

## Cell Counting Kit-8 (CCK-8)

### Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage:

Store at low temperature,Keep away from direct sunlight

-20°C for 2 years, 4°C for 1 year

Actual storage temperature shall be subject to the COA.

### Biological Description

Description

Cell Counting Kit-8 (CCK-8) allows very convenient assays by utilizing the highly water-soluble tetrazolium salt WST-8 [2-(2-methoxy-4-nitrophenyl)-3-(4-nitrophenyl)-5-(2,4-disulfophenyl)-2H-tetrazolium,monosodium salt] produces a water-soluble formazan dye upon reduction in the presence of an electron carrier. Cell Counting Kit-8 is a one-bottle solution; no premixing of components is required. Cell Counting Kit- 8, being nonradioactive, allows sensitive colorimetric assays for the determination of the number of viable cells in cell proliferation and cytotoxicity assays.

## Reference

- Liu X, Meng J, Liao X, et al. A de novo missense mutation in MPP2 confers an increased risk of Vogt-Koyanagi-Harada disease as shown by trio-based whole-exome sequencing. *Cellular & Molecular Immunology*. 2023: 1-14.
- Zhou W, Wang W, Liang Y, et al. The RNA-binding protein LRPPRC promotes resistance to CDK4/6 inhibition in lung cancer. *Nature Communications*. 2023, 14(1): 4212.
- Wang J, Zhang Y, Liu C, et al. Trivalent mRNA Vaccine against SARS-CoV-2 and Variants with Effective Immunization. *Molecular Pharmaceutics*. 2023
- Zhao Y, Huang S, Xie R, et al. Extracellular ATP accelerates cell death and decreases tight junction protein ZO-1 in hypoxic cochlear strial marginal cells in neonatal rats. *Cellular Signalling*. 2023: 110732.
- Zhang Y, Wan X, Yang X, et al. eIF3i promotes colorectal cancer cell survival via augmenting PHGDH translation. *Journal of Biological Chemistry*. 2023: 105177.
- Xiong Q, Zhou Y, Zhang S, et al. NSD3, a member of nuclear receptor-binding SET domain family, is a potential prognostic biomarker for pancreatic cancer. *Cancer Medicine*. 2023
- Yan J, Wu J, Wang Y, et al. A novel RBBP8 (p. E281\*) germline mutation is a predisposing mutation in familial hereditary cancer syndrome. *Journal of Molecular Medicine*. 2023: 1-11.
- Ge Y, Lu H, Yang B, et al. Small Molecule-Activated O-GlcNAcase for Spatiotemporal Removal of O-GlcNAc in Live Cells. *ACS Chemical Biology*. 2023
- Luo J F, Yue L, Wu T T, et al. Triterpenoid and Coumarin Isolated from *Astilbe grandis* with Anti-Inflammatory Effects through Inhibiting the NF- $\kappa$ B Pathway in LPS-Induced RAW264. 7 Cells. *Molecules*. 2023, 28(15): 5731.
- Chen Y, Wang Z, Zhang D, et al. Construction of diene-extended meso-CF<sub>3</sub>-BODIPY for spectroscopic study and photothermal exploration. *Dyes and Pigments*. 2023: 111500.
- Zheng M, Zhang Y, Xu Y, et al. Chemoproteomics and Phosphoproteomics Profiling Reveals Salvianolic Acid A as a Covalent Inhibitor of mTORC1. *Journal of Proteome Research*. 2023
- Li D, Tian L, Nan P, et al. CerS6 triggered by high glucose activating the TLR4/IKK $\beta$  pathway regulates ferroptosis of LO2 cells through mitochondrial oxidative stress. *Molecular and Cellular Endocrinology*. 2023: 111969.
- Pan Y, Luan X, Zeng F, et al. Logic-gated tumor-microenvironment nanoamplifier enables targeted delivery of CRISPR/Cas9 for multimodal cancer therapy. *Acta Pharmaceutica Sinica B*. 2023
- Hu J, He Q, Tian T, et al. Transmission of Exosomal TPX2 Promotes Metastasis and Resistance of NSCLC Cells to Docetaxel. *OncoTargets and Therapy*. 2023: 197-210.
- Hou Z, Yan M, Li H, et al. Variable p53/Nrf2 crosstalk contributes to triptolide-induced hepatotoxic process. *Toxicology Letters*. 2023
- Yeh Y W, Huang C C, Kuo W S, et al. Multifunctional Hydrogel Dressing That Carries Three Antibiotics Simultaneously and Enables Real-Time Ultrasound Bacterial Colony Detection. *ACS omega*. 2023
- Wu Y, Zhou T, Qian D, et al. Z-Guggulsterone Induces Cell Cycle Arrest and Apoptosis by Targeting the p53/CCNB1/PLK1 Pathway in Triple-Negative Breast Cancer. *ACS Omega*. 2023
- Huo Z, Min D, Zhang S, et al. Discovery of Novel Tubulin CBSI (R)-9k from Indanone Scaffold for the Treatment of Colorectal Cancer. *RSC Medicinal Chemistry*. 2023
- Xia R F, Su J C, Yu J, et al. Anti-inflammatory lanostane triterpenoids with rearranged spirobi [indene] scaffold and their biogenetically related analogues from *Euphorbia maculata*. *Phytochemistry*. 2023: 113682.
- Mo S, Huang Z, Ye Z, et al. Ten undescribed eremophilane and guaiane sesquiterpenes from *Penicillium roqueforti*. *Phytochemistry*. 2023: 113722.
- Qiao L, Chen Y, Dou X, et al. Biogenic Selenium Nanoparticles Attenuate A $\beta$ 25-35-Induced Toxicity in PC12 Cells via Akt/CREB/BDNF Signaling Pathway. *Neurotoxicity Research*. 2022: 1-13.
- Wang T, Wang L, Li W, et al. Fowl adenovirus serotype 4 enters leghorn male hepatocellular cells via the clathrin-mediated endocytosis pathway. *Veterinary Research*. 2023, 54(1): 1-14.
- Zhu Y, Yang J, Li Y, et al. Demethylase FTO enhances the PI3K/Akt signaling to promote gastric cancer malignancy. *Medical Oncology*. 2023, 40(5): 130.
- Liang X L, Ouyang L, Yu N N, et al. Histone deacetylase inhibitor pracinostat suppresses colorectal cancer by inducing CDK5-Drp1 signaling-mediated peripheral mitofission. *Journal of Pharmaceutical Analysis*. 2023
- Zhang L, Sun L, Wang L, et al. Mitochondrial division inhibitor (mdivi-1) inhibits proliferation and epithelial-mesenchymal transition via the NF- $\kappa$ B pathway in thyroid cancer cells. *Toxicology in Vitro*. 2023: 105552.
- Bai W, Zhu T, Zuo J, et al. Delivery of SAV-siRNA via Exosomes from Adipose-Derived Stem Cells for the Treatment of

- Myocardial Infarction. *Tissue Engineering and Regenerative Medicine*.2023: 1-15.
- Dong S, Wang J, Guo Z, et al. Efficient Delivery of VEGFA mRNA for Promoting Wound Healing via Ionizable Lipid Nanoparticles. *Bioorganic & Medicinal Chemistry*.2022: 117135.
- Wang L, Li R, Zang Z, et al. 6-Methoxydihydrosanguinarine exhibits cytotoxicity and sensitizes TRAIL-induced apoptosis of hepatocellular carcinoma cells through ROS-mediated upregulation of DR5. *Medical Oncology*.2023, 40(9): 266.
- Sun Z, Yan T, Jiang H, et al. Claudin-3 facilitates the progression and mediates the tumorigenic effects of TGF- $\beta$  in glioblastoma multiforme. *Medical Oncology*.2023, 40(9): 268.
- Jiao L, Xu T, Du X, et al. The Inhibition Effects of Sodium Nitroprusside on the Survival of Differentiated Neural Stem Cells through the p38 Pathway. *Brain Sciences*.2023, 13(3): 438.
- Zhou T, Wu Y, Qian D, et al. OTUD1 Chemosensitizes Triple-negative Breast Cancer to Doxorubicin by Modulating P16 Expression. *Pathology-Research and Practice*.2023: 154571.
- Wang T, Wang C, Han J, et al.  $\beta$ -catenin facilitates fowl adenovirus serotype 4 replication through enhancing virus-induced autophagy. *Veterinary Microbiology*.2022: 109617.
- Zhang L, Yi Y, Wang T, et al. 25-Hydroxycholesterol inhibits classical swine fever virus entry into porcine alveolar macrophages by depleting plasma membrane cholesterol. *Veterinary Microbiology*.2023: 109668.
- Dang L, Li P, Dan W, et al. Glycoproteomic analysis of regulatory effects of bisecting N-glycans on N-glycan biosynthesis and protein expressions in human HK-2 cells. *Carbohydrate Research*.2023: 108894.
- Li Q S, Zheng P S. ESRRB inhibits the TGF- $\beta$  signaling pathway to drive cell proliferation in cervical cancer. *Cancer Research*.2023: CAN-23-0067.
- Huang Q, Ma J, Wu H, et al. PDE-5-Inhibited BMSCs Alleviate High Glucose-Induced Myocardial Fibrosis and Cardiomyocyte Apoptosis by Activating the cGMP/PKG Pathway. *Frontiers in Bioscience-Landmark*.2023, 28(7): 155.
- Su Z, Luo M, Chen Z L, et al. Comparison of the Ways in Which Nitidine Chloride and Bufalin Induce Programmed Cell Death in Hematological Tumor Cells. *Applied Biochemistry and Biotechnology*.2023: 1-11.
- Petrova A, Tretyakova E, Khusnutdinova E, et al. Antiviral opportunities of Mannich bases derived from triterpenic N-propargylated indoles. *Chemical Biology & Drug Design*.2023
- He J, He J. Baicalin mitigated IL-1 $\beta$ -Induced osteoarthritis chondrocytes damage through activating mitophagy. *Chemical Biology & Drug Design*.2023
- Zhang H, Liu J, Dang Q, et al. Ribosomal protein RPL5 regulates colon cancer cell proliferation and migration through MAPK/ERK signaling pathway. *BMC Molecular and Cell Biology*.2022, 23(1): 1-13.
- Chen J, Lei C, Zhang H, et al. RPL11 promotes non-small cell lung cancer cell proliferation by regulating endoplasmic reticulum stress and cell autophagy. *BMC Molecular and Cell Biology*.2023, 24(1): 1-12.
- Hu H, Luo Z, Liu X, et al. Sestrin2 Overexpression Ameliorates Endoplasmic Reticulum Stress-Induced Apoptosis via Inhibiting mTOR Pathway in HepG2 Cells. *International Journal of Endocrinology*.2022
- Cai Y, Chen S, Jiang X, et al. LncRNA X Inactive Specific Transcript Exerts a Protective Effect on High Glucose-Induced Podocytes by Promoting the Podocyte Autophagy via miR-30d-5p/BECN-1 Axis. *International Journal of Endocrinology*.2023
- Xu X, Hou D, Wang Y, et al. Knockdown of NF- $\kappa$ B activating protein promotes pancreatic cancer growth and metastasis through mTOR signaling pathway. *Molecular Biology Reports*.2023: 1-13.
- Huang B, He Z. Protein Kinase D1 Correlates with Less Lymph Node Metastasis Risk, Enhanced 5-FU Sensitivity, and Better Prognosis in Colorectal Cancer. *The Tohoku Journal of Experimental Medicine*.2023
- Bi G, Liang J, Shan G, et al. Retinol saturase mediates retinoid metabolism to impair a ferroptosis defense system in cancer cells. *Cancer Research*.2023: CAN-22-3977.
- Tan J, Zhong M, Hu Y, et al. Ritanserin suppresses acute myeloid leukemia by inhibiting DGK $\alpha$  to downregulate phospholipase D and the Jak-Stat/MAPK pathway. *Discover Oncology*.2023, 14(1): 118.
- Shi D, Liu W, Zhang X, et al. MiR-BART1-3p and BART18-5p inhibit cell migration, proliferation and activate autophagy in Epstein-Barr virus-associated gastric cancer by targeting erythropoietin-producing human hepatocellular 2. *Virus Genes*.2023: 1-13.
- Zhu Q, Jiao H, Zhao K, et al. Biomimetic Synthesis and Mechanism of Hydroxyapatite Crystals by Biotemplate of Small Intestinal Submucosa and Bacterial Cellulose. *Crystal Research and Technology*.2023: 2300037.
- Su J, Thakur A, Pan G, et al. Morus alba derived Kuwanon: A combined with 5-fluorouracil reduce tumor progression via synergistic activation of GADD153 in gastric cancer. *MedComm-Oncology*.2023, 2(1): e24.
- Wang B, Pei J, Zhang H, et al. Dihydropyridine-derived calcium channel blocker as a promising anti-hantavirus

