

# CITATION REPORT

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**Programmed cell death pathways in cancer: a review of apoptosis, autophagy and programmed necrosis**

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**Cell Proliferation, 2012, 45, 487-98.**

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1020	Separation and nanoencapsulation of antitumor polypeptide from <i>Spirulina platensis</i> . <b>2013</b> , 29, 1230-8		44
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1018	IntApop: a web service for predicting apoptotic protein interactions in humans. <b>2013</b> , 114, 238-44		3
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692	The Application, Neurotoxicity, and Related Mechanism of Cationic Polymers**Conflict of Interests: All the Figures and Table in The application, neurotoxicity, and related mechanism of cationic polymersAre original, unpublished materials designed and prepared by Yubin Li and Dianwen Ju. The authors declared that there is no conflict of interests. <b>2017</b> , 285-329	14
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655	Three-Dimensional Cellular Arrangement in Epithelial Ovarian Cancer Cell Lines TOV-21G and SKOV-3 is Associated with Apoptosis-Related miRNA Expression Modulation. <b>2018</b> , 11, 85-92		2
654	N-thioalkylcarbazoles derivatives as new anti-proliferative agents: synthesis, characterisation and molecular mechanism evaluation. <b>2018</b> , 33, 434-444		26
653	Occurrence, biological activity and metabolism of 6-shogaol. <b>2018</b> , 9, 1310-1327		39
652	Effects of autophagy on acid-sensing ion channel 1a-mediated apoptosis in rat articular chondrocytes. <b>2018</b> , 443, 181-191		6
651	Under ambient UVA exposure, pefloxacin exhibits both immunomodulatory and genotoxic effects via multiple mechanisms. <b>2018</b> , 178, 593-605		9
650	Ligustrazine suppresses neuron apoptosis via the Bax/Bcl-2 and caspase-3 pathway in PC12 cells and in rats with vascular dementia. <b>2018</b> , 70, 60-70		55
649	Bacillus spore-based oral carriers loading curcumin for the therapy of colon cancer. <b>2018</b> , 271, 31-44		31
648	Mechanisms of disordered neurodegenerative function: concepts and facts about the different roles of the protein kinase RNA-like endoplasmic reticulum kinase (PERK). <b>2018</b> , 29, 387-415		7
647	Molecular Mechanisms of Cell Death. <b>2018</b> , 1-24		3
646	Dysregulation of mitochondrial dynamics proteins are a targetable feature of human tumors. <b>2018</b> , 9, 1677		62

645	Synergistic anticancer effects of bufalin and sorafenib by regulating apoptosis associated proteins. <b>2018</b> , 17, 8101-8110	3
644	Arsenite exposure potentiates apoptosis-inducing effects of tumor necrosis factor-alpha- through reactive oxygen species. <b>2018</b> , 43, 159-169	4
643	Anti-Apoptotic Mechanisms of Acupuncture in Neurological Diseases: A Review. <b>2018</b> , 46, 515-535	25
642	Andrographolide inhibits proliferation and induces cell cycle arrest and apoptosis in human melanoma cells. <b>2018</b> , 15, 5301-5305	9
641	miR-93-5p-Containing Exosomes Treatment Attenuates Acute Myocardial Infarction-Induced Myocardial Damage. <b>2018</b> , 11, 103-115	103
640	An in vitro cytotoxicities comparison of 16 priority polycyclic aromatic hydrocarbons in human pulmonary alveolar epithelial cells HPAEpiC. <b>2018</b> , 290, 10-18	18
639	Hypoxia-induced autophagy is inhibited by PADI4 knockdown, which promotes apoptosis of fibroblast-like synoviocytes in rheumatoid arthritis. <b>2018</b> , 17, 5116-5124	7
638	Autophagy in hemorrhagic stroke: Mechanisms and clinical implications. <b>2018</b> , 163-164, 79-97	31
637	Etoposide induced NMI promotes cell apoptosis by activating the ARF-p53 signaling pathway in lung carcinoma. <b>2018</b> , 495, 368-374	6
636	The Akt-like kinase of <i>Leishmania panamensis</i> : As a new molecular target for drug discovery. <b>2018</b> , 177, 171-178	10
635	Immunomodulatory and anticancer protein hydrolysates (peptides) from food proteins: A review. <b>2018</b> , 245, 205-222	236
634	Dietary fatty acids modulation of human colon cancer cells: mechanisms and future perspectives. <b>2018</b> , 69, 437-450	5
633	A metabolite of nobiletin, 4'-demethylnobiletin and atorvastatin synergistically inhibits human colon cancer cell growth by inducing G0/G1 cell cycle arrest and apoptosis. <b>2018</b> , 9, 87-95	24
632	Kaempferol increases apoptosis in human acute promyelocytic leukemia cells and inhibits multidrug resistance genes. <b>2018</b> , 119, 2288-2297	29
631	Urban fine particulate matter (PM2.5) exposure destroys blood-testis barrier (BTB) integrity through excessive ROS-mediated autophagy. <b>2018</b> , 28, 302-319	41
630	Synthesis, anticancer activity and mechanism of action of new thiazole derivatives. <b>2018</b> , 144, 874-886	91
629	Transcriptome profile analysis reveals cardiotoxicity of maduramicin in primary chicken myocardial cells. <b>2018</b> , 92, 1267-1281	13
628	Autophagy activation is required for influenza A virus-induced apoptosis and replication. <b>2018</b> , 1865, 364-378	56



