combined neurotoxic effects of cannabis and nandrolone decanoate in adolescent male rats. <i>NeuroToxicology</i> , 2020, 76, 114-125.	1.4	12
4780	Spatial light-modulated stimulated Raman scattering (SLM-SRS) microscopy for rapid multiplexed vibrational imaging. <i>Theranostics</i> , 2020, 10, 312-322.	4.6	16
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4786	Knockdown of TNFAIP1 prevents di-(2-ethylhexyl) phthalate-induced neurotoxicity by activating CREB pathway. <i>Chemosphere</i> , 2020, 241, 125114.	4.2	23
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4788	Chemomodulatory effects of <i>Alysicarpus vaginalis</i> extract via mitochondria-dependent apoptosis and necroptosis in breast cancer. <i>Nutrition and Cancer</i> , 2020, 72, 1243-1253.	0.9	10
4789	Pelvic Radiation-Induced Testicular Damage: An Experimental Study at 1 Gray. <i>Systems Biology in Reproductive Medicine</i> , 2020, 66, 89-98.	1.0	7
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4796	Cytotoxic effect and apoptosis pathways activated by methylene blue-mediated photodynamic therapy in fibroblasts. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 29, 101654.	1.3	9
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4798	Nucleolar control by a non-apoptotic p53-caspases-deubiquitinylase axis promotes resistance to bacterial infection. <i>FASEB Journal</i> , 2020, 34, 1107-1121.	0.2	1
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4801	Advance on toxicity of metal nickel nanoparticles. <i>Environmental Geochemistry and Health</i> , 2020, 42, 2277-2286.	1.8	33
4802	In-vivo antiproliferative activity of <i>Morus latifolia</i> leaf and bark extracts against Ehrlich's ascites carcinoma. <i>Toxicological Research</i> , 2020, 36, 79-88.	1.1	6
4803	Hypochlorous acid reversibly inhibits caspase-3: a potential regulator of apoptosis. <i>Free Radical Research</i> , 2020, 54, 43-56.	1.5	14
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4816	CARsomes inhibit airway allergic inflammation in mice by inducing antigen-specific Th2 cell apoptosis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1205-1216.	2.7	6
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4819	Protection from doxorubicin-induced nephrotoxicity by clindamycin: novel antioxidant, anti-inflammatory and anti-apoptotic roles. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 739-748.	1.4	24
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4838	Mechanisms of action of amyloid-beta and its precursor protein in neuronal cell death. <i>Metabolic Brain Disease</i> , 2020, 35, 11-30.	1.4	54
4839	Histopathological, genotoxic, and behavioral damages induced by manganese (II) in adult zebrafish. <i>Chemosphere</i> , 2020, 244, 125550.	4.2	15
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4841	Mechanisms for the transition from physiological to pathological cardiac hypertrophy. <i>Canadian Journal of Physiology and Pharmacology</i> , 2020, 98, 74-84.	0.7	97
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4843	Rosiglitazone enhances the apoptotic effect of 5-fluorouracil in colorectal cancer cells with high-glucose-induced glutathione. <i>Science Progress</i> , 2020, 103, 003685041988644.	1.0	8
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4850	Regulation of apoptosis by E3 ubiquitin ligases in ubiquitin proteasome system. <i>Cell Biology International</i> , 2020, 44, 721-734.	1.4	13
4851	Inhibitory Effects of Indomethacin in Human MNNG/HOS Osteosarcoma Cell Line In Vitro. <i>Cancer Investigation</i> , 2020, 38, 23-36.	0.6	4
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6301	Cu-Doped-ZnO Nanocrystals Induce Hepatocyte Autophagy by Oxidative Stress Pathway. <i>Nanomaterials</i> , 2021, 11, 2081.	1.9	0
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