- entry inhibitor. *Interventions for emerging infectious diseases*. 2023, 16648714.
- Wang S. Piperine Derivatives as Modulators of Amyloid-Beta (A $\beta$ ) Aggregation. University of Waterloo. 2023
- Wu L L, Jiang W M, Liu Z Y, et al. AMG-510 and cisplatin combination increases antitumor effect in lung adenocarcinoma with mutation of KRAS G12C: a preclinical and translational research. *Discover Oncology*. 2023, 14 (1): 91.
- Chung F Y, Huang C R, Chen C S, et al. Natural nanogels crosslinked with S-benzyl-L-cysteine exhibit potent antibacterial activity. *Biomaterials Advances*. 2023: 213551.
- Deng Y, Zhang Y, Chen X H, et al. Antibacterial activity evaluation of pleuromutilin derivatives with 4 (3H)-quinazolinone scaffold against methicillin-resistant *Staphylococcus aureus*. *European Journal of Medicinal Chemistry*. 2022: 114960.
- Qin J, Li H, Wang X, et al. Discovery of a novel piperlongumine analogue as a microtubule polymerization inhibitor with potent anti-angiogenic and anti-metastatic efficacy. *European Journal of Medicinal Chemistry*. 2022: 114738.
- Cui Y, Lv B, Li Z, et al. Bone-Targeted Biomimetic Nanogels Re-Establish Osteoblast/Osteoclast Balance to Treat Postmenopausal Osteoporosis. *Small*. 2023: 2303494.
- Li C, Wang W, Sun Y, et al. Selective sorting and secretion of hY4 RNA fragments into extracellular vesicles mediated by methylated YBX1 to promote lung cancer progression. *Journal of Experimental & Clinical Cancer Research*. 2022, 41(1): 1-20
- Fu L, Ye F, Feng Y, et al. Both Boceprevir and GC376 efficaciously inhibit SARS-CoV-2 by targeting its main protease. *Nature communications*. 2020 Sep 4;11(1):4417. doi: 10.1038/s41467-020-18233-x.
- Yi Y, Gao K, Zhang L, et al. Zearalenone Induces MLKL-Dependent Necroptosis in Goat Endometrial Stromal Cells via the Calcium Overload/ROS Pathway. *International Journal of Molecular Sciences*. 2022, 23(17): 10170.
- Zhang H, Liu X, Chen Y, et al. KDOAM-25 Overcomes Resistance to MEK Inhibitors by Targeting KDM5B in Uveal Melanoma. *BioMed Research International*. 2022
- Li D, Sun A, Zhang L, et al. Elevated ITGA5 facilitates hyperactivated mTORC1-mediated progression of laryngeal squamous cell carcinoma via upregulation of EFN2. *Theranostics*. 2022; 12(17): 7431-7449
- Chen L, Qian J, You Q, et al. LIM domain-containing 2 (LIMD2) promotes the progress of ovarian cancer via the focal adhesion signaling pathway. *Bioengineered*. 2021 (just-accepted).
- Qi M, Fan S, Huang M, et al. Targeting FAP $\alpha$ -expressing hepatic stellate cells overcomes resistance to anti-angiogenics in colorectal cancer liver metastasis models. *The Journal of Clinical Investigation*. 2022
- Dai H, Wang J, Huang Z, et al. LncRNA OIP5-AS1 Promotes the Autophagy-Related Imatinib Resistance in Chronic Myeloid Leukemia Cells by Regulating miR-30e-5p/ATG12 Axis. *Technology in cancer research & treatment*. 2021, 20: 15330338211052150.
- Zhang L, Liu X, Huang M, et al. Metformin Inhibits HaCaT Cell Proliferation Under Hyperlipidemia Through Reducing Reactive Oxygen Species via FOXO3 Activation. *Clinical, Cosmetic and Investigational Dermatology*. 2022, 15: 1403.
- Duan Y, Bu P, Guo Y, et al. ( $\pm$ )-Walskiiglucinol A, a pair of rearranged acylphloroglucinol derivative enantiomers from *Hypericum przewalskii*. *Organic & Biomolecular Chemistry*. 2022
- Shi S, Gu H, Xu J, et al. Glia maturation factor beta deficiency protects against diabetic osteoporosis by suppressing osteoclast hyperactivity. *Experimental & Molecular Medicine*. 2023: 1-12.
- Liu X, Yang J, Yang C, et al. Morphine promotes the malignant biological behavior of non-small cell lung cancer cells through the MOR/Src/mTOR pathway. *Cancer Cell International*. 2021, 21(1): 1-14
- Shao Y, Zheng C, Liu K, et al. Extraction optimization, purification, and biological properties of polysaccharide from Chinese yam peel. *Journal of Food Biochemistry*. 2022: e14490.
- Zhao Z, Gong F, Duan L, et al. Somatostatin receptor ligands suppressed proliferation and lipogenesis in 3T3-L1 preadipocytes. *Basic & Clinical Pharmacology & Toxicology*. 2022
- Nan G, Huang L, Li Y, et al. Identification of N, C-capped di- and tripeptides as selective immunoproteasome inhibitors. *European Journal of Medicinal Chemistry*. 2022, 234: 114252
- Wang Y, Zhu M, Liang J, et al. Diterpenoids from the whole plant of *Euphorbia wallichii* and their protective effects on H<sub>2</sub>O<sub>2</sub>-induced BV-2 microglial cells injury. *Bioorganic Chemistry*. 2022, 128: 106067
- Wei J, Chen X, Li Y, et al. Cucurbitacin B-induced G2/M cell cycle arrest of conjunctival melanoma cells mediated by GRP78-FOXO1-KIF20A pathway. *Acta Pharmaceutica Sinica B*. 2022
- Liu S, Zhang Y, Qiu L, et al. Uncovering N4-Acetylcytidine-Related mRNA Modification Pattern and Landscape of Stemness and Immunity in Hepatocellular Carcinoma. *Frontiers in Cell and Developmental Biology*. 2022

- Huang R, Chen D, Wang H, et al. SFRP2 is a Novel Diagnostic Biomarker and Suppresses the Proliferation of Pituitary Adenoma. *Journal of Oncology*. 2022
- Xi H, Ren F, Li Y, et al. FSH inhibits autophagy and lysosomal biogenesis to regulate protein degradation in cultured goat Sertoli cells. *Molecular and Cellular Endocrinology*. 2021: 111505.
- Jin C, Ou Q, Chen J, et al. Chaperone-mediated autophagy plays an important role in regulating retinal progenitor cell homeostasis. *Stem Cell Research & Therapy*. 2022, 13(1): 1-14
- Deng Z, Wang Y, Liu J, et al. WBP2 restrains the lysosomal degradation of GPX4 to inhibit ferroptosis in cisplatin-induced acute kidney injury. *Redox Biology*. 2023: 102826.
- Duan Y, Deng Y, Bu P, et al. Discovery of Bioactive Polycyclic Polyprenylated Acylphloroglucinols from *Hypericum wilsonii*. *Bioorganic Chemistry*. 2021: 105246.
- Shi C J, Li S Y, Shen C H, et al. Icariside II suppressed tumorigenesis by epigenetically regulating the circ $\beta$ -catenin-Wnt/ $\beta$ -catenin axis in colorectal cancer. *Bioorganic Chemistry*. 2022, 124: 105800
- Zhang G, Yu H, Su J, et al. Identification of Key Genes Associated with Endothelial Cell Dysfunction in Atherosclerosis Using Multiple Bioinformatics Tools. *BioMed Research International*. 2022, 2022.
- Huang Y, Ding Y, Tong Z, et al. pH-responsive hybrid platelet membrane-coated nanobomb with deep tumor penetration ability and enhanced cancer thermal/chemodynamic therapy. *Theranostics*. 2022, 12(9): 4250
- Yang W, Pan L, Cheng Y, et al. Nintedanib alleviates pulmonary fibrosis in vitro and in vivo by inhibiting the FAK/ERK/S100A4 signalling pathway. *International Immunopharmacology*. 2022, 113: 109409.
- Huang T, Feng X, Wang J, et al. Calcium-Related Genes Predicting Outcomes and Serving as Therapeutic Targets in Endometrial Cancer. *Cells*. 2022, 11(19): 3156.
- Yu P, Luo J, Song H, et al. N-acetylcysteine Ameliorates Vancomycin-induced Nephrotoxicity by Inhibiting Oxidative Stress and Apoptosis in the in vivo and in vitro Models. *International Journal of Medical Sciences*. 2022, 19(4): 740-752
- Qiu H, Gong H, Bao Y, et al. Reactive Oxygen Species Scavenging Hollow MnO<sub>2</sub> Nanozymes as Carriers Deliver Budesonide for the Synergistic Inflammatory Bowel Disease Therapy. *Biomaterials Science*. 2021
- Wu Z, Li J, Sun Z, et al. Vlasoulides AD, four new C<sub>30</sub> dimeric sesquiterpenes exhibiting potential inhibition of MCF-7 cells from *Vladimiria souliei*. *Fitoterapia*. 2022: 105234
- Zhang M, Li Q, Li S, et al. An unprecedented ergostane with a 6/6/5 tricyclic 13 (14 $\rightarrow$ 8) abeo-8, 14-seco skeleton from *Talaromyces adpressus*. *Bioorganic Chemistry*. 2022: 105943
- Zeng Z, Li T, Liu X, et al. DNA dioxygenases TET2 deficiency promotes cigarette smoke induced chronic obstructive pulmonary disease by inducing ferroptosis of lung epithelial cell. *Redox Biology*. 2023: 102916.
- Li W, Gou X, Xu D, et al. Therapeutic effects of JLX001 on neuronal necroptosis after cerebral ischemia-reperfusion in rats. *Experimental Brain Research*. 2022: 1-16.
- Xiong X, Dang W, Luo R, et al. A graphene-based fluorescent nanoprobe for simultaneous imaging of dual miRNAs in living cells. *Talanta*. 2020: 121947.
- Bian W, Tang M, Jiang H, et al. Low-density-lipoprotein-receptor-related protein 1 mediates Notch pathway activation. *Developmental Cell*. 2021 Oct 25;56(20):2902-2919.e8. doi: 10.1016/j.devcel.2021.09.015. Epub 2021 Oct 8.
- Wei Z, Zeng K, Hu J, et al. USP10 deubiquitinates Tau, mediating its aggregation. *Cell Death & Disease*. 2022, 13(8): 1-12.
- Xi H, Hu Z, Han S, et al. FSH-inhibited autophagy protects against oxidative stress in goat Sertoli cells through p62-Nrf2 pathway. *Theriogenology*. 2022
- Li S, Deng G, Su J, et al. A novel all-trans retinoic acid derivative regulates cell cycle and differentiation of myelodysplastic syndrome cells by USO1. *European Journal of Pharmacology*. 2021, 906: 174199.
- Zhao C C, Guo H, Wang Y, et al. Comprehensive upstream and downstream regulatory analyses identify miR-675-3p as a potential prognostic biomarker in melanoma. *Human Cell*, 1-13. 2021 Mar;34(2):654-666. doi: 10.1007/s13577-020-00473-0. Epub 2021 Jan 5.
- Ming J, Xu Q, Gao L, et al. Kinsenoside Alleviates 17 $\alpha$ -Ethinylestradiol-Induced Cholestatic Liver Injury in Rats by Inhibiting Inflammatory Responses and Regulating FXR-Mediated Bile Acid Homeostasis. *Pharmaceuticals*. 2021, 14(5): 452.
- Duan Y, Deng Y, Bu P, et al. Discovery of nor-bicyclic polyprenylated acylphloroglucinols possessing diverse architectures with anti-hepatoma activities from *Hypericum patulum*. *Bioorganic Chemistry*. 2021, 111: 104902.
- Yu, Lu, et al. Embryonic stem cell-derived extracellular vesicles promote the recovery of kidney injury. *Stem Cell*

Research & Therapy. 12.1 (2021): 1-17.

Li X, Gu L, Chen Y, et al. A novel 450-nm laser-mediated sinoporphyrin sodium-based photodynamic therapy induces autophagic cell death in gastric cancer through regulation of the ROS/PI3K/Akt/mTOR signaling pathway. *BMC medicine*. 2022, 20(1): 1-20.

Wang K, Ou Z, Deng G, et al. The Translational Landscape Revealed the Sequential Treatment Containing ATRA Plus PI3K/AKT Inhibitors as an Efficient Strategy for AML Therapy. *Pharmaceutics*. 2022, 14(11): 2329.

Bu X, Qu X, Guo K, et al. CD147 confers temozolomide resistance of glioma cells via the regulation of  $\beta$ -TrCP/Nrf2 pathway. *International Journal of Biological Sciences*. 2021, 17(12): 3013-3023.

Feng P, Qi Y, Li N, et al. Scutebarbatine A induces cytotoxicity in hepatocellular carcinoma via activation of the MAPK and ER stress signaling pathways. *Journal of Biochemical and Molecular Toxicology*. 2021 May;35(5): e22731. doi: 10.1002/jbt.22731. Epub 2021 Jan 29.

Yuan P, Luo Y, Ma L. NIR-triggered hydrogel with dynamic stiffness via ion chelation to modulate macrophage phenotypes. *Journal of Polymer Science*. 2022;1-10.

Lin M H C, Lai P S, Chang L C, et al. Characterization and Optimization of Chitosan-Coated Polybutylcyanoacrylate Nanoparticles for the Transfection-Guided Neural Differentiation of Mouse Induced Pluripotent Stem Cells. *International Journal of Molecular Sciences*. 2021, 22(16): 8741.

Zhu, Yalin, et al. Targeting FEN1 Suppresses the Proliferation of Chronic Myeloid Leukemia Cells Through Regulating Alternative End-Joining Pathways. *DNA and Cell Biology*. 2021

Long, Ying, et al. A hybrid membrane coating nanodrug system against gastric cancer via VEGFR2/STAT3 signaling pathway. *Journal of Materials Chemistry B*. 2021 May 12;9(18):3838-3855. doi: 10.1039/d1tb00029b.

Yu H, Tong Z, Bai T, et al. Self-crosslinked poly-L-ornithine and poly-L-arginine networks: Synthesis, characterization, pH-responsibility, biocompatibility, and AIE-functionality. *Journal of Applied Polymer Science*. 2021, 138(32): 50802.

Ma Y, Luo L, Liu X, et al. Pirfenidone mediates cigarette smoke extract induced inflammation and oxidative stress in vitro and in vivo. *International Immunopharmacology*. 2021, 96: 107593.

Zhao J, Zeng Z, Chen Y, et al. Lipid droplets are beneficial for rabies virus replication by facilitating viral budding. *Journal of Virology*. 2021: JVI. 01473-21.

Yu L, Wen H, Liu C, et al. Embryonic stem cell-derived extracellular vesicles rejuvenate senescent cells and antagonize aging in mice. *Bioactive Materials*. 2023, 29: 85-97.

Zhao X, Lian X, Xie J, et al. Accumulated cholesterol protects tumours from elevated lipid peroxidation in the microenvironment. *Redox Biology*. 2023: 102678.

Zhang Y, Feng P, Wang H, et al. Licochalcone B induces DNA damage, cell cycle arrest, apoptosis, and enhances TRAIL sensitivity in hepatocellular carcinoma cells. *Chemico-Biological Interactions*. 2022, 365: 110076.