627	Inhibition of autophagy promotes cisplatin-induced apoptotic cell death through Atg5 and Beclin 1 in A549 human lung cancer cells. <b>2018</b> , 17, 6859-6865	31
626	Potential of Bacillus subtilis lipopeptides in anti-cancer I: induction of apoptosis and paraptosis and inhibition of autophagy in K562 cells. <b>2018</b> , 8, 78	45
625	Different splicing isoforms of ERCC1 affect the expression of its overlapping genes CD3EAP and PPP1R13L, and indicate a potential application in non-small cell lung cancer treatment. <b>2018</b> , 52, 2155-2165	4
624	JS-K enhances chemosensitivity of prostate cancer cells to Taxol via reactive oxygen species activation. <b>2019</b> , 17, 757-764	3
623	Oridonin induces apoptosis in oral squamous cell carcinoma probably through the generation of reactive oxygen species and the p38/JNK MAPK pathway. <b>2018</b> , 52, 1749-1759	11
622	Gallic acid and curcumin induce cytotoxicity and apoptosis in human breast cancer cell MDA-MB-231. <b>2018</b> , 8, 185-194	41
621	A DR4 capturer with AKT siRNA for the synergetic enhancement of death receptor-mediated apoptosis. <b>2018</b> , 54, 13439-13442	3
620	Phenanthridone Alkaloids of the Amaryllidaceae as Activators of the Apoptosis-related Proteolytic Enzymes, Caspases. <b>2018</b> , 13, 1934578X1801301	1
619	Cytotoxic Tricycloalternarene Compounds from Endophyte sp. W-1 Associated with. <b>2018</b> , 16,	10
618	The Nedd8-activating enzyme inhibitor MLN4924 suppresses colon cancer cell growth triggering autophagy. <b>2018</b> , 22, 617-625	7
617	H5N1 Influenza a Virus Replicates Productively in Pancreatic Cells and Induces Apoptosis and Pro-Inflammatory Cytokine Response. <b>2018</b> , 8, 386	18
616	Ceramide pathway: A novel approach to cancer chemotherapy. <b>2018</b> , 5, 237-244	4
615	Bcl-2 Inhibition to Overcome Resistance to Chemo- and Immunotherapy. <b>2018</b> , 19,	65
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612	Gamma linolenic acid regulates PHD2 mediated hypoxia and mitochondrial apoptosis in DEN induced hepatocellular carcinoma. <b>2018</b> , 12, 4241-4252	9
611	Prevention of Wogonin on Colorectal Cancer Tumorigenesis by Regulating p53 Nuclear Translocation. <b>2018</b> , 9, 1356	20
610	Establishment of microRNA, transcript and protein regulatory networks in Alport syndrome induced pluripotent stem cells. <b>2019</b> , 19, 238-250	4



609	ERK-mediated autophagy promotes inactivated Sendai virus (HVJ-E)-induced apoptosis in HeLa cells in an Atg3-dependent manner. <b>2018</b> , 18, 200	5
608	Oral administration of indole substituted dipyrido[2,3-d]pyrimidine derivative exhibits anti-tumor activity via inhibiting AKT and ERK1/2 on hepatocellular carcinoma. <b>2018</b> , 505, 761-767	9
607	Association between radiation-induced cell death and clinically relevant radioresistance. <b>2018</b> , 150, 649-659	15
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605	Jinfukang induces cellular apoptosis through activation of and in A549 cells. <b>2018</b> , 16, 4343-4352	9
604	Current report of natural product development against breast cancer stem cells. <b>2018</b> , 104, 114-132	21
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602	Graphene oxide-chloroquine nanoconjugate induce necroptotic death in A549 cancer cells through autophagy modulation. <b>2018</b> , 13, 2261-2282	23
601	The BET bromodomain inhibitor i-BET151 impairs ovarian cancer metastasis and improves antitumor immunity. <b>2018</b> , 374, 577-585	9
600	The Current Status of the Pharmaceutical Potential of L. Metabolites. <b>2018</b> , 5,	12
599	Idelalisib promotes Bim-dependent apoptosis through AKT/FoxO3a in hepatocellular carcinoma. <b>2018</b> , 9, 935	13
598	Necrostatin-1 ameliorates adjuvant arthritis rat articular chondrocyte injury via inhibiting ASIC1a-mediated necroptosis. <b>2018</b> , 504, 843-850	14
597	Trigonelline prevents high cholesterol and high fat diet induced hepatic lipid accumulation and lipo-toxicity in C57BL/6J mice, via restoration of hepatic autophagy. <b>2018</b> , 121, 283-296	27
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592	Selenoprotein-U (SelU) knockdown triggers autophagy through PI3K-Akt-mTOR pathway inhibition in rooster Sertoli cells. <b>2018</b> , 10, 929-940	10

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587	Manipulating Programmed Cell Death Pathways for Enhancing Salinity Tolerance in Crops. <b>2018</b> , 93-118	2
586	Inhibition of autophagy enhanced cobalt chloride-induced apoptosis in rat alveolar type II epithelial cells. <b>2018</b> , 18, 2124-2132	3
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584	Induction of apoptosis by Bigelovii A through inhibition of NF- $\kappa$ B activity. <b>2018</b> , 18, 1600-1608	3
583	Licochalcone A from licorice root, an inhibitor of human hepatoma cell growth via induction of cell apoptosis and cell cycle arrest. <b>2018</b> , 120, 407-417	64
582	Modes of cell death induced by tetrahydroisoquinoline-based analogs in MDA-MB-231 breast and A549 lung cancer cell lines. <b>2018</b> , 12, 1881-1904	6
581	p38 inhibitor inhibits the apoptosis of cowanin-treated human colorectal adenocarcinoma cells. <b>2018</b> , 52, 2031-2040	2
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579	Ru(II)-Thymine Complex Causes Cell Growth Inhibition and Induction of Caspase-Mediated Apoptosis in Human Promyelocytic Leukemia HL-60 Cells. <b>2018</b> , 19,	9
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575	Histone deacetylase inhibitor AR-42 inhibits breast cancer cell growth and demonstrates a synergistic effect in combination with 5-FU. <b>2018</b> , 16, 1967-1974	7
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573	Trehalose inhibits HO-induced autophagic death in dopaminergic SH-SY5Y cells via mitigation of ROS-dependent endoplasmic reticulum stress and AMPK activation. <b>2018</b> , 15, 1014-1024	13
572	Dasatinib promotes TRAIL-mediated apoptosis by upregulating CHOP-dependent death receptor 5 in gastric cancer. <b>2018</b> , 8, 732-742	8
571	Improved anticancer properties of stem cells derived exosomes by prolonged release from PCL nanofibrous structure. <b>2018</b> , 665, 105-110	7
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569	The anti-tumor effects of dual PI3K/mTOR inhibitor BEZ235 and histone deacetylase inhibitor Trichostatin A on inducing autophagy in esophageal squamous cell carcinoma. <b>2018</b> , 9, 987-997	17
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560	Inhibition of ANO1/TMEM16A induces apoptosis in human prostate carcinoma cells by activating TNF- $\beta$ signaling. <b>2018</b> , 9, 703	34
559	Toxicological Mechanisms of Engineered Nanomaterials: Role of Material Properties in Inducing Different Biological Responses. <b>2018</b> , 237-249	2
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557	Programmed necrosis in cardiomyocytes: mitochondria, death receptors and beyond. <b>2019</b> , 176, 4319-4339	28
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555	An oral 2-hydroxypropyl- $\beta$ -cyclodextrin-loaded spirooxindole-pyrrolizidine derivative restores p53 activity via targeting MDM2 and JNK1/2 in hepatocellular carcinoma. <b>2019</b> , 148, 104400	4
554	A novel 1,4-naphthoquinone-derived compound induces apoptotic cell death in breast cancer cells. <b>2019</b> , 43, 256-263	1
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548	Quercetin modulates signaling pathways and induces apoptosis in cervical cancer cells. <b>2019</b> , 39,	44
547	Jujube honey induces apoptosis in human hepatocellular carcinoma HepG2 cell via DNA damage, p53 expression, and caspase activation. <b>2019</b> , 43, e12998	8
546	rhEPO inhibited cell apoptosis to alleviate acute kidney injury in sepsis by AMPK/SIRT1 activated autophagy. <b>2019</b> , 517, 557-565	12
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544	ROS -mediated p53 activation by juglone enhances apoptosis and autophagy in vivo and in vitro. <b>2019</b> , 379, 114647	20
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541	Betulin and betulinic acid: triterpenoids derivatives with a powerful biological potential. <b>2019</b> , 18, 929-951	78
540	TRIM13 inhibited cell proliferation and induced cell apoptosis by regulating NF- $\kappa$ B pathway in non-small-cell lung carcinoma cells. <b>2019</b> , 715, 144015	16
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526	Bispanolol Induces Apoptosis and Suppresses Migration and Invasion of Glioblastoma Cells Likely Downregulation of MMP-2/9 Expression and p38MAPK Attenuation. <b>2019</b> , 10, 935	5
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513	The mannose 6-phosphate/insulin-like growth factor 2 receptor mediates plasminogen-induced efferocytosis. <b>2019</b> , 105, 519-530	2
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511	Bullfrog oil ( <i>Rana catesbeiana</i> Shaw) induces apoptosis, in A2058 human melanoma cells by mitochondrial dysfunction triggered by oxidative stress. <b>2019</b> , 117, 109103	5
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495	Gender specific differences of immune competence in the sea cucumber <i>Apostichopus japonicus</i> before and after spawning. <b>2019</b> , 90, 73-79	7
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474	Natural Genetic Variation Screen in Identifies Wnt Signaling, Mitochondrial Metabolism, and Redox Homeostasis Genes as Modifiers of Apoptosis. <b>2019</b> , 9, 3995-4005	4
473	Apoptosis induction effect of polyphenol on human U87 glioma cells via NF- $\kappa$ B pathway. <b>2019</b> , 15, 3723-3738	6
472	RASSF1A, puppeteer of cellular homeostasis, fights tumorigenesis, and metastasis-an updated review. <b>2019</b> , 10, 928	26
471	Apoptosis, Autophagy, and Pyroptosis: Immune Escape Strategies for Persistent Infection and Pathogenesis of Classical Swine Fever Virus. <b>2019</b> , 8,	8
470	Triacontanoic ester of 5''-hydroxyjustisolin: Tumour suppressive role in cervical cancer via Bcl-2, BAX and caspase-3 mediated signalling. <b>2019</b> , 6, 1198-1205	9
469	Emerging Therapeutic Targets in Oncologic Photodynamic Therapy. <b>2018</b> , 24, 5268-5295	7
468	Synthesis and preclinical validation of novel P2Y1 receptor ligands as a potent anti-prostate cancer agent. <b>2019</b> , 9, 18938	12
467	Polyphyllin VII Promotes Apoptosis and Autophagic Cell Death via ROS-Inhibited AKT Activity, and Sensitizes Glioma Cells to Temozolomide. <b>2019</b> , 2019, 1805635	14
466	Natural Naphthohydroquinone Dimer Rubioncolin C Exerts Anti-Tumor Activity by Inducing Apoptotic and Autophagic Cell Death and Inhibiting the NF- $\kappa$ B and Akt/mTOR/P70S6K Pathway in Human Cancer Cells. <b>2019</b> , 8,	4