Lv B, Ma J, Wang Y, et al. Mitochondria-Targeted Mesoporous Organic Silica Nanoplatforams for Overcoming Cisplatin Resistance by Disturbing Mitochondrial Redox Homeostasis. *Frontiers in Chemistry*. 2022, 10

Yao S, Yin J, Liu W, et al. A novel Gboxin analog induces OXPHOS inhibition and mitochondrial dysfunction-mediated apoptosis in diffuse large B-cell lymphoma. *Bioorganic Chemistry*. 2022: 106019

Hu H, Jiang H, Zhang K, et al. Memantine nitrate MN-08 suppresses NLRP3 inflammasome activation to protect against sepsis-induced acute lung injury in mice. *Biomedicine & Pharmacotherapy*. 2022, 156: 113804

Jin T, Chen C. Umbelliferone delays the progression of diabetic nephropathy by inhibiting ferroptosis through activation of the Nrf-2/HO-1 pathway. *Food and Chemical Toxicology*. 2022: 112892.

Li J, Zhang Z, Feng X, et al. Stanniocalcin-2 promotes cell EMT and glycolysis via activating ITGB2/FAK/SOX6 signaling pathway in nasopharyngeal carcinoma. *Cell Biology and Toxicology*. 2022 Apr;38(2):259-272. doi: 10.1007/s10565-021-09600-5. Epub 2021 Apr 2.

Mo S, Yin J, Ye Z, et al. Asperanstinoids A-E: Undescribed 3, 5-dimethylorsellinic acid-based meroterpenoids from *Aspergillus calidoustus*. *Phytochemistry*. 2021, 190: 112892.

Zhang Y R, Zheng P S. NEK2 inactivates the Hippo pathway to advance the proliferation of cervical cancer cells by cooperating with STRIPAK complexes. *Cancer Letters*. 2022: 215917.

Zhou L, Zhou J, Chen T, et al. Identification of Ascomycin against Zika virus infection through screening of natural product library. *Antiviral Research*. 2021: 105210.

Wang X, Wu J, Wang W, et al. Reprogramming of Rat Fibroblasts into Induced Neurons by Small-Molecule Compounds In Vitro and In Vivo. *ACS Chemical Neuroscience*. 2022

Zhang H, Hu H, Dai Y, et al. A conductive multifunctional hydrogel dressing with the synergistic effect of ROS-

- scavenging and electroactivity for the treatment and sensing of chronic diabetic wounds. *Acta Biomaterialia*. 2023
- Li P, Hao Z, Liu H, et al. Quantitative Proteomics Analysis of Berberine-Treated Colon Cancer Cells Reveals Potential Therapy Targets. *Biology-Basel*. 2021, 10(3): 250.
- Gu L, Chen Y, Li X, et al. Integrated Analysis and Identification of Critical RNA-Binding Proteins in Bladder Cancer. *Cancers*. 2022, 14(15): 3739.
- Liu X, Yang J, Yang C, et al. Morphine promotes the malignant biological behavior of non-small cell lung cancer cells through the MOR/Src/mTOR pathway. *Cancer Cell International*. 2021, 21(1): 1-14
- Song Y, Yang J, Hu X, et al. A stepwise strategy integrating metabolomics and pseudotargeted spectrum-effect relationship to elucidate the potential hepatotoxic components in *Polygonum multiflorum*. *Frontiers in pharmacology*. 2022, 13: 935336-935336.
- Li, Jiawei, et al. Broad-Spectrum Reactive Oxygen Species Scavenging and Activated Macrophage-Targeting Microparticles Ameliorate Inflammatory Bowel Disease. *Biomacromolecules*. 2021
- Xie Z S, Zhou Z Y, Sun L Q, et al. Structure-based virtual screening towards the discovery of novel FOXM1 inhibitors. *Future Medicinal Chemistry*. 2021 (0).
- Li J, Sun Y, Ma Y, et al. Comprehensive Pan-Cancer Analysis of IRAK Family Genes Identifies IRAK1 as a Novel Oncogene in Low-Grade Glioma. *Journal of Oncology*. 2022, 2022.
- Cheng M, Cui X, Tang Y, et al. Total Synthesis of Leptochartamides A and B: Two Enantiomeric Pairs of Hydroxybenzyl Dimers from a Deep-Sea Fungus *Leptosphaerulina chartarum*. *The Journal of Organic Chemistry*. 2022
- Zhou J, Lu Y, Jia Y, et al. Ketogenic Diet Ameliorates Lipid Dysregulation in Type 2 Diabetic Mice by Downregulating Hepatic Pscadillo 1. *Molecular Medicine*. 2022, 28(1): 1-16.
- Tao T, Luo D, Gao C, et al. Src homology 2 domain-containing protein tyrosine phosphatase promotes inflammation and accelerates osteoarthritis by activating  $\beta$ -catenin. *Frontiers in Cell and Developmental Biology*. 2021 Apr 9;9:646386. doi: 10.3389/fcell.2021.646386. eCollection 2021.
- Yang H, Wu Q, Li J, et al. In Vivo Fate of CXCR2-Overexpressing Mesenchymal Stromal/Stem Cells in Pulmonary Diseases Monitored by Near-Infrared Region 2 Imaging. *ACS Applied Materials & Interfaces*. 2023
- Chen J, Ou Q, Wang Z, et al. Small-Molecule Induction Promotes Corneal Endothelial Cell Differentiation From Human iPS Cells. *Frontiers in Bioengineering and Biotechnology*. 2021, 9.
- Ding Z, Dai C, Shan W, et al. TNF- $\alpha$  up-regulates Nanog by activating NF- $\kappa$ B pathway to induce primary rat spinal cord astrocytes dedifferentiation. *Life Sciences*. 2021: 120126.
- Fu D, Huang Y, Wang S, et al. HAGLROS knockdown restrained cell proliferation, migration and invasion and facilitated apoptosis in laryngeal cancer via miR-138-5p/CLN5 axis. *Journal of Clinical Laboratory Analysis*. 2022: e24712.
- Jia Q, Fu J, Gao C, et al. MrgX2-SNAP-tag/cell membrane chromatography model coupled with liquid chromatography-mass spectrometry for anti-pseudo-allergic compound screening in *Arnebiae Radix*. *Analytical and Bioanalytical Chemistry*. 2022: 1-13
- Xiao Y, Tian J, Wu W C, et al. Targeting central nervous system extracellular vesicles enhanced triiodothyronine remyelination effect on experimental autoimmune encephalomyelitis. *Bioactive Materials*. 2021
- Tian S, Zhang B, He Y, et al. CRISPR-iPAS: a novel dCAS13-based method for alternative polyadenylation interference. *Nucleic acids research*. 2022, 50(5): e26-e26.
- Hu T, Pan C, Zhang T, et al. Nrf2 overexpression increases the resistance of acute myeloid leukemia to cytarabine by inhibiting replication factor C4. *Cancer Gene Therapy*. 2022: 1-18
- Tian Q, Zhou Y, Zhu L, et al. Development and validation of a ferroptosis-related gene signature for overall survival prediction in lung adenocarcinoma. *Frontiers in Cell and Developmental Biology*. 2021, 9.
- Wang C, Hu R, Duan L, et al. The canonical Wnt/ $\beta$ -catenin signaling pathway facilitates pseudorabies virus proliferation and enhances virus-induced autophagy. *Veterinary Microbiology*. 2022: 109502
- Xu R, Xiao X, Zhang S, et al. The methyltransferase METTL3-mediated fatty acid metabolism revealed the mechanism of cinnamaldehyde on alleviating steatosis. *Biomedicine & Pharmacotherapy*. 2022, 153: 113367
- Wu J, Liu Y, Cao M, et al. Cancer-Responsive Multifunctional Nanoplatfrom Based on Peptide Self-Assembly for Highly Efficient Combined Cancer Therapy by Alleviating Hypoxia and Improving the Immunosuppressive Microenvironment. *ACS Applied Materials & Interfaces*. 2023
- Sun K, Jiang J, Wang Y, et al. The role of nerve fibers and their neurotransmitters in regulating intervertebral disc degeneration. *Ageing Research Reviews*. 2022: 101733.

- Zhang R, Tan Y, Yong C, et al. Pirfenidone ameliorates early pulmonary fibrosis in LPS-induced acute respiratory distress syndrome by inhibiting endothelial-to-mesenchymal transition via the Hedgehog signaling pathway. *International Immunopharmacology*. 2022, 109: 108805
- Gao Y, Zhu J, Zhao C, et al. 60Coy induction improves the protective effect of *Acetobacter pasteurianus* against ionizing radiation in mice. *Applied Microbiology and Biotechnology*. 2021: 1-11.
- Ma J, Wang K, Chai J, et al. High RSK4 Expression Constitutes a Predictor of Poor Prognosis for Patients with Clear Cell Renal Carcinoma. *Pathology-Research and Practice*. 2021: 153642.
- Tian-Qi C, Yan-Fang D, Yan-Yan W, et al. Butyrolactone I attenuates inflammation in murine NASH by inhibiting the NF- $\kappa$ B signaling pathway. *Biochemical and Biophysical Research Communications*. 2022, 626: 167-174.
- Zhai Z, Ouyang W, Yao Y, et al. Dexamethasone-loaded ROS-responsive poly (thioketal) nanoparticles suppress inflammation and oxidative stress of acute lung injury. *Bioactive Materials*. 2022
- Cai J, Gao L, Wang Y, et al. TMBIM1 promotes proliferation and attenuates apoptosis in glioblastoma cells by targeting the p38 MAPK signalling pathway. *Translational Oncology*. 2022, 19: 101391.
- Tang X, Sun Y, Xu C, et al. Caffeine Induces Autophagy and Apoptosis in Auditory Hair Cells via the SGK1/HIF-1 $\alpha$  Pathway. *Frontiers in cell and developmental biology*. 2021, 9: 751012-751012
- Yu Z, Li H, Jia Y Y, et al. Ratiometric co-delivery of doxorubicin and docetaxel by covalently conjugating with mPEG-poly ( $\beta$ -malic acid) for enhanced synergistic breast tumor therapy. *Polymer Chemistry*. 2020, 11(46): 7330-7339
- Yang H, Ding Y, Tong Z, et al. pH-responsive hybrid platelet membrane-coated nanobomb with deep tumor penetration ability and enhanced cancer thermal/chemodynamic therapy. *Theranostics*. 2022, 12(9): 4250
- Zhang H, Liang J, Lu T, et al. AGRN promotes lung adenocarcinoma progression by activating Notch signaling pathway and acts as a therapeutic target. *Pharmacological Research*. 2023: 106819.
- Chen A, Xu M, Chen J, et al. Plasma-based Endogenous Metabolomics Profiling of High-Risk Human Papillomavirus and Their Emerging Roles in the Progression of Cervical Cancer. *BioMed Research International*. 2021
- Li C, Wang W, Sun Y, et al. Selective sorting and secretion of hY4 RNA fragments into extracellular vesicles mediated by methylated YBX1 to promote lung cancer progression. *Journal of Experimental & Clinical Cancer Research*. 2022, 41(1): 1-20
- Wang R, Xie S, Zhu S, et al. Targeting matrix metalloproteinase 2 by hydroxyurea selectively kills acute myeloid mixed-lineage leukemia. *Cell Death Discovery*. 2022, 8(1): 1-10
- Li S, Shi C, Fu W, et al. Berberine inhibits tumour growth in vivo and in vitro through suppressing the lincROR-Wnt/ $\beta$ -catenin regulatory axis in colorectal cancer. *Journal of Pharmacy and Pharmacology*. 2022
- Fan J, Qin Y, Xiao C, et al. Biomimetic PLGA-based nanocomplexes for improved tumor penetration to enhance chemo-photodynamic therapy against metastasis of TNBC. *Materials Today Advances*. 2022, 16: 100289
- Hsieh C C, Hsieh M J, Wang Y H, et al. Macrophage Distribution Affected by Virus-Encoded Granulocyte Macrophage Colony Stimulating Factor Combined with Lactate Oxidase. *ACS Omega*. 2022
- Lu D, Wang C, Qu L, et al. Histone Deacetylase and Enhancer of Zeste Homologue 2 Dual Inhibitors Presenting a Synergistic Effect for the Treatment of Hematological Malignancies. *Journal of Medicinal Chemistry*. 2022
- Ma M, Fan A, Liu Z, et al. Baohuoside I Inhibits Osteoclastogenesis and Protects Against Ovariectomy-Induced Bone Loss. *Frontiers in Pharmacology*. 2022, 13
- Zhu C, Ma Q, Gong L, et al. Manganese-Based Multifunctional Nanoplatform for Dual-modal Imaging and Synergistic Therapy of Breast Cancer. *Acta Biomaterialia*. 2022
- Guo H, Wang J, Ren S, et al. Targeting EGFR-dependent tumors by disrupting an ARF6-mediated sorting system. *Nature communications*. 2022, 13(1): 1-15.
- Tian Z, Xu C, He W, et al. The deubiquitinating enzyme USP19 facilitates hepatocellular carcinoma progression through stabilizing YAP. *Cancer Letters*. 2023: 216439.
- Peng X, Yang R, Peng W, et al. Overexpression of LINC00551 promotes autophagy-dependent ferroptosis of lung adenocarcinoma via upregulating DDIT4 by sponging miR-4328. *PeerJ*. 2022, 10: e14180.
- Li X, Wang D, Li S, et al. Discovery of N-(1, 3, 4-thiadiazol-2-yl) benzamide derivatives containing a 6, 7-methoxyquinoline structure as novel EGFR/HER-2 dual-target inhibitors against cancer growth and angiogenesis. *Bioorganic Chemistry*. 2021: 105469.
- Wang Y Y, Xia K, Wang Z X, et al. Osteocyte exosomes accelerate benign prostatic hyperplasia development. *Molecular and Cellular Endocrinology*. 2021: 111301.
- Gao Y, Xiao X, Luo J, et al. E3 Ubiquitin Ligase FBXO3 Drives Neuroinflammation to Aggravate Cerebral Ischemia/Reperfusion Injury. *International Journal of Molecular Sciences*. 2022, 23(21): 13648.

- Yuan P, Luo Y, Luo Y, et al. A'Sandwich'Cell Culture Platform with NIR-Responsive Dynamic Stiffness to Modulate Macrophage Phenotypes. *Biomaterials Science*. 2021 Apr 7;9(7):2553-2561
- Huang J, Wang C, Lu S, et al. Oroxin B Attenuates Ovariectomy-Induced Bone Loss by Suppressing Osteoclast Formation and Activity. *Drug Design, Development and Therapy*. 2021, 15: 4811-4825.
- Chen R, Huang M, Yang X, et al. CALR-TLR4 Complex Inhibits Non-Small Cell Lung Cancer Progression by Regulating the Migration and Maturation of Dendritic Cells. *Frontiers in Oncology*. 2021: 4017.
- Liu S, Fu P, Ning K, et al. HIF-1 $\alpha$  Negatively Regulates Irisin Expression Which Involves in Muscle Atrophy Induced by Hypoxia. *International journal of molecular sciences*. 2022, 23(2): 887.
- Zhang N, Xiong L L, Sun D J, et al. Anti-inflammatory scalemic chromanoids and chromenoids from *Rhododendron dauricum*. *Fitoterapia*. 2022: 105300.
- Zhou Y, Lin B, Li K, et al. Preparation of Near-Infrared/Photoacoustic Dual-Mode Imaging and Photothermal/Chemo Synergistic Theranostic Nanoparticles and Their Imaging and Treating of Hepatic Carcinoma. *Frontiers in Oncology*. 2021: 3636.
- Sequera C, Grattarola M, Holczbauer A, et al. MYC and MET cooperatively drive hepatocellular carcinoma with distinct molecular traits and vulnerabilities. *Cell death & disease*. 2022, 13(11): 1-15.
- Jin C, Ou Q, Chen J, et al. Chaperone-Mediated Autophagy Plays an Important Role in Regulating Retinal Progenitor Cell Homeostasis. *Stem Cell Research & Therapy*. 2021
- Liu Y, Jin R, Lu H, et al. Fragment-Based Discovery of AF9 YEATS Domain Inhibitors. *International Journal of Molecular Sciences*. 2022, 23(7): 3893.
- Xu Y, Zhang C, Jiang K, et al. Structural repurposing of SGLT2 inhibitor empagliflozin for strengthening anti-heart failure activity with lower glycosuria. *Acta Pharmaceutica Sinica B*. 2022
- Zheng Y, Gao N, Zhang W, et al. Melatonin Alleviates the Oxygen-Glucose Deprivation/Reperfusion-Induced Pyroptosis of HEI-OC1 Cells and Cochlear Hair Cells via MT-1, 2/Nrf2 (NFE2L2)/ROS/NLRP3 Pathway. *Molecular Neurobiology*. 2022: 1-14.
- Lv Q Z, Ni T J H, Li L P, et al. A New Antifungal Agent (4-phenyl-1, 3-thiazol-2-yl) Hydrazine Induces Oxidative Damage in *Candida albicans*. *Frontiers in Cellular and Infection Microbiology*. 2020, 10: 557
- Che J, Lv H, Yang J, et al. Iron overload induces apoptosis of osteoblast cells via eliciting ER stress-mediated mitochondrial dysfunction and p-eIF2 $\alpha$ /ATF4/CHOP pathway in vitro. *Cellular Signalling*. 2021 Aug;84:110024. doi: 10.1016/j.cellsig.2021.110024. Epub 2021 Apr 24.
- Li J, Sun Y, Sun X, et al. AEG-1 silencing attenuates M2-polarization of glioma-associated microglia/macrophages and sensitizes glioma cells to temozolomide. *Scientific reports*. 2021, 11(1): 1-12.
- Yuan P, Luo Y, Luo Y, et al. A "Sandwich" Cell Culture Platform with NIR-responsive Dynamic Stiffness to Modulate Macrophage Phenotypes. *Biomaterials Science*. 2021 Apr 7;9(7):2553-2561. doi: 10.1039/d0bm02194f. Epub 2021 Feb 12.
- Ding Z, Dai C, Zhong L, et al. Neuregulin-1 converts reactive astrocytes toward oligodendrocyte lineage cells via upregulating the PI3K-AKT-mTOR pathway to repair spinal cord injury. *Biomedicine & Pharmacotherapy*. 2021 Feb; 134:111168. doi: 10.1016/j.biopha.2020.111168. Epub 2021 Jan 1.
- Zhao B, Zhao J, Lv M, et al. Comparative study of structural properties and biological activities of polysaccharides extracted from *Chroogomphus rutilus* by four different approaches. *International Journal of Biological Macromolecules*. 2021
- Li J, Sun Y, Zhao X, et al. Radiation induces IRAK1 expression to promote radioresistance by suppressing autophagic cell death via decreasing the ubiquitination of PRDX1 in glioma cells. *Cell Death & Disease*. 2023, 14(4): 1-16.
- Li Y, Wang Y, Gao L, et al. Betulinic acid self-assembled nanoparticles for effective treatment of glioblastoma. *Journal of Nanobiotechnology*. 2022, 20(1): 1-13.
- Qian Y, Shanbo M, Shaojie H, et al. Integrating bioinformatics with pharmacological evaluation for illustrating the action mechanism of herbal formula Jiao'e mixture in suppressing lung carcinoma. *Journal of Ethnopharmacology*. 2021: 114513.
- Ma Y, Liu X, Luo L, et al. Effect of pirfenidone protecting against cigarette smoke extract induced apoptosis. *Tobacco Induced Diseases*. 2022, 20(February): 1-6.
- LV X W, Wu X, Liu Z, et al. CD73 Aggravates Alcohol-Related Liver Fibrosis by Promoting Autophagy Mediated Activation of Hepatic Stellate Cells Through Ampk/Akt/Mtor Signaling Pathway. *International Immunopharmacology*. 2022 Oct 30;113(Pt A):109229.

- Qin X, Liu B, Gao F, et al. Gluconolactone Alleviates Myocardial Ischemia/Reperfusion Injury and Arrhythmias via Activating PKC $\epsilon$ /Extracellular Signal-Regulated Kinase Signaling. *Frontiers in Physiology*. 2022: 455.
- Ye J, Liu J, Tang T, et al. LINC00963 affects the development of colorectal cancer via MiR-532-3p/HMGA2 axis. *Cancer Cell International*. 2021 Feb 3;21(1):87. doi: 10.1186/s12935-020-01706-w.
- Yang X, Mei C, Ma X, et al. m6A Methylases Regulate Myoblast Proliferation, Apoptosis and Differentiation. *Animals*. 2022, 12(6): 773.
- Yang X, Wei W, Tan S, et al. Identification and verification of HCAR3 and INSL5 as new potential therapeutic targets of colorectal cancer. *World journal of surgical oncology*. 2021, 19(1): 1-12.
- Wang J, Liang Y, Qin Y, et al. circCRKL, a circRNA derived from CRKL, regulates BCR-ABL via sponging miR-877-5p to promote chronic myeloid leukemia cell proliferation. *Journal of Translational Medicine*. 2022, 20(1): 1-15
- Gou J, Li H, Bi J, et al. Transfer of IGF2BP3 Through Ara-C-Induced Apoptotic Bodies Promotes Survival of Recipient Cells. *Frontiers in Oncology*. 2022
- Guo F, Ma J, Li C, et al. PRR15 deficiency facilitates malignant progression by mediating PI3K/Akt signaling and predicts clinical prognosis in triple-negative rather than non-triple-negative breast cancer. *Cell Death & Disease*. 2023, 14(4): 272.
- He S W, Zhang Y, Chen L, et al. Gemcitabine synergizes with cisplatin to inhibit nasopharyngeal carcinoma cell proliferation and tumor growth. *The FASEB Journal*. 2021, 35(10): e21885.
- Wang C, Wang T, Dai J, et al. 1-Formyl- $\beta$ -carboline Derivatives Block Newcastle Disease Virus Proliferation through Suppressing Viral Adsorption and Entry Processes. *Biomolecules*. 2021, 11(11): 1687.
- Pan J, Su J C, Liu Y H, et al. Stelleranoids A-M, guaiane-type sesquiterpenoids based on [5, 7] bicyclic system from *Stellera chamaejasme* and their cytotoxic activity. *Bioorganic Chemistry*. 2021: 105251.
- Zhang F, Hu G, Chen X, et al. Excessive branched-chain amino acid accumulation restricts mesenchymal stem cell-based therapy efficacy in myocardial infarction. *Signal Transduction and Targeted Therapy*. 2022, 7(1): 1-18
- Liu N, Jiang F, Chen Z, et al. circIFT80 Functions as a ceRNA for miR-142, miR-568, and miR-634 and Promotes the Progression of Colorectal Cancer by Targeting  $\beta$ -Catenin. *Disease Markers*. 2022
- Chen A, Xu M, Chen J, et al. Plasma-Based Metabolomics Profiling of High-Risk Human Papillomavirus and their Emerging Roles in the Progression of Cervical Cancer. *BioMed Research International*. 2022
- Zhao Z, Wu T, Cui Y, et al. Design and Fabrication of Nanofibrous Dura Mater with Antifibrosis and Neuroprotection Effects on SH-SY5Y Cells. *Polymers*. 2022, 14(9): 1882
- Jin L, Zhu Z, Hong L, et al. ROS-responsive 18 $\beta$ -glycyrrhetic acid-conjugated polymeric nanoparticles mediate neuroprotection in ischemic stroke through HMGB1 inhibition and microglia polarization regulation. *Bioactive Materials*. 2023, 19: 38-49.
- Chen Y F, Yeh Y T, Su Y C, et al. Cell adhesion inhibiting peptides exhibit potent anticancer activity and modulate intestinal microbiota. *Materials & Design*. 2022: 111303.
- Liu K, Gao X, Hu C, et al. Capsaicin ameliorates diabetic retinopathy by inhibiting poldip2-induced oxidative stress. *Redox Biology*. 2022: 102460.
- Feng L, Ding R, Qu X, et al. BCR-ABL triggers a glucose-dependent survival program during leukemogenesis through the suppression of TXNIP. *Cell Death & Disease*. 2023, 14(4): 287.
- Su H Y, Tsai Y C, Tsai H P, et al. Zileuton, a 5-Lipoxygenase Inhibitor, Attenuates Haemolysate-Induced BV-2 Cell Activation by Suppressing the MyD88/NF- $\kappa$ B Pathway. *Journal of Molecular Sciences*. 2022, 23(9): 4910
- Qu W, Zhou H. MicroRNA-5582-3p alleviates the progression of osteosarcoma via targeting FZD4. *Molecular & Cellular Toxicology*. 2022: 1-9.
- Hu S, Wang Z, Jin C, et al. Human amniotic epithelial cell-derived extracellular vesicles provide an extracellular matrix-based microenvironment for corneal injury repair. *Journal of Tissue Engineering*. 2022, 13: 20417314221122123
- Zhou Y Q, Wang K, Wang X Y, et al. SARS-CoV-2 pseudovirus enters the host cells through spike protein-CD147 in Arf6-dependent manner: CD147-mediated SARS-CoV-2 endocytosis. *Emerging Microbes & Infections*. 2022 (just-accepted): 1-16.
- Cheng Y, Lu X, Li F, et al. NDFIP1 limits cellular TAZ accumulation via exosomal sorting to inhibit NSCLC proliferation. *Protein & Cell*. 2022
- Shen Z, Wang W, Chen J, et al. Small extracellular vesicles of hypoxic endothelial cells regulate the therapeutic potential of adipose-derived mesenchymal stem cells via miR-486-5p/PTEN in a limb ischemia model. *Journal of Nanobiotechnology*. 2022, 20(1): 1-19.