465	Study of the mechanisms of crocetin-induced differentiation and apoptosis in human acute promyelocytic leukemia cells. <b>2018</b> , 120, 1943	7
464	Piceatannol-3-O- $\beta$ -D-glucopyranoside (PG) exhibits in vitro anti-metastatic and anti-angiogenic activities in HT1080 malignant fibrosarcoma cells. <b>2019</b> , 57, 95-104	3
463	Pseudolaric acid B exhibits anti-cancer activity on human hepatocellular carcinoma through inhibition of multiple carcinogenic signaling pathways. <b>2019</b> , 59, 152759	9
462	A Fluorogenic Probe for Cell Surface Phosphatidylserine Using an Intramolecular Indicator Displacement Sensing Mechanism. <b>2019</b> , 131, 3119-3123	7
461	The influence of selected $\Gamma$ mercaptocarboxylate ligands on physicochemical properties and biological activity of Cd-free, zinc-copper-indium sulfide colloidal nanocrystals. <b>2019</b> , 97, 583-592	6
460	Benzolactam-related compounds promote apoptosis of HIV-infected human cells via protein kinase C-induced HIV latency reversal. <b>2019</b> , 294, 116-129	16
459	TOM7 silencing exacerbates focal cerebral ischemia injury in rat by targeting PINK1/Beclin1-mediated autophagy. <b>2019</b> , 360, 113-119	6
458	A Fluorogenic Probe for Cell Surface Phosphatidylserine Using an Intramolecular Indicator Displacement Sensing Mechanism. <b>2019</b> , 58, 3087-3091	33
457	Carnosic acid potentiates the anticancer effect of temozolomide by inducing apoptosis and autophagy in glioma. <b>2019</b> , 141, 277-288	14
456	Anti-lung cancer activity and inhibitory mechanisms of a novel Calothrixin A derivative. <b>2019</b> , 219, 20-30	8
455	Remarkable apoptotic pathway of Hemiscorpius lepturus scorpion venom on CT26 cell line. <b>2019</b> , 35, 373-385	8
454	Metformin prevents cell tumorigenesis through autophagy-related cell death. <b>2019</b> , 9, 66	32
453	Albumin fusion improves the pharmacokinetics and in vivo antitumor efficacy of canine interferon gamma. <b>2019</b> , 558, 404-412	5
452	Stevioside mediated chemosensitization studies and cytotoxicity assay on breast cancer cell lines MDA-MB-231 and SKBR3. <b>2019</b> , 26, 1596-1601	9
451	Novel 3-(2,6,9-trisubstituted-9H-purine)-8-chalcone derivatives as potent anti-gastric cancer agents: Design, synthesis and structural optimization. <b>2019</b> , 161, 493-505	5
450	Endoplasmic reticulum stress, autophagic and apoptotic cell death, and immune activation by a natural triterpenoid in human prostate cancer cells. <b>2019</b> , 120, 6264-6276	3
449	miRNA-448 inhibits cell growth by targeting BCL-2 in hepatocellular carcinoma. <b>2019</b> , 51, 703-711	17
448	A new class of diamide scaffold: Design, synthesis and biological evaluation as potent antimitotic agents, tubulin polymerization inhibition and apoptosis inducing activity studies. <b>2019</b> , 84, 399-409	12

447	Functional BCL-2 rs2279115 Promoter Noncoding Variant Contributes to Glioma Predisposition, Especially in Males. <b>2019</b> , 38, 85-90	17
446	Apoptotic Effect of <i>Saccharomyces cerevisiae</i> on Human Colon Cancer SW480 Cells by Regulation of Akt/NF- $\kappa$ B Signaling Pathway. <b>2020</b> , 12, 311-319	14
445	Soyasapogenol B Attenuates Laryngeal Carcinoma Progression through Inducing Apoptotic and Autophagic Cell Death. <b>2020</b> , 303, 1851-1858	5
444	DNA-binding activity and cytotoxic and cell-cycle arrest properties of some new coumarin derivatives: a multispectral and computational investigation. <b>2020</b> , 35, 98-106	4
443	The cellular responses of autophagy, apoptosis, and 5-methylcytosine level in zebrafish cells upon nutrient deprivation stress. <b>2020</b> , 241, 124989	8
442	Real-time monitoring apoptosis and autophagy among multiple organelles by adjusting the slight structure. <b>2020</b> , 302, 127169	6
441	20(S)-Ginsenoside Rh2 displays efficacy against T-cell acute lymphoblastic leukemia through the PI3K/Akt/mTOR signal pathway. <b>2020</b> , 44, 725-737	13
440	Silencing of the cytokine receptor TNFRSF13B: A new therapeutic target for triple-negative breast cancer. <b>2020</b> , 125, 154790	7
439	Effects of Silver Nanoparticle from <i>Dicoma anomala</i> Sond. Root Extract on MCF-7 Cancer Cell Line and NF54 Parasite Strain: an In Vitro Study. <b>2020</b> , 195, 82-94	3
438	Zinc Deficiency Promotes Testicular Cell Apoptosis in Mice. <b>2020</b> , 195, 142-149	11
437	Ampelopsin Induces DR5-Mediated Apoptotic Cell Death in EBV-Infected Cells through the p38 Pathway. <b>2020</b> , 72, 489-494	2
436	MicroRNA-217-5p ameliorates endothelial cell apoptosis induced by ox-LDL by targeting CLIC4. <b>2020</b> , 30, 523-533	11
435	SNHG14 stimulates cell autophagy to facilitate cisplatin resistance of colorectal cancer by regulating miR-186/ATG14 axis. <b>2020</b> , 121, 109580	22
434	Evaluation of some genes and proteins involved in apoptosis on human chronic myeloid leukemia cells (K562 cells) by leaves aqueous extract. <b>2020</b> , 38, 4838-4849	5
433	Ganoderic acid DM induces autophagic apoptosis in non-small cell lung cancer cells by inhibiting the PI3K/Akt/mTOR activity. <b>2020</b> , 316, 108932	13
432	Foodomics evaluation of the anti-proliferative potential of <i>Passiflora mollissima</i> seeds. <b>2020</b> , 130, 108938	10
431	<i>Edwardsiella ictaluri</i> evpP is required for colonisation of channel catfish ovary cells and necrosis in anterior kidney macrophages. <b>2020</b> , 22, e13135	4
430	Electrochemical detection of cell concentration based on reaction of DNA with molybdate. <b>2020</b> , 31, 459-462	4

429	3'-sialyllactose targets cell surface protein, SIGLEC-3, and induces megakaryocyte differentiation and apoptosis by lipid raft-dependent endocytosis. <b>2020</b> , 37, 187-200	8
428	Trastuzumab in combination with AT-101 induces cytotoxicity and apoptosis in Her2 positive breast cancer cells. <b>2020</b> , 16, 4485-4495	2
427	Fluoride Inhibits Longitudinal Bone Growth by Acting Directly at the Growth Plate in Cultured Neonatal Rat Metatarsal Bones. <b>2020</b> , 197, 522-532	2
426	Marine bacterial surfactin CS30-2 induced necrosis-like cell death in Huh7.5 liver cancer cells. <b>2020</b> , 38, 826-833	2
425	Induction of Redox-Mediated Cell Death in ER-Positive and ER-Negative Breast Cancer Cells by a Copper(II)-Phenolate Complex: An In Vitro and In Silico Study. <b>2020</b> , 25,	3
424	Enhancement of HIFU thermal therapy in perfused tissue models using micron-sized FTAC-stabilized PFOB-core endovascular sonosensitizers. <b>2020</b> , 37, 1116-1130	3
423	Phytochemical profile of Anacardium occidentale L. (cashew tree) and the cytotoxic and toxicological evaluation of its bark and leaf extracts. <b>2020</b> , 135, 355-364	7
422	CTEN Induces Tumour Cell Invasion and Survival and Is Prognostic in Radiotherapy-Treated Head and Neck Cancer. <b>2020</b> , 12,	2
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420	plant extract exhibits cytotoxicity in breast cancer cells by inducing multiple programmed cell death pathways. <b>2020</b> , 28, 1155-1165	5
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418	Molecular Mechanisms and Biological Functions of Autophagy for Genetics of Hearing Impairment. <b>2020</b> , 11,	3
417	Baohuoside I via mTOR Apoptotic Signaling to Inhibit Glioma Cell Growth. <b>2020</b> , 12, 11435-11444	5
416	Decoding Asymptomatic COVID-19 Infection and Transmission. <b>2020</b> , 11, 10007-10015	33
415	Traditional Uyghur medicine Quercus infectoria galls water extract triggers apoptosis and autophagic cell death in colorectal cancer cells. <b>2020</b> , 20, 371	1
414	Deep Eutectic Solvents and Nonconventional Technologies for Blueberry-Peel Extraction: Kinetics, Anthocyanin Stability, and Antiproliferative Activity. <b>2020</b> , 9,	23
413	Costunolide Induces Autophagy and Apoptosis by Activating ROS/MAPK Signaling Pathways in Renal Cell Carcinoma. <b>2020</b> , 10, 582273	8
412	Saponins Extracted from Tea () Flowers Induces Autophagy in Ovarian Cancer Cells. <b>2020</b> , 25,	2

411	Bta-miR-98 Suppresses Replication of Caprine Parainfluenza Virus Type 3 Through Inhibiting Apoptosis by Targeting Caspase-3. <b>2020</b> , 11, 1575	3
410	Elephantopus mollis Kunth extracts induce antiproliferation and apoptosis in human lung cancer and myeloid leukemia cells. <b>2020</b> , 263, 113222	4
409	Autophagy as a Potential Therapy for Malignant Glioma. <b>2020</b> , 13,	26
408	Pfaffia glomerata hydroalcoholic extract stimulates penile tissue in adult Swiss mice. <b>2020</b> , 261, 113182	6
407	Autophagy regulates exosome secretion in rat nucleus pulposus cells via the RhoC/ROCK2 pathway. <b>2020</b> , 395, 112239	9
406	Novel HDAC/Tubulin Dual Inhibitor: Design, Synthesis and Docking Studies of $\beta$ -Phthalimido-Chalcone Hybrids as Potential Anticancer Agents with Apoptosis-Inducing Activity. <b>2020</b> , 14, 3111-3130	6
405	Piceatannol, a Natural Analog of Resveratrol, Exerts Anti-angiogenic Efficiencies by Blockage of Vascular Endothelial Growth Factor Binding to Its Receptor. <b>2020</b> , 25,	8
404	AMPK/mTOR/ULK1 Axis-Mediated Pathway Participates in Apoptosis and Autophagy Induction by Oridonin in Colon Cancer DLD-1 Cells. <b>2020</b> , 13, 8533-8545	6
403	Burst release of encapsulated annexin A5 in tumours boosts cytotoxic T-cell responses by blocking the phagocytosis of apoptotic cells. <b>2020</b> , 4, 1102-1116	35
402	RRM2 protects against ferroptosis and is a tumor biomarker for liver cancer. <b>2020</b> , 20, 587	21
401	EGFR-rich extracellular vesicles derived from highly metastatic nasopharyngeal carcinoma cells accelerate tumour metastasis through PI3K/AKT pathway-suppressed ROS. <b>2020</b> , 10, e12003	12
400	Apigenin 7-O-glucoside promotes cell apoptosis through the PTEN/PI3K/AKT pathway and inhibits cell migration in cervical cancer HeLa cells. <b>2020</b> , 146, 111843	28
399	Crosstalk of MicroRNAs and Oxidative Stress in the Pathogenesis of Cancer. <b>2020</b> , 2020, 2415324	25
398	Proteomic Comparison of the Cytotoxicology of Two Diastereomers of Citreamicin Reveals Differentially Activation of NF- $\kappa$ B Pathway. <b>2020</b> , 7,	
397	Microfluidics-Molded Through-Hole Membranes for 3D Culture Array-Based Tumor Manipulation and Analysis. <b>2020</b> , 5, 2000084	4
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395	Induction of programmed necrosis: A novel anti-cancer strategy for natural compounds. <b>2020</b> , 214, 107593	12
394	Microvesicles derived from squamous cell carcinoma induce cell death, autophagy, and invasion of benign myoepithelial cells. <b>2020</b> , 49, 761-770	0