- Tang Y, Xiao S, Wang Z, et al. A Prognostic Model for Acute Myeloid Leukemia Based on IL-2/STAT5 Pathway-Related Genes. *Frontiers in Oncology*. 2022, 12: 785899-785899.
- Zeng Z, Wang Z, Chen S, et al. Bio-nanocomplexes with autonomous O<sub>2</sub> generation efficiently inhibit triple negative breast cancer through enhanced chemo-PDT. *Journal of Nanobiotechnology*. 2022, 20(1): 1-18.
- Zhao T, Li X, Chen Y, et al. Risk assessment and molecular mechanism study of drug-drug interactions between rivaroxaban and tyrosine kinase inhibitors mediated by CYP2J2/3A4 and BCRP/P-gp. *Frontiers in pharmacology*. 2022, 13.
- Tian L L, Ren H, Xi J M, et al. Diverse anti-inflammation and anti-cancer polyketides isolated from the endophytic fungi *Alternaria* sp. MG1. *Fitoterapia*. 2021: 105000.
- Zhang L, Bei Z, Li T, et al. An injectable conductive hydrogel with dual responsive release of rosmarinic acid improves cardiac function and promotes repair after myocardial infarction. *Bioactive Materials*. 2023, 29: 132-150.
- Xu F, Wu X, Chen C, et al. SLC27A5 promotes sorafenib-induced ferroptosis in hepatocellular carcinoma by downregulating glutathione reductase. *Cell Death & Disease*. 2023, 14(1): 1-14.
- Su J C, Pan Q, Xu X, et al. Structurally diverse steroids from an endophyte of *Aspergillus tennesseensis* 1022LEF attenuates LPS-induced inflammatory response through the cholinergic anti-inflammatory pathway. *Chemico-Biological Interactions*. 2022: 109998
- Wu J, Tan Z, Li H, et al. Melatonin reduces proliferation and promotes apoptosis of bladder cancer cells by suppressing O-GlcNAcylation of cyclin-dependent-like kinase 5. *Journal of Pineal Research*. 2021, 71(3): e12765.
- Xiong X, Dang W, Luo R, et al. A graphene-based fluorescent nanoprobe for simultaneous imaging of dual miRNAs in living cells. *Talanta*. 2020: 121947.
- Qu X, Liu H, Song X, et al. Effective degradation of EGFR L858R+ T790M mutant proteins by CRBN-based PROTACs through both proteasome and autophagy/lysosome degradation systems. *European Journal of Medicinal Chemistry*. 2021, 218: 113328.
- Jiang H, Bian W, Sui Y, et al. FBXO42 facilitates Notch signaling activation and global chromatin relaxation by promoting K63-linked polyubiquitination of RBPJ. *Science Advances*. 2022, 8(38): eabq4831.
- Luo W, Xu H, Xu L, et al. Remyelination in neuromyelitis optica spectrum disorder is promoted by edaravone through mTORC1 signaling activation. *Glia*. 2022;1-21.
- Jiang C X, Yu B, Miao Y M, et al. Indole Alkaloids from a Soil-Derived *Clonostachys rosea*. *Journal of Natural Products*. 2021
- Qin, Jiace, et al. DNA polymerase  $\beta$  deficiency promotes the occurrence of esophageal precancerous lesions in mice. *Neoplasia*. 23.7 (2021): 663-675.
- Li J, Sun Y, Sun X, et al. AEG-1 silencing attenuates M2-polarization of glioma-associated microglia/macrophages and sensitizes glioma cells to temozolomide. *Scientific reports*. 2021, 11(1): 1-12.
- Liu X, Wei W, Liu Z, et al. Serum apolipoprotein AI depletion is causative to silica nanoparticles-induced cardiovascular damage. *Proceedings of the National Academy of Sciences*. 2021, 118(44)
- Zhao J, Zhou X, Chen B, et al. p53 promotes peroxisomal fatty acid  $\beta$ -oxidation to repress purine biosynthesis and mediate tumor suppression. *Cell Death & Disease*. 2023, 14(2): 87.
- Zheng M, Huo J, Gu X, et al. Rational Design and Synthesis of Novel Dual Protacs for Simultaneous Degradation of EGFR and PARP. *Journal of Medicinal Chemistry*. 2021 Jun 10;64(11):7839-7852. doi: 10.1021/acs.jmedchem.1c00649. Epub 2021 May 26.
- Qin Y, Pei Z, Feng Z, et al. Oncogenic Activation of YAP Signaling Sensitizes Ferroptosis of Hepatocellular Carcinoma via ALOXE3-Mediated Lipid Peroxidation Accumulation *Frontiers in cell and developmental biology*, 2021, 9: 751593-751593.. *Frontiers in cell and developmental biology*. 2021, 9: 751593-751593.
- Tang Y, Xiao S, Wang Z, et al. A Prognostic Model for Acute Myeloid Leukemia Based on IL-2/STAT5 Pathway-Related Genes. *Frontiers in Oncology*. 2022, 12: 785899-785899.
- Cui H, Yi H, Bao H, et al. The SWI/SNF chromatin remodeling factor DPF3 regulates metastasis of ccRCC by modulating TGF- $\beta$  signaling. *Nature Communications*. 2022, 13(1): 1-16.
- Zhu, Lizhe, et al. A novel ferroptosis-related gene signature for overall survival prediction in patients with breast cancer. *Frontiers in Cell and Developmental Biology*. 9 (2021)
- Zhang Q, Feng P, Zhu X H, et al. DNAJA4 suppresses epithelial-mesenchymal transition and metastasis in nasopharyngeal carcinoma via PSMD2-mediated MYH9 degradation. *Cell Death & Disease*. 2023, 14(10): 697.
- Jing L, Zhai M E, Qian M R, et al. Targeting the up-regulated CNOT3 reverses therapeutic resistance and metastatic progression of EGFR-mutant non-small cell lung cancer. *Cell Death Discovery*. 2023, 9(1): 406.

- Chen L, Lu Y, Zhao M, et al. A non-canonical role of endothelin converting enzyme 1 (ECE1) in promoting lung cancer development via directly targeting protein kinase B (AKT). *The Journal of Gene Medicine*. 2023; e3612.
- Fan S, Qi M, Qi Q, et al. Targeting FAP $\alpha$ -positive lymph node metastatic tumor cells suppresses colorectal cancer metastasis. *Acta Pharmaceutica Sinica B*. 2023
- Liu M, Wang Y, Li S, et al. Attenuates reactive oxygen species: induced pyroptosis via activation of the Nrf2/HO-1 signal pathway in models of trigeminal neuralgia. *Scientific Reports*. 2023, 13(1): 18111.
- Cai J, Ye Z, Hu Y, et al. Fatostatin induces ferroptosis through inhibition of the AKT/mTORC1/GPX4 signaling pathway in glioblastoma. *Cell Death & Disease*. 2023, 14(3): 211.
- Zhao M, Lu T, Bi G, et al. PLK1 regulating chemoradiotherapy sensitivity of esophageal squamous cell carcinoma through pentose phosphate pathway/ferroptosis. *Biomedicine & Pharmacotherapy*. 2023, 168: 115711.
- Jiang K, Wang H, Long Y, et al. Injectable miniaturized shape-memory electronic device for continuous glucose monitoring. *Device*. 2023
- Jiang W, Jia Q, Ma H, et al. MicroRNA-124 conducts neuroprotective effect via inhibiting AK4/ATF3 after subarachnoid hemorrhage. *Experimental Brain Research*. 2023: 1-13.
- Luo Z S, Yu X C, Wang C, et al. Trimethylamine N-oxide promotes oxidative stress and lipid accumulation in macrophage foam cells via the Nrf2/ABCA1 pathway. *Journal of Physiology and Biochemistry*. 2023: 1-13.
- Wang Y W, Zhu W J, Ma R R, et al. PIN1P1 is activated by CREB1 and promotes gastric cancer progression via interacting with YBX1 and upregulating PIN1. *Journal of Cellular and Molecular Medicine*. 2023
- Shan G, Bi G, Zhao G, et al. Inhibition of PKA/CREB1 pathway confers sensitivity to ferroptosis in non-small cell lung cancer. *Respiratory Research*. 2023, 24(1): 1-15.
- Chung F Y, Lin Y Z, Huang C R, et al. Crosslinking kiwifruit-derived DNA with natural aromatic aldehydes generates membranolytic antibacterial nanogels. *International Journal of Biological Macromolecules*. 2023: 127947.
- Ren Y, Qin S, Liu X, et al. Hyperoxia can Induce Lung Injury by Upregulating AECII Autophagy and Apoptosis Via the mTOR Pathway. *Molecular Biotechnology*. 2023: 1-12.
- Huang X, Li T, Jiang X, et al. Co-assembled Supramolecular Hydrogel of Salvianolic Acid B and a Phosphopeptide for Enhanced Wound Healing. *ACS Applied Materials & Interfaces*. 2023, 15(39): 45606-45615.
- Jian X, Yang D, Wang L, et al. CREB1 Silencing Protects Against Inflammatory Response in Rats with Deep Vein Thrombosis Through Reducing RPL9 Expression and Blocking NF- $\kappa$ B Signaling. *Journal of Cardiovascular Translational Research*. 2023: 1-15.
- Chuan D, Fan R, Chen B, et al. Lipid-Polymer Hybrid Nanoparticles with Both PD-L1 Knockdown and Mild Photothermal Effect for Tumor Photothermal Immunotherapy. *ACS Applied Materials & Interfaces*. 2023
- Zhao C, Le X, Li M, et al. Inhibition of Hsp110-STAT3 interaction in endothelial cells alleviates vascular remodeling in hypoxic pulmonary arterial Hypertension model. *Respiratory Research*. 2023, 24(1): 1-18.
- Huang Z X, Zhou S T, Wang J, et al. Remdesivir inhibits Porcine epidemic diarrhea virus infection in vitro. *Heliyon*. 2023
- Chen Y, Cao W, Li B, et al. The potential role of hydrogen sulfide in regulating macrophage phenotypic changes via PINK1/parkin-mediated mitophagy in sepsis-related cardiorenal syndrome. *Immunopharmacology and Immunotoxicology*. 2023: 1-13.
- Liu R D, Meng X Y, Le Li C, et al. *Trichinella spiralis* cathepsin L induces macrophage M1 polarization via the NF- $\kappa$ B pathway and enhances the ADCC killing of newborn larvae. *Parasites & Vectors*. 2023, 16(1): 1-21.
- Yang H, Li S, Li W, et al. Actinomycin D Synergizes with Doxorubicin in Triple-Negative Breast Cancer by Inducing P53-Dependent Cell Apoptosis. *Carcinogenesis*. 2023: bgad086.
- Liu S, Xiao X, Zhang L, et al. Reprogramming Exosomes to Escape from Immune Surveillance for Mitochondrial Protection in Hepatic Ischemia-Reperfusion Injury. *Theranostics*. 2024, 14(1): 116.
- Xue J, Chen C W, Su P H, et al. BTNL9 Govern the Malignant Phenotypes of Osteosarcoma Cells by Collaborating with RHOB to Block the PI3K/Akt Signaling Pathway. *J. Biol. Regul. Homeost. Agents*. 2023; 37(11): 5929-5938
- Chen S J, Zhang J, Zhou T, et al. Epigenetically upregulated NSUN2 confers ferroptosis resistance in endometrial cancer via m5C modification of SLC7A11 mRNA. *Redox Biology*. 2023: 102975.
- Cui Y, Zhang Z, Lv M, et al. CHTOP Alleviates Cerebral Ischemia/Reperfusion-Induced Injury by Regulating RNA Alternative Splicing. *iScience*. 2023
- Li Y, Zhao Q, Zhu X, et al. Self-Assembled nanoparticles of natural bioactive molecules enhance the delivery and efficacy of paclitaxel in glioblastoma. *CNS Neuroscience & Therapeutics*. 2023
- Zhang L, Niu W, Lin Y, et al. Multifunctional antibacterial bioactive nanoglass hydrogel for normal and MRSA

- infected wound repair. *Journal of Nanobiotechnology*.2023, 21(1): 1-14.
- Zhu J, Zhao F, Chai Y, et al. Delivery of microRNA-423-5p by exosome from adipose-derived stem/stromal cells inhibits DVL3 to potentiate autologous fat graft survival through adipogenesis and inflammatory response. *Human Cell*.2023: 1-16.
- Zhang W, Zhang P, Xu L H, et al. Ethanol extract of *Verbena officinalis* alleviates MCAO-induced ischaemic stroke by inhibiting IL17A pathway-regulated neuroinflammation. *Phytomedicine*.2023: 155237.
- Meng Z, Bian X, Ma L, et al. UBC9 stabilizes PFKFB3 to promote aerobic glycolysis and proliferation of glioblastoma cells. *The International Journal of Biochemistry & Cell Biology*.2023, 165: 106491.
- Wang X, Liu C, Li X, et al. A novel electrospun polylactic acid silkworm fibroin mesh for abdominal wall hernia repair. *Materials Today Bio*.2023: 100915.
- Miao Z, Li J, Wang Y, et al. Hsa\_circ\_0136666 stimulates gastric cancer progression and tumor immune escape by regulating the miR-375/PRKDC Axis and PD-L1 phosphorylation. *Molecular Cancer*.2023, 22(1): 1-19.
- Liang Y, An Q, Song H, et al. AcGlcAs: A Novel P53-Targeting Arsenical with Potent Cellular Uptake and Cancer Cell Selectivity. *Journal of Medicinal Chemistry*.2023
- Xie Z, Han X, Zhou Z, et al. Design and synthesis of dabigatran etexilate derivatives with inhibiting thrombin activity for hepatocellular carcinoma treatment. *Biomedicine & Pharmacotherapy*.2024, 170: 116018.
- Kazakova O, Ma X, Tretyakova E, et al. Evaluation of A-ring hydroxymethylene-amino-triterpenoids as inhibitors of SARS-CoV-2 spike pseudovirus and influenza H1N. *The Journal of Antibiotics*.2023: 1-11.
- Lu S, Chen Z, Tu H, et al. Multifunctional carbon quantum dots decorated self-healing hydrogel for highly effective treatment of superbug infected wounds. *Chemical Engineering Journal*.2023: 148218.
- Zhang S, Yan J, He L, et al. STAT5a and SH2B3 novel mutations display malignancy roles in a triple-negative primary myelofibrosis patient. *Cancer Gene Therapy*.2023: 1-11.
- Han M, Guo Y, Li Y, et al. SMURF2 facilitates ubiquitin-mediated degradation of ID2 to attenuate lung cancer cell proliferation. *International Journal of Biological Sciences*.2023, 19(11): 3324-3340.
- Feng L, Wang C, Zhang C, et al. p38 MAPK inhibitor SB202190 suppresses ferroptosis in the glutamate-induced retinal excitotoxicity glaucoma model. *Neural Regeneration Research*.10.4103.
- Zhou S Q, Feng P, Ye M L, et al. The E3 ligase NEURL3 suppresses epithelial-mesenchymal transition and metastasis in nasopharyngeal carcinoma by promoting vimentin degradation. *Journal of Experimental & Clinical Cancer Research*.2024, 43(1): 1-16.
- Zhao S, Dong Y, Li Y, et al. Melatonin Alleviates Lipopolysaccharide-Induced Abnormal Pregnancy through MTNR1B Regulation of m6A. *International Journal of Molecular Sciences*.2024, 25(2): 733.
- Dang Y, Li J, Li Y, et al. N-acetyltransferase 10 regulates alphavirus replication via N4-acetylcytidine (ac4C) modification of the lymphocyte antigen six family member E (LY6E) mRNA. *Journal of Virology*.2024: e01350-23.
- Mi Y, Shan H, Wang B, et al. Genipin inhibits proliferation of gastric cancer cells by inducing ferroptosis: an integrated study of network pharmacology and bioinformatics study. *Medical Oncology*.2024, 41(2): 46.
- Chen Y, Ying Y, Ma W, et al. Targeting the epigenetic reader ENL inhibits super-enhancer-driven oncogenic transcription and synergizes with BET inhibition to suppress tumor progression. *Cancer Research*.2024
- Tu R, Kang Y, Pan Y, et al. USP29 activation mediated by FUBP1 promotes AURKB stability and oncogenic functions in gastric cancer. *Cancer Cell International*.2024, 24(1): 1-14.
- Li L, Yang L, Liu L, et al. Targeted inhibition of the HNF1A/SHH axis by triptolide overcomes paclitaxel resistance in non-small cell lung cancer. *Acta Pharmacologica Sinica*.2024: 1-17.
- Li M, Teng M, Mao G, et al. PUD@ HA/PEEK Scaffold Induces Subchondral Bone Regeneration to Repair Osteochondral Defect in Rabbits. *ACS Biomaterials Science & Engineering*.2024
- Han Y, Wang C, Lu K, et al. Bovine parainfluenza type 3 virus induces incomplete autophagy to promote viral replication by activated beclin1 in vitro. *Veterinary Microbiology*.2024: 109972.
- Wang X, Ji Y, Qi J, et al. Mitochondrial carrier 1 (MTCH1) governs ferroptosis by triggering the FoxO1-GPX4 axis-mediated retrograde signaling in cervical cancer cells. *Cell Death & Disease*.2023, 14(8): 1-13.
- Li L, Cheng H, Gong L, et al. Cuproptosis/OXPHOS Tendency Prediction of Prognosis and Immune Microenvironment of Esophageal Squamous Cell Carcinoma: Bioinformatics Analysis and Experimental Validation. *Gene*.2024: 148156.
- Cao B, Liu K, Tian C, et al. OTX1 regulates tumorigenesis and metastasis in glioma. *Pathology-Research and Practice*.2024: 155116.
- Zhong K, Luo W, Li N, et al. CDK12 regulates angiogenesis of advanced prostate cancer by IGFBP3. *International*

Journal of Oncology.2024, 64(2): 1-13.

Qiao Y, Shi Y, Ji M, et al.Selection and identification of a prohibitin 2-binding DNA aptamer for tumor tissue imaging and targeted chemotherapy.International Journal of Biological Macromolecules.2024: 129002.

Yang H, Qin J, Pei Y, et al.Discovery of the cereblon-recruiting tubulin PROTACs effective in overcoming Taxol resistance in vitro and in vivo.European Journal of Medicinal Chemistry.2023: 116067.

Li J, Hong Z, Zhang J, et al.Lysine methyltransferase SMYD2 enhances androgen receptor signaling to modulate CRPC cell resistance to enzalutamide.Oncogene.2024: 1-14.

Shang H, Liu X, Pan J, et al.Exploring the mechanism and phytochemicals in Psoraleae Fructus-induced hepatotoxicity based on RNA-seq, in vitro screening and molecular docking.Scientific Reports.2024, 14(1): 1696.

Lin P, Cheng W, Qi X, et al.Bioinformatics and Experimental Validation for Identifying Biomarkers Associated with AMG510 (Sotorasib) Resistance in KRASG12C-Mutated Lung Adenocarcinoma.International Journal of Molecular Sciences.2024, 25(3): 1555.

Qian K, Wang Y, Lei Y, et al.An experimental and theoretical study on cell swelling for osmotic imbalance induced by electroporation.Bioelectrochemistry.2023: 108637.

Qian S, Wang Z, Ma X, et al.Study on the Active Components and Inhibiting Effect of Melastoma dodecandrum Lour. on Human Cervical Cancer Cells Based on Spectrum-Effect Relationship Analysis.Natural Product Communications.2024, 19(1): 1934578X231222096.

Li H, He C, Zhu R, et al.Type 2 cytokines promote angiogenesis in ischemic muscle via endothelial IL-4R $\alpha$  signaling. Cell Reports.2023, 42(8).

Zhu J, Cai Y, Kong M, et al.Design, Synthesis, and Biological Evaluation for First GPX4 and CDK Dual Inhibitors. Journal of Medicinal Chemistry.2024

Che J, Chen X, Ren W, et al.PTH 1-34 reduced apoptosis of MLO-Y4 osteocyte-like cells by activating autophagy and inhibiting ER stress under RPM conditions.European Journal of Pharmacology.2024: 176364.

Huang B, Ren J, Ma Q, et al.A novel peptide PDHK1-241aa encoded by circPDHK1 promotes ccRCC progression via interacting with PPP1CA to inhibit AKT dephosphorylation and activate the AKT-mTOR signaling pathway. Molecular Cancer.2024, 23(1): 1-27.

Zhou X, Qin M, He L, et al.Geraniin restricts inflammasome activation and macrophage pyroptosis by preventing the interaction between ASC and NLRP3 to exert anti-inflammatory effects.International Immunopharmacology. 2024, 129: 111656.

Fang X L, Li Q J, Lin J Y, et al.Transcription factor ATMIN facilitates chemoresistance in nasopharyngeal carcinoma. Cell Death & Disease.2024, 15(2): 112.

Li P, Yang L, Park S Y, et al.Stabilization of MOF (KAT8) by USP10 promotes esophageal squamous cell carcinoma proliferation and metastasis through epigenetic activation of ANXA2/Wnt signaling.Oncogene.2024: 1-19.

Lu H, Wang C, Lu W, et al.Antibacterial efficacy and mechanism of Cyprinus carpio chemokine-derived L-10 against multidrug-resistant E. coli infections.International Journal of Antimicrobial Agents.2024: 107104.

Feng L, Dai S, Zhang C, et al.Ripa-56 protects retinal ganglion cells in glutamate-induced retinal excitotoxic model of glaucoma.Scientific Reports.2024, 14(1): 3834.

Shi S, Luo D, Yang Y, et al.Integrative Omics Analysis Reveals Metabolic Features of Ground-Glass Opacity-Associated Lung Cancer.Journal of Cancer.2024, 15(7): 1848-1862.

Li R, Wang Y, Wen X, et al.A novel EIF3C-related CD8<sup>+</sup> T-cell signature in predicting prognosis and immunotherapy response of nasopharyngeal carcinoma.Journal of Cancer Research and Clinical Oncology.2024, 150(2): 103.

Zhou P, Peng X, Tang S, et al.E3 ligase MAEA-mediated ubiquitination and degradation of PHD3 promotes glioblastoma progression.Oncogene.2023: 1-13.

Di X, Wang D, Wu J, et al.Characterization of a germline variant TNS1 c. 2999-1G> C in a hereditary cancer syndrome family.Gene.2024: 148304.

Zhu C, Chen X, Gong J, et al.An elastase nanocomplex with metal cofactors for enhancement of target protein cleavage activity and synergistic antitumor effect.Chemical Engineering Journal.2024: 149902.

Fu X Y, Yin H, Chen X T, et al.Three Rounds of Stability-Guided Optimization and Systematical Evaluation of Oncolytic Peptide LTX-315.Journal of Medicinal Chemistry.2024

Ying Z, Yin M, Zhu Z, et al.Iron Stress Affects the Growth and Differentiation of Toxoplasma gondii.International Journal of Molecular Sciences.2024, 25(5): 2493.

Shen Y, Chen C, Zhao Z, et al.Bipoladien A, a Sesterterpenoid Containing an Undescribed 5/8/5/7 Carbon Skeleton from Bipolaris maydis.Journal of Agricultural and Food Chemistry.2024

- Mo S, Zhang Y, Jiang R, et al. Dipeniroqueforins A-B and Peniroqueforin D: Eremophilane-Type Sesquiterpenoid Derivatives with Cytotoxic Activity from *Penicillium roqueforti*. *The Journal of Organic Chemistry*. 2024, 89(2): 1209-1219.
- Cao L, Feng C, Ye H, et al. Differential mRNA profiles reveal the potential roles of genes involved in lactate stimulation in mouse macrophages. *Genomics*. 2024: 110814.
- Zhou C, Jin L, Yu J, et al. Integrated analysis identifies cuproptosis-related gene DLAT and its competing endogenous RNAs network to predict the prognosis of pancreatic adenocarcinoma patients. *Medicine*. 2024, 103(9): e37322.
- Li S, Chen W, Zhong Y, et al. An application of pirfenidone-loaded, lung-targeted nanoliposomes for treating inflammation and early pulmonary fibrosis in ARDS. *Materials & Design*. 2024: 112811.
- Wang X, Hu B, Zhang H, et al. The anti-apoptotic role of Ginkgolide B via mitochondrial permeability transition pore inhibition in retinal ischemia-reperfusion. *Biochemical and Biophysical Research Communications*. 2024: 149722.
- Yang R, Zhang X, Zhang Y, et al. Grpel2 maintains cardiomyocyte survival in diabetic cardiomyopathy through DLST-mediated mitochondrial dysfunction: a proof-of-concept study. *Journal of Translational Medicine*. 2023, 21(1): 1-21.
- Wang Q, Fang Y, Li Y, et al. Pregnancy-Specific Beta-1-Glycoprotein 1 Increases HTR-8/SVneo Cell Migration through the Orai1/Akt Signaling Pathway. *Biomolecules*. 2024, 14(3): 293.
- Zeng R, Fang M, Shen A, et al. Discovery of a Highly Potent Oxysterol Receptor GPR183 Antagonist Bearing the Benzo [d] thiazole Structural Motif for the Treatment of Inflammatory Bowel Disease (IBD). *Journal of Medicinal Chemistry*. 2024
- He W, Tian Z, Dong B, et al. Identification and functional activity of Nik related kinase (NRK) in benign hyperplastic prostate. *Journal of Translational Medicine*. 2024, 22(1): 1-18.
- Miao M, Pan M, Chen X, et al. IL-13 facilitates ferroptotic death in asthmatic epithelial cells via SOCS1-mediated ubiquitinated degradation of SLC7A11. *Redox Biology*. 2024: 103100.
- Yu Z, Zhang Q, Wei S, et al. CD146+ CAFs promote progression of endometrial cancer by inducing angiogenesis and vasculogenic mimicry via IL-10/JAK1/STAT3 pathway. *Cell Communication and Signaling*. 2024, 22(1): 1-13.
- Qin Z, Yang J, Zhang K, et al. Updating mRNA variants of the human RSK4 gene and their expression in different stressed situations. *Heliyon*. 2024
- Dong Q, Niu W, Mu M, et al. Lycorine hydrochloride interferes with energy metabolism to inhibit chemoresistant glioblastoma multiforme cell growth through suppressing PDK3. *Molecular and Cellular Biochemistry*. 2024: 1-15.
- Sun Y, Shi D, Sun J, et al. Regulation mechanism of EBV-encoded EBV1 and LMP2A on YAP1 and the impact of YAP1 on the EBV infection status in EBV-associated gastric carcinoma. *Virus Research*. 2024, 343: 199352.
- Zhao J, Wang Q, Liu Z, et al. Neuroinvasive virus facilitates viral replication by employing lipid droplets to reduce arachidonic acid-induced ferroptosis. *Journal of Biological Chemistry*. 2024: 107168.
- Li S H, Li M Y, Yuan T T, et al. Osthole Activates the Cholinergic Anti-Inflammatory Pathway via  $\alpha 7nAChR$  Upregulation to Alleviate Inflammatory Responses. *Chemistry & Biodiversity*. 2024: e202400290.
- Liang J, Yu D, Luo C, et al. Epigenetic suppression of PGC1 $\alpha$  (PPARGC1A) causes collateral sensitivity to HMGR-inhibitors within BRAF-treatment resistant melanomas. *Nature Communications*. 2023, 14(1): 3251.
- Wang L, Zhang T, Zheng Y, et al. Combination of irinotecan silicasome nanoparticles with radiation therapy sensitizes immunotherapy by modulating the activation of the cGAS/STING pathway for colorectal cancer. *Materials Today Bio*. 2023: 100809.
- Han Y, Wang C, Bai C, et al. Bovine parainfluenza virus type 3 infections induce ER stress-mediated autophagy to facilitate virus replication. *Veterinary Microbiology*. 2024: 110051.
- Jiang S, Li W, Song M, et al. CXCL1-CXCR2 axis mediates inflammatory response after sciatic nerve injury by regulating macrophage infiltration. *Molecular Immunology*. 2024, 169: 50-65.
- Wang Y Y, Zhu G Q, Xia K, et al. Omentin-1 inhibits the development of benign prostatic hyperplasia by attenuating local inflammation. *Molecular Medicine*. 2024, 30(1): 1-14.
- Bi G, Liang J, Bian Y, et al. Polyamine-mediated ferroptosis amplification acts as a targetable vulnerability in cancer. *Nature Communications*. 2024, 15(1): 2461.
- Zhang H, Xu D, Huang H, et al. Discovery of a Covalent Inhibitor Selectively Targeting the Autophosphorylation Site of c-Src Kinase. *ACS Chemical Biology*. 2024
- Xiao M, Ha S, Zhu J, et al. Structure-Activity Relationship (SAR) Studies of Novel Monovalent AR/AR-V7 Dual Degraders with Potent Efficacy against Advanced Prostate Cancer. *Journal of Medicinal Chemistry*. 2024