393	GIN52 affects cell viability, cell apoptosis, and cell cycle progression of pancreatic cancer cells via MAPK/ERK pathway. <b>2020</b> , 11, 4662-4670	7
392	Antitumor potential of carrageenans from marine red algae. <b>2020</b> , 246, 116568	40
391	Cell Death Mechanisms of the Promising Anticancer Compound Gallotannin. <b>2020</b> ,	
390	Detection of cell-surface phosphatidylserine using the fluorogenic probe P-IID. <b>2020</b> , 640, 291-307	2
389	TAF1L promotes development of oral squamous cell carcinoma via decreasing autophagy-dependent apoptosis. <b>2020</b> , 16, 1180-1193	2
388	The biological mechanism involved in anticancer properties of amniotic membrane. <b>2020</b> , 14, 429	2
387	Disulfiram/copper markedly induced myeloma cell apoptosis through activation of JNK and intrinsic and extrinsic apoptosis pathways. <b>2020</b> , 126, 110048	15
386	Biogenic silver, gold and copper nanoparticles - A sustainable green chemistry approach for cancer therapy. <b>2020</b> , 16, 100247	22
385	Cell Death Pathways in Ischemic Stroke and Targeted Pharmacotherapy. <b>2020</b> , 11, 1185-1202	70
384	Increased putrescine levels due to ODC1 overexpression prevents mitochondrial dysfunction-related apoptosis induced by methylmercury. <b>2020</b> , 256, 118031	1
383	Novel Chrysin-De-Allyl PAC-1 Hybrid Analogues as Anticancer Compounds: Design, Synthesis, and Biological Evaluation. <b>2020</b> , 25,	2
382	Dapagliflozin improves behavioral dysfunction of Huntington's disease in rats via inhibiting apoptosis-related glycolysis. <b>2020</b> , 257, 118076	12
381	The Antiproliferation Activity of Ganoderma formosanum Extracts on Prostate Cancer Cells. <b>2020</b> , 48, 219-227	1
380	Strategy of Hepatic Metabolic Defects Induced by Heterozygosity in Adult Zebrafish. <b>2020</b> , 21,	3
379	Mechanisms and Therapeutic Regulation of Pyroptosis in Inflammatory Diseases and Cancer. <b>2020</b> , 21,	51
378	Organic/inorganic nanohybrids rejuvenate photodynamic cancer therapy. <b>2020</b> , 8, 4748-4763	26
377	Cell death induction by extract is independent of mitochondria and dependent on Caspase-7. <b>2020</b> , 10, 123	1
376	Radiosensitization of Clioquinol Combined with Zinc in the Nasopharyngeal Cancer Stem-like Cells by Inhibiting Autophagy in Vitro and in. <b>2020</b> , 16, 777-789	7

375	Molecular Mechanisms of Anticancer Activities of Puerarin. <b>2020</b> , 12, 79-90	20
374	Noncoding RNAs: New regulatory code in chondrocyte apoptosis and autophagy. <b>2020</b> , 11, e1584	27
373	Fluoride resistance in fibroblasts is conferred via reduced susceptibility to oxidative stress and apoptosis. <b>2020</b> , 10, 362-370	2
372	Antiproliferative and apoptotic effects of proteins from black seeds ( <i>Nigella sativa</i> ) on human breast MCF-7 cancer cell line. <b>2020</b> , 20, 5	13
371	mRNAs biomarker related to the control of proliferation and cell death in HepG2/C3A spheroid and monolayer cultures treated with piperlongumine. <b>2020</b> , 40,	
370	Combined Anastrozole and Antiplatelet Therapy Treatment Differentially Promotes Breast Cancer Cell Survival. <b>2020</b> , 26, 497-508	2
369	Diallyl Trisulfide (DATS) Suppresses AGE-Induced Cardiomyocyte Apoptosis by Targeting ROS-Mediated PKC $\alpha$ Activation. <b>2020</b> , 21,	11
368	Metformin in combination with JS-K inhibits growth of renal cell carcinoma cells via reactive oxygen species activation and inducing DNA breaks. <b>2020</b> , 11, 3701-3712	10
367	CACNA1H downregulation induces skeletal muscle atrophy involving endoplasmic reticulum stress activation and autophagy flux blockade. <b>2020</b> , 11, 279	7
366	Dexmedetomidine protects intestinal ischemia-reperfusion injury via inhibiting p38 MAPK cascades. <b>2020</b> , 115, 104444	7
365	Epigallocatechin-3-Gallate Induces Apoptosis as a TRAIL Sensitizer via Activation of Caspase 8 and Death Receptor 5 in Human Colon Cancer Cells. <b>2020</b> , 8,	5
364	Comprehensive Map of the Regulated Cell Death Signaling Network: A Powerful Analytical Tool for Studying Diseases. <b>2020</b> , 12,	0
363	Hypoxia-induced acetylation of PAK1 enhances autophagy and promotes brain tumorigenesis via phosphorylating ATG5. <b>2021</b> , 17, 723-742	29
362	Induction of caspase-2 gene expression in carboxyl-functionalized carbon nanotube-treated human T-cell leukemia (Jurkat) cell line. <b>2021</b> , 44, 394-399	2
361	Light-emitting diode irradiation induces AKT/mTOR-mediated apoptosis in human pancreatic cancer cells and xenograft mouse model. <b>2021</b> , 236, 1362-1374	2
360	Internally Responsive Nanomaterials for Activatable Multimodal Imaging of Cancer. <b>2021</b> , 10, e2000690	9
359	Cancer diagnostics based on plasma protein biomarkers: hard times but great expectations. <b>2021</b> , 15, 1715-1726	8
358	Folliculin deficient renal cancer cells exhibit BRCA1 A complex expression impairment and sensitivity to PARP1 inhibitor olaparib. <b>2021</b> , 769, 145243	2

357	Gene expression profile involved in signaling and apoptosis of osteoblasts in contact with cellulose/MWCNTs scaffolds. <b>2021</b> , 118, 111531	0
356	Methoxyeugenol regulates the p53/p21 pathway and suppresses human endometrial cancer cell proliferation. <b>2021</b> , 267, 113645	8
355	Discovery of a novel small-molecule inhibitor of Fam20C that induces apoptosis and inhibits migration in triple negative breast cancer. <b>2021</b> , 210, 113088	4
354	Genome-wide CRISPR-Cas9 screening in <i>Bombyx mori</i> reveals the toxicological mechanisms of environmental pollutants, fluoride and cadmium. <b>2021</b> , 410, 124666	1
353	A convenient fluorescent probe for monitoring lysosomal pH change and imaging mitophagy in living cells. <b>2021</b> , 330, 129363	8
352	Molecular mechanisms of anticancer activities of polyphyllin VII. <b>2021</b> , 97, 914-929	3
351	Fructose-1,6-bisphosphate induces generation of reactive oxygen species and activation of p53-dependent cell death in human endometrial cancer cells. <b>2021</b> , 41, 1050-1062	1
350	Photodynamic antitumor activity of aggregation-induced emission luminogens as chemosensitizers for paclitaxel by concurrent induction of apoptosis and autophagic cell death. <b>2021</b> , 5, 3448-3457	4
349	Overcoming barriers in photodynamic therapy harnessing nano-formulation strategies. <b>2021</b> , 50, 9152-9201	56
348	A narrative review of multiple mechanisms of progranulin in cancer: a potential target for anti-cancer therapy.. <b>2021</b> , 10, 4207-4216	0
347	iPSCs for modeling influenza infection. <b>2021</b> , 47-67	
346	Bluetongue Viruses Act as Novel Oncolytic Viruses to Effectively Inhibit Human Renal Cancer Cell Growth In Vitro and In Vivo. <b>2021</b> , 27, e930634	1
345	Isolation and anticancer effect of brucine in human colon adenocarcinoma cells HT-29. <b>2021</b> , 17, 367	
344	Differential roles of farnesoid X receptor (FXR) in modulating apoptosis in cancer cells. <b>2021</b> , 126, 63-90	1
343	In Vitro Apoptotic Cell Death Assessment. <b>2021</b> , 2240, 243-261	0
342	Epigenetic aberrations in cervical cancer. <b>2021</b> , 343-370	
341	Flavonoids as Inducers of Apoptosis and Autophagy in Breast Cancer. <b>2021</b> , 147-196	0
340	Effects of Plant Extracts on the Transcriptional Activity of Nuclear Factor-B. <b>2021</b> , 15, 18-28	



339	A dual-channel fluorescent probe for monitoring pH changes in lysosomes during autophagy.	0
338	LPS Preconditioning Attenuates Apoptosis Mechanism by Inhibiting NF- $\kappa$ B and Caspase-3 Activity: TLR4 Pre-activation in the Signaling Pathway of LPS-Induced Neuroprotection. <b>2021</b> , 58, 2407-2422	5
337	Prognostic Value of Apoptosis-Inducing Factor (AIF) in Germ Cell Tumors. <b>2021</b> , 13,	0
336	The function of lncRNAs in the pathogenesis of osteoarthritis. <b>2021</b> , 10, 122-133	11
335	Application of Advanced Mass Spectrometry-Based Proteomics to Study Hypoxia Driven Cancer Progression. <b>2021</b> , 11, 559822	5
334	Design, Synthesis, Anticancer Activity, and Solid Lipid Nanoparticle Formulation of Indole- and Benzimidazole-Based Compounds as Pro-Apoptotic Agents Targeting Bcl-2 Protein. <b>2021</b> , 14,	5
333	Prenylated flavonoids in foods and their applications on cancer prevention. <b>2021</b> , 1-14	5
332	Integrated transcriptome and in vitro analysis revealed antiproliferative effects on human gastric cancer cells by a benzimidazole-quinoline copper(II) complex. <b>2021</b> , 102, 286-295	2
331	The Two-Faced Role of SIRT6 in Cancer. <b>2021</b> , 13,	8
330	Multi-Arm PEG/Peptidomimetic Conjugate Inhibitors of DR6/APP Interaction Block Hematogenous Tumor Cell Extravasation. <b>2021</b> , 8, e2003558	5
329	Peppers: A "Hot" Natural Source for Antitumor Compounds. <b>2021</b> , 26,	0
328	Apoptosis and autophagy modulating dietary phytochemicals in cancer therapeutics: Current evidences and future perspectives. <b>2021</b> , 35, 4194-4214	16
327	Development of a Microwave Resonator and Effects of Electric and Magnetic Fields on Cultured Cancer Cells. <b>2021</b> , 37, 15-24	1
326	A Newly Characterized Potentially Probiotic Strain, Lactobacillus brevis MK05, and the Toxicity Effects of its Secretory Proteins Against MCF-7 Breast Cancer Cells. <b>2021</b> , 13, 982-992	2
325	Long noncoding RNA (lncRNA) induces chemoresistance of gastric cancer via autophagy activation. <b>2021</b> , 1-19	22
324	LLL12B, a small molecule STAT3 inhibitor, induces growth arrest, apoptosis, and enhances cisplatin-mediated cytotoxicity in medulloblastoma cells. <b>2021</b> , 11, 6517	2
323	Metabolic and Amino Acid Alterations of the Tumor Microenvironment. <b>2021</b> , 28, 1270-1289	5
322	hTERT Downregulation Attenuates Resistance to DOX, Impairs FAK-Mediated Adhesion, and Leads to Autophagy Induction in Breast Cancer Cells. <b>2021</b> , 10,	2