- Wu R, Pang S, Lv W, et al. Injectable pH-Responsive CI1040 Delayed-Release Hydrogel for the Treatment of Tendon Adhesion. *Advanced Functional Materials*. 2024: 2314731.
- Li Y, Kong X, Guo C, et al. Stanniocalcin-2: A Potential Predictor of Residual Breast Cancer After Neoadjuvant Chemotherapy. *Journal of Biomedical Nanotechnology*. 2024, 20(7): 1106-1118.
- Lin Y, Chen Y, Hu W, et al. TRPM7 facilitates fibroblast-like synoviocyte proliferation, metastasis and inflammation through increasing IL-6 stability via the PKC $\alpha$ -HuR axis in rheumatoid arthritis. *International Immunopharmacology*. 2024, 132: 111933.
- Gao G B, Chen L, Pan J F, et al. LncRNA RGMB-AS1 inhibits HMOX1 ubiquitination and NAA10 activation to induce ferroptosis in non-small cell lung cancer. *Cancer Letters*. 2024: 216826.
- Tuo Y, Tang Y, Yang R, et al. Virtual screening and biological activity evaluation of novel efflux pump inhibitors targeting AdeB. *International Journal of Biological Macromolecules*. 2023: 126109.
- Yang X, Nie W, Wang C, et al. Microfluidic-based multifunctional microspheres for enhanced oral co-delivery of probiotics and postbiotics. *Biomaterials*. 2024: 122564.
- Huang Q, Ru Y, Luo Y, et al. Identification of a targeted ACSL4 inhibitor to treat ferroptosis-related diseases. *Science Advances*. 2024, 10(13): eadk1200.
- Yang K, Ma Y, Chen W, et al. CCDC58 is a potential biomarker for diagnosis, prognosis, immunity, and genomic heterogeneity in pan-cancer. *Scientific Reports*. 2024, 14(1): 8575.
- Luo S, Wu F, Fang Q, et al. Antidepressant effect of teriflunomide via oligodendrocyte protection in a mouse model. *Heliyon*. 2024
- Feng P, Wang Y, Liu N, et al. High expression of PPP1CC promotes NHEJ-mediated DNA repair leading to radioresistance and poor prognosis in nasopharyngeal carcinoma. *Cell Death & Differentiation*. 2024: 1-14.
- Wang H Q, Shi Q Y, Ma S G, et al. Minor Hydroxylated Triterpenoids Produced in Engineered Yeast by the Enzymes OSC and CYP716s from the Plant *Enkianthus chinensis* and Their Anti-Inflammatory and Hepatoprotective Activities. *Journal of Natural Products*. 2024
- Li K, Bian J, Wu H, et al. Anti-inflammatory activity of organic acids from the seeds of *Phaseolus lunatus* L. *Phytochemistry Letters*. 2024, 61: 120-124.
- Jia W, Yu S, Liu X, et al. Ethanol Extract of *Limonium bicolor* Improves Dextran Sulfate Sodium-Induced Ulcerative Colitis by Alleviating Inflammation and Restoring Gut Microbiota Dysbiosis in Mice. *Marine Drugs*. 2024, 22(4): 175.
- Liu X, Wang L, Duan C, et al. Daurisoline inhibits proliferation, induces apoptosis, and enhances TRAIL sensitivity of breast cancer cells by upregulating DR5. *Cell Biology International*. 2024
- Sun J, Gong J, Gong L, et al. High Manganese Content of Lipid NanoMn (LNM) by Microfluidic Technology for Enhancing Anti-Tumor Immunity. *Pharmaceutics*. 2024, 16(4): 556.
- Zhang B, Hou Q, Zhang X, et al. Anesthetic propofol inhibits ferroptosis and aggravates distant cancer metastasis via Nrf2 upregulation. *Free Radical Biology and Medicine*. 2022
- Yang L, Niu K, Wang J, et al. Nucleolin lactylation contributes to intrahepatic cholangiocarcinoma pathogenesis via RNA splicing regulation of MADD. *Journal of Hepatology*. 2024
- Zhao R, Guo X, Zhang G, et al. CMYC-initiated HNF1A-AS1 overexpression maintains the stemness of gastric cancer cells. *Cell Death & Disease*. 2024, 15(4): 288.
- Li Q, Yuan H, Zhao G, et al. DDX39B protects against sorafenib-induced ferroptosis by facilitating the splicing and cytoplasmic export of GPX4 pre-mRNA in hepatocellular carcinoma. *Biochemical Pharmacology*. 2024: 116251.
- Wang J, Zhang H, Hu H, et al. An enzyme-responsive hydrogel of ferrocene-grafted carboxymethyl chitosan as a soft electrochemical sensor for MMP-9 detection. *International Journal of Biological Macromolecules*. 2024: 131582.
- Li Z, Xu Z, Chen W, et al. Tumor-repopulating cells evade ferroptosis via PCK2-dependent phospholipid remodeling. *Nature Chemical Biology*. 2024: 1-12.
- Ma Y, Cui Q, Zhu W, et al. A Novel Tetramethylpyrazine Chalcone Hybrid-HCTMPPK, as a Potential Anti-Lung Cancer Agent by Downregulating MELK. *Drug Design, Development and Therapy*. 2024: 1531-1546.
- Zhao M, Ye N, Liu L, et al. Novel Isoalantolactone-Based Derivatives as Potent NLRP3 Inflammasome Inhibitors: Design, Synthesis, and Biological Characterization. *Journal of Medicinal Chemistry*. 2024
- Liu R, Wang Y, Kuai W, et al. Troxerutin suppress inflammation response and oxidative stress in jellyfish dermatitis by activating Nrf2/HO-1 signaling pathway. *Frontiers in Immunology*. 2024, 15: 1369849.
- Li X, Liao P, Zhou W, et al. Molecular characteristics of *Echinococcus multilocularis* FABP1 and its regulatory functions on murine macrophages[J]. *Acta Tropica*. 2024: 107247
- Luo Y, Luo X, Ru Y, et al. Copper (II)-Based Nano-regulator Correlates Cuproptosis burst and Sequential

Immunogenic Cell Death for Synergistic Cancer Immunotherapy. *Biomaterials Research*.

Wu T, Zhang Y, Han Q, et al. Klotho-beta attenuates Rab8a-mediated exosome regulation and promotes prostate cancer progression. *Oncogene*.2023: 1-15.

Zhang P, Wan Y, Ma J, et al. Epigenetic silencing of LDHB promotes hepatocellular carcinoma by remodeling the tumor microenvironment. *Cancer Immunology, Immunotherapy*.2024, 73(7): 127.

Zhang X, Xu J. A novel miR-466l-3p/FGF23 axis promotes osteogenic differentiation of human bone marrow mesenchymal stem cells. *Bone*.2024: 117123.

Wang B, Xu Y, Yao Q, et al. Prolonged resident nanoparticles effectively treat acute lung injury via the selective upregulation of intracellular hydrogen peroxide. *Nano Today*.2024, 56: 102278.

Mei Y, Gu L, Chen Y, et al. A Novel Photosensitizer Based 450-nm Blue Laser-Mediated Photodynamic Therapy Induces Apoptosis in Colorectal Cancer-in Vitro and in Vivo Study. *Frontiers in Bioscience-Landmark*.2024, 29(5): 199.

Tian Z, Song J, She J, et al. Constructing a disulfidptosis-related prognostic signature of hepatocellular carcinoma based on single-cell sequencing and weighted co-expression network analysis. *Apoptosis*.2024: 1-16.

Wang D, Keyoumu K, Yu R, et al. Extracellular matrix marker LAMC2 targets ZEB1 to promote TNBC malignancy via up-regulating CD44/STAT3 signaling pathway. *Molecular Medicine*.2024, 30(1): 1-14.

Guo J, Zhao W, Xiao X, et al. Reprogramming exosomes for immunity-remodeled photodynamic therapy against non-small cell lung cancer. *Bioactive Materials*.2024, 39: 206-223.

Wang X, Jin X, Zhao F, et al. Structure-Based Optimization of Novel Sterol 24-C-Methyltransferase Inhibitors for the Treatment of *Candida albicans* Infections. *Journal of Medicinal Chemistry*.2024

Yang J Q, Chen H J, Huang C R, et al. Antibacterial activities of functional groups on the benzene rings in nucleic acid nanocarriers. *Materials Today Chemistry*.2024, 38: 102106.

Song M, Liu Q, Yao J F, et al. Synthesis and structural optimization of oncolytic peptide LTX-315. *Bioorganic & Medicinal Chemistry*.2024: 117760.

Cao R, Cao C, Hu X, et al. Kaempferol attenuates carbon tetrachloride (CCl<sub>4</sub>)-induced hepatic fibrosis by promoting ASIC1a degradation and suppression of the ASIC1a-mediated ERS. *Phytomedicine*.2023: 155125.

Chen Y, Zhang Y, Duo S, et al. Study on the regulatory mechanism of latent membrane protein 2A on GCNT3 expression in nasopharyngeal carcinoma. *Virus Genes*.2024: 1-10.

Bai C, Wang C, Hua J, et al. Circ\_0006949 as a potential non-invasive diagnosis biomarker promotes the proliferation of NSCLC cells via miR-4673/GLUL axis. *Biochimica et Biophysica Acta (BBA)-Molecular Basis of Disease*.2024: 167234.

Ru Y, Luo Y, Liu D, et al. Isorhamnetin alleviates ferroptosis-mediated colitis by activating the NRF2/HO-1 pathway and chelating iron. *International Immunopharmacology*.2024, 135: 112318.

Mostafa N, Chen P J, Darwish S S, et al. N-Benzylated 5-Hydroxybenzothiophene-2-carboxamides as Multi-Targeted Clk/Dyrk Inhibitors and Potential Anticancer Agents. *Cancers*.2024, 16(11): 2033.

Fan C, Wu H, Du X, et al. Inhibition of lysosomal TRPML1 channel eliminates breast cancer stem cells by triggering ferroptosis. *Cell Death Discovery*.2024, 10(1): 256.

Ling Y, Li X, Gao H, et al. Biyang floral mushrooms-derived exosome-like nanovesicles: Characterization, Absorption stability and Ionizing radiation protection. *Food & Function*.2024

Luo J, Zhu Y, Yu Y, et al. Sinomenine treats rheumatoid arthritis by inhibiting MMP9 and inflammatory cytokines expression: bioinformatics analysis and experimental validation. *Scientific Reports*.2024, 14.

Zhou Z, Qu C, Zhou P, et al. Extracellular vesicles activated cancer-associated fibroblasts promote lung cancer metastasis through mitophagy and mtDNA transfer. *Journal of Experimental & Clinical Cancer Research*.2024, 43(1): 158.

Xu H, Chen S, Meng C, et al. Inhibition of CC chemokine receptor 1 ameliorates osteoarthritis in mouse by activating PPAR- $\gamma$ . *Molecular Medicine*.2024, 30(1): 74.

Lin C L, Su Y W, Chen Y W, et al. BMSC loaded photo-crosslinked hyaluronic acid/collagen hydrogel incorporating FG4592 for enhanced cell proliferation and nucleus pulposus differentiation. *International Journal of Biological Macromolecules*.2024: 132828.

Hou F, Shi D B, Guo X Y, et al. HRCT1, negatively regulated by miR-124-3p, promotes tumor metastasis and the growth of gastric cancer by activating the ERBB2-MAPK pathway. *Gastric Cancer*.2023: 1-14.

Fang J, Wang Y, Li C, et al. A hypoxia-derived gene signature to suggest cisplatin-based therapeutic responses in patients with cervical cancer. *Computational and Structural Biotechnology Journal*.2024

- Zheng R, Wei W, Liu S, et al. The FABD domain is critical for the oncogenicity of BCR/ABL in chronic myeloid leukaemia. *Cell Communication and Signaling: CCS*. 2024, 22.
- Yang H, Wu B, Yang Q, et al. Urolithin C suppresses colorectal cancer progression via the AKT/mTOR pathway. *Journal of Natural Medicines*. 2024: 1-14.
- Li P, Zhai Z, Fang J, et al. PLGA micro/nanoparticle vaccination elicits non-tumor antigen specific resident memory CD8<sup>+</sup> T cell protection from hepatocellular carcinoma. *Nanoscale*. 2024
- Gong Q, Li C, Wang H, et al. Discovery of Phenylpyrazole Derivatives as a New Class of Selective Inhibitors of MCL-1 with Antitumor Activity. *ACS Omega*. 2024
- Xiong Y, Luo J, Hong Z Y, et al. Hyperactivation of SREBP induces Pannexin-1-dependent lytic cell death. *Journal of Lipid Research*. 2024
- Aihaiti Y, Zheng H, Cai Y, et al. Exploration and validation of therapeutic molecules for rheumatoid arthritis based on ferroptosis-related genes. *Life Sciences*. 2024: 122780.
- Li Y, Fei H, Xiao Z, et al. Comprehensive analysis of EphA2 in pan-cancer: A prognostic biomarker associated with cancer immunity. *Clinical and Experimental Pharmacology and Physiology*. 2024, 51(8): e13902.
- Wang K, Chen X, Lin P, et al. CD147-K148me<sub>2</sub>-Driven Tumor Cell-Macrophage Crosstalk Provokes NSCLC Immunosuppression via the CCL5/CCR5 Axis. *Advanced Science*. 2024: 2400611.
- Wong M Y, Lin B S, Hu P S, et al. Nanoparticles of Cs<sub>0.33</sub>WO<sub>3</sub> as Antibiofilm Agents and Photothermal Treatment to Inhibit Biofilm Formation. *ACS Omega*. 2024
- Qin R, Wang T, He W, et al. Jak2/STAT6/c-Myc pathway is vital to the pathogenicity of Philadelphia-positive acute lymphoblastic leukemia caused by P190BCR-ABL. *Cell Communication and Signaling*. 2023, 21(1): 27.
- Li S, Ouyang Z, Zhang M, et al. Selenomethionine-Conjugated Extracellular Vesicles for ROS-Mediated Cell Apoptosis. *ACS Applied Nano Materials*. 2024
- Liu R, Tang R, Li Y, et al. A novel function of benzoic acid to enhance intestinal barrier defense against PEDV infection in Piglets. *Veterinary Microbiology*. 2024, 295: 110152.
- Xu X, Hei Y, Wang B, et al. TXNDC12 inhibits pancreatic tumor cells ferroptosis by regulating GSH/GGT7 and promotes its growth and metastasis. *Journal of Cancer*. 2024, 15(12): 3913.
- Liu Z, Fan K, Abudukeremu A, et al. LIMA1 links the E3 ubiquitin ligase RNF40 to lipid metabolism. *Cell Death Discovery*. 2024, 10(1): 1-11.
- Wang D, Liu X, Hong W, et al. Muscone abrogates breast cancer progression through tumor angiogenic suppression via VEGF/PI3K/Akt/MAPK signaling pathways. *Cancer Cell International*. 2024, 24(1): 214.
- Zheng Y, Xiong Q, Yang Y, et al. Identified  $\gamma$ -glutamyl cyclotransferase (GGCT) as a novel regulator in the progression and immunotherapy of pancreatic ductal adenocarcinoma through multi-omics analysis and experiments. *Journal of Cancer Research and Clinical Oncology*. 2024, 150(6): 318.
- Yang J, Wu Y, Zhu Q, et al. Discovery of a first-in-class protein degrader for the c-ros oncogene 1 (ROS1). *Bioorganic Chemistry*. 2024: 107590.
- Zhang N, Xu Y, Sun D, et al. Chromene meroterpenoids from *Rhododendron dauricum* L. and their anti-inflammatory effects. *Phytochemistry*. 2024: 114200.
- Cheng S, Feng Y, Li W, et al. Development of Novel Antiviral Agents That Induce the Degradation of the Main Protease of Human-infecting Coronaviruses. *European Journal of Medicinal Chemistry*. 2024: 116629.
- Tang X, Wang Y, Liu N, et al. Methacrylated Carboxymethyl Chitosan Scaffold Containing Icaritin-Loaded Short Fibers for Antibacterial, Hemostasis, and Bone Regeneration. *ACS Biomaterials Science & Engineering*. 2024
- Zhu X, Huang N, Ji Y, et al. Brusatol induces ferroptosis in oesophageal squamous cell carcinoma by repressing GSH synthesis and increasing the labile iron pool via inhibition of the NRF2 pathway. *Biomedicine & Pharmacotherapy*. 2023, 167: 115567.
- Pei J, Tian Y, Dang Y, et al. Flexible nano-liposomes-encapsulated recombinant UL8-siRNA (r/si-UL8) based on bioengineering strategy inhibits herpes simplex virus-1 infection. *Antiviral Research*. 2024: 105936.
- Zhang Y, Wang L, Dong C, et al. Licochalcone D exhibits cytotoxicity in breast cancer cells and enhances tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis through upregulation of death receptor 5. *Journal of Biochemical and Molecular Toxicology*. 2024, 38(7): e23757.
- Yin H, Zhang M, Gu C, et al. Discovery of Novel 2-Oxoacetamide Derivatives as B3GAT3 Inhibitors for the Treatment of Hepatocellular Carcinoma. *Journal of Medicinal Chemistry*. 2024
- Xi Z, Ren H, Ai L, et al. Ginsenoside Rg1 mitigates cerebral ischaemia/reperfusion injury in mice by inhibiting autophagy through activation of mTOR signalling. *Acta Pharmacologica Sinica*. 2024: 1-13.

- Deng G, Zheng B, Dou M, et al. Scutellarin alleviates renal ischemia-reperfusion injury by inhibiting the MAPK pathway and pro-inflammatory macrophage polarization. *The FASEB Journal*. 2024, 38(13): e23769.
- Hao Y, Wang R, Ni T, et al. Synthesis and antifungal evaluation of novel triazole derivatives bearing a pyrazole-methoxyl moiety. *European Journal of Medicinal Chemistry*. 2024, 275: 116637.
- Jiang F, Xue Y, Zhang Q, et al. GL-V9 induce apoptosis of CML cells via MAPK signaling pathway. *Heliyon*. 2024
- Zhao Y, Shakeri A, Hefny A A, et al. N-Benzyl, N-phenethyl and N-benzyloxybenzamide derivatives inhibit amyloid-beta (A $\beta$ 42) aggregation and mitigate A $\beta$ 42-induced neurotoxicity. *Medicinal Chemistry Research*. 2024: 1-13.
- Chao W, Qiu L, Gao L, et al. Antifungal Tetrahydrocarbazole Compound CAR-8 Induces Endoplasmic Reticulum Stress in *Candida albicans*. *ACS Infectious Diseases*. 2024
- Yang Y, Jin X, Xie Y, et al. The CEBPB+ glioblastoma subcluster specifically drives the formation of M2 tumor-associated macrophages to promote malignancy growth. *Theranostics*. 2024, 14(10): 4107.
- Liu Y, Tan Y, Cao G, et al. Bergenin alleviates myocardial ischemia-reperfusion injury via SIRT1 signaling. *Biomedicine & Pharmacotherapy*. 2023, 158: 114100.
- Liu Y, Shen L, Li Y, et al. ETS1-mediated Regulation of SOAT1 Enhances the Malignant Phenotype of Oral Squamous Cell Carcinoma and Induces Tumor-associated Macrophages M2-like Polarization. *International Journal of Biological Sciences*. 2024, 20(9): 3372.
- Quan J, Wang X, Cao A, et al. Cyclopeptide Inhibitors Target the N-Terminal Tail of STING and Alleviate Autoinflammation. *Chemistry & Biodiversity*. e202401253.
- Chen J, Du Y, Hou H, et al. Unveiling the Correlation Between the Membrane Assembly of P-gp and Drug Resistance in Multiple Myeloma Using Super-Resolution Fluorescence Imaging. *Analytical Chemistry*. 2024
- Sun H, Chu X, Qian W, et al. CircMYO1C silencing alleviates chondrocytes inflammation and apoptosis through m6A/HMGB1 axis in osteoarthritis. *Biotechnology and Applied Biochemistry*. 2024
- Liu W, Ding Z, Tao Y, et al. A positive feedback loop between PFKF and c-Myc drives head and neck squamous cell carcinoma progression. *Molecular Cancer*. 2024, 23(1): 1-22.
- Mana N, Theerawatanasirikul S, Semkum P, et al. Naturally Derived Terpenoids Targeting the 3Dpol of Foot-and-Mouth Disease Virus: An Integrated In Silico and In Vitro Investigation. *Viruses*. 2024, 16(7): 1128.
- He W, Liu S, Wei W, et al. mTOR inhibition by AZD2014 alleviates BCR:: ABL1 independent imatinib resistance through enhancing autophagy in CML resistant cells. *American Journal of Cancer Research*. 2024, 14(6): 2770.
- Wang Y, Qian K, Liu X, et al. Synergistic Bipolar Irreversible Electroporation for Tumor Ablation without Muscle Contraction. *IEEE Transactions on Biomedical Engineering*. 2024
- Chen F, Peng S, Li C, et al. Nitidine chloride inhibits mTORC1 signaling through ATF4-mediated Sestrin2 induction and targets IGF2R for lysosomal degradation. *Life Sciences*. 2024: 122918.
- Zhang T, Yin K, Niu X, et al. Development of Bivalent Aptamer-DNA Carrier-Doxorubicin Conjugates for Targeted Killing of Esophageal Squamous Cell Carcinoma Cells. *International Journal of Molecular Sciences*. 2024, 25(14): 7959.
- Zhang W, Wang X, Tang Y, et al. Melatonin alleviates doxorubicin-induced cardiotoxicity via inhibiting oxidative stress, pyroptosis and apoptosis by activating Sirt1/Nrf2 pathway. *Biomedicine & Pharmacotherapy*. 2023, 162: 114591.
- Song J, Xie D, Wei X, et al. A cuproptosis-related lncRNAs signature predicts prognosis and reveals pivotal interactions between immune cells in colon cancer. *Heliyon*. 2024
- Du X, Yang X, Zhao J, et al. Design of novel broad-spectrum antiviral nucleoside analogues using natural bases ring-opening strategy. *Drug Development Research*. 2024, 85(5): e22237.
- Hu Y, Zhao C, Tan W, et al. Discovery and Optimization of Hsp110 and sGC Dual-Target Regulators for the Treatment of Pulmonary Arterial Hypertension. *Journal of Medicinal Chemistry*. 2024
- Zhou T, Zhang X, Yang D, et al. Metformin overcomes chemoresistance by regulating stemness via KLF4 in oral squamous cell carcinoma. *Oral Diseases*. 2024
- He R B, Li W, Yao R, et al. Aurantiamide mitigates acute kidney injury by suppressing renal necroptosis and inflammation via GRPR-dependent mechanism. *International Immunopharmacology*. 2024, 139: 112745.
- Luo D, Su J, Zou Y, et al. 3D-printed triply periodic minimal surface bioceramic scaffold for bone defect treatment with tunable structure and mechanical properties. *Ceramics International*. 2024
- Dai L, Yu P, Fan H, et al. Identification and Validation of New DNA-PKcs Inhibitors through High-Throughput Virtual Screening and Experimental Verification. *International Journal of Molecular Sciences*. 2024, 25(14): 7982.
- Zhong J, He G, Ma X, et al. Triterpene-Based Prodrug for Self-Boosted Drug Release and Targeted Oral Squamous

Cell Carcinoma Chemotherapy. *ACS Applied Materials & Interfaces*.2024

Wu S, Shao T, Xie J, et al. MiR-199a-3p regulates HCT-8 cell autophagy and apoptosis in response to *Cryptosporidium parvum* infection by targeting MTOR. *Communications Biology*.2024, 7(1): 924.

Qin H, Cao Z, Lu F, et al. Monovalent, bivalent and biparatopic nanobodies targeting S1 protein of porcine epidemic diarrhea virus efficiently neutralized the virus infectivity. *BMC Veterinary Research*.2024, 20.

Ye Q, Liu Y, Zhang G, et al. Deficiency of gluconeogenic enzyme PCK1 promotes metabolic-associated fatty liver disease through PI3K/AKT/PDGFR axis activation in male mice. *Nature Communications*.2023, 14(1): 1402.

Liu Z, Nan P, Gong Y, et al. Endoplasmic reticulum stress-triggered ferroptosis via the XBP1-Hrd1-Nrf2 pathway induces EMT progression in diabetic nephropathy. *Biomedicine & Pharmacotherapy*.2023, 164: 114897.

Das D, Huang S H, Weng C L, et al. Detachable Acoustofluidic Droplet-Sorter. *Analytica Chimica Acta*.2024: 343043.

Li J, Shi D, Gong Z, et al. Aquaporin-3 is down-regulated by LMP1 in nasopharyngeal carcinoma cells to regulate cell migration and affect EBV latent infection. *Virus Genes*.2024: 1-13.

Ma S, Hu K, Xue J, et al. Self-assembly nanoparticles potentiate in-situ tumor vaccine of radiotherapy by regulating tumor immunogenicity and tumor-associated macrophages. *Chemical Engineering Journal*.2024: 154663.

Zhang X, Shi X, Zhang X, et al. Repositioning fluphenazine as a cuproptosis-dependent anti-breast cancer drug candidate based on TCGA database. *Biomedicine & Pharmacotherapy*.2024, 178: 117293.

Lai H Y, Chen Y J, Mersmann H J, et al. *Phyllanthus urinaria* water extract ameliorates lipid accumulation, oxidative stress and inflammation in chickens with fatty liver syndrome. *Italian Journal of Animal Science*.2024, 23(1): 1233-1249.

Li D, Li Y, Chen L, et al. Natural Product Auraptene Targets SLC7A11 for Degradation and Induces Hepatocellular Carcinoma Ferroptosis. *Antioxidants*.2024, 13(8): 1015.

Ma Y, He C, Lin W, et al. CAMK2G Promotes Neuronal Differentiation and Inhibits Migration in Neuroblastoma. *Journal of Pediatric Surgery*.2024

Wu H R, Zhang C N, Dou B Q, et al. Identification of O-arylated huperzines as novel cholinergic anti-inflammatory pathway agonists against gout arthritis. *Bioorganic Chemistry*.2024: 107716.

Zhang Y, Wang J. BRD4 absence inactivates endoplasmic reticulum stress to retard dehydroepiandrosterone-triggered ovarian granular cell apoptosis in polycystic ovary syndrome via GRP78. *Tissue and Cell*.2024: 102531.

Hu Y, He Z, Liu S, et al. Patient-derived rhabdomyosarcoma cells recapitulate the genetic and transcriptomic landscapes of primary tumors. *iScience*.2024

Huang B, Wen W, Ye S. Dapagliflozin Ameliorates Renal Tubular Ferroptosis in Diabetes via SLC40A1 Stabilization. *Oxidative medicine and cellular longevity*.2022

Hu Q, Chen Y, Zhang W, et al. Dehydroevodiamine targeting IKK $\beta$  to alleviate acute gastric injury via inhibiting the p65/NLRP3 axis. *Phytomedicine*.2024: 155963.

Shan G, Bian Y, Yao G, et al. Targeting ALDH2 to Augment Platinum-Based Chemosensitivity through Ferroptosis in Lung Adenocarcinoma. *Free Radical Biology and Medicine*.2024

Hu Q, Xie J, Jiang T, et al. Paeoniflorin alleviates DSS-induced ulcerative colitis by suppressing inflammation, oxidative stress, and apoptosis via regulating serum metabolites and inhibiting CDC42/JNK signaling pathway. *International Immunopharmacology*.2024, 142: 113039.

Hao J, Han G, Liang X, et al. PELO regulates erythroid differentiation through interaction with MYC to upregulate KLF10. *The FEBS Journal*.2024

Dang Y, Wang Y, Wei J, et al. 25-Hydroxycholesterol inhibits Hantavirus infection by reprogramming cholesterol metabolism. *Free Radical Biology and Medicine*.2024

Li X, Jiang Z, Li J, et al. PRELP inhibits colorectal cancer progression by suppressing epithelial-mesenchymal transition and angiogenesis via the inactivation of the FGF1/PI3K/AKT pathway. *Apoptosis*.2024: 1-19.

Wang S, Li Z, Chen C, et al. MACC1 enhances an oncogenic RNA splicing of IRAK1 through interacting with HNRNP1 in lung adenocarcinoma. *Journal of Cellular Physiology*.e31426.

Zeng L, Li Y Q, He S W, et al. The deubiquitinase USP44 enhances cisplatin chemosensitivity through stabilizing STUB1 to promote LRPPRC degradation in neuroblastoma. *Neuro-Oncology*.2024: noae175.

Zhao C, Wu Y, Li M, et al. Allosteric site identification, virtual screening and discovery of a sulfonamide Hsp110-STAT3 interaction inhibitor for the treatment of hypoxic pulmonary arterial hypertension. *European Journal of Medicinal Chemistry*.2024: 116855.

Gu F, Zhou Y, Tian L, et al. Morphine promotes non-small cell lung cancer progression by downregulating E-cadherin via the PI3K/AKT/mTOR pathway. *Scientific Reports*.2024, 14(1): 21130.

- Zhang W, Fan Z, Wang