321	Cell Death after Photodynamic Therapy Treatment in Unicellular Protozoan Parasite <i>Trichomonas foetus</i> .	
320	SNHG9, a Papillary Thyroid Cancer Cell Exosome-Enriched lncRNA, Inhibits Cell Autophagy and Promotes Cell Apoptosis of Normal Thyroid Epithelial Cell Nthy-ori-3 Through YBOX3/P21 Pathway. <b>2021</b> , 11, 647034	3
319	A novel dual HDAC and HSP90 inhibitor, MPT0G449, downregulates oncogenic pathways in human acute leukemia in vitro and in vivo. <b>2021</b> , 10, 39	2
318	Thiazole Ring-A Biologically Active Scaffold. <b>2021</b> , 26,	26
317	Growth Inhibitory Effects of Ester Derivatives of Menahydroquinone-4, the Reduced Form of Vitamin K, on All-Trans Retinoic Acid-Resistant HL60 Cell Line. <b>2021</b> , 13,	1
316	Targeting nonapoptotic pathways with functionalized nanoparticles for cancer therapy: current and future perspectives. <b>2021</b> , 16, 1049-1065	5
315	RAF-MEK-ERK pathway in cancer evolution and treatment. <b>2021</b> ,	7
314	Mechanistic Actions between Essential Oil and 2 Deoxy-d-glucose in Cultured PANC-1 Human Pancreatic Cancer Cells. <b>2021</b> , 26,	1
313	A Systematic Review of Biosynthesized Metallic Nanoparticles as a Promising Anti-Cancer-Strategy. <b>2021</b> , 13,	26
312	Lycopene prevents oxygen-glucose deprivation-induced autophagic death in SH-SY5Y cells via inhibition of the oxidative stress-activated AMPK/mTOR pathway. <b>2021</b> , 24,	1
311	Dehydrocrenatidine extracted from induces the apoptosis of nasopharyngeal carcinoma cells through the JNK and ERK signaling pathways. <b>2021</b> , 46,	2
310	The Preparation of CuInS-ZnS-Glutathione Quantum Dots and Their Application on the Sensitive Determination of Cytochrome and Imaging of HeLa Cells. <b>2021</b> , 6, 17501-17509	3
309	Combined Anticancer Effect of Plasma-Activated Infusion and Salinomycin by Targeting Autophagy and Mitochondrial Morphology. <b>2021</b> , 11, 593127	4
308	Ochratoxin A induces human kidney tubular epithelial cell apoptosis through regulating lipid raft/PTEN/AKT signaling pathway. <b>2021</b> , 36, 1880-1885	5
307	Cell death pathways and viruses: Role of microRNAs. <b>2021</b> , 24, 487-511	12
306	Tomatine, a novel early-stage autophagy inhibitor, inhibits autophagy to enhance apoptosis via Beclin-1 in Skov3 cells. <b>2021</b> , 152, 104911	3
305	Extract from <i>Zanthoxylum piperitum</i> Induces Apoptosis of AGS Gastric Cancer Cells Through Akt/MDM2/p53 Signaling Pathway. <b>2021</b> , 27, 752-759	1
304	Asiaticoside reduces autophagy and improves memory in a rat model of dementia through mTOR signaling pathway regulation. <b>2021</b> , 24,	2

303	Concise synthesis and biological evaluation of 2-Aryl-3-Anilinobenzo[b]thiophene derivatives as potent apoptosis-inducing agents. <b>2021</b> , 112, 104919	0
302	Establishment and Validation of a Comprehensive Prognostic Model for Patients With HNSCC Metastasis. <b>2021</b> , 12, 685104	0
301	Bisphenol A exposure induces apoptosis and impairs early embryonic development in <i>Xenopus laevis</i> . <b>2021</b> , 280, 116901	5
300	LncRNA SOX2OT alleviates mesangial cell proliferation and fibrosis in diabetic nephropathy via Akt/mTOR-mediated autophagy. <b>2021</b> , 27, 71	5
299	The Molecular Biology of Benign and Malignant Salivary Gland Tumors. <b>2021</b> , 269-299	
298	Triclabendazole Induces Pyroptosis by Activating Caspase-3 to Cleave GSDME in Breast Cancer Cells. <b>2021</b> , 12, 670081	4
297	β-Glucan: A dual regulator of apoptosis and cell proliferation. <b>2021</b> , 182, 1229-1237	1
296	Autophagy upregulation may explain inhibition of oral carcinoma in situ by photobiomodulation in vitro. <b>2021</b> , 221, 112245	1
295	Role of Luteolin-Induced Apoptosis and Autophagy in Human Glioblastoma Cell Lines. <b>2021</b> , 57,	3
294	Alkylaminophenol and GPR17 Agonist for Glioblastoma Therapy: A Combinational Approach for Enhanced Cell Death Activity. <b>2021</b> , 10,	0
293	Antitumor Effects of Astaxanthin on Esophageal Squamous Cell Carcinoma by up-Regulation of PPARα <b>2021</b> , 1-12	1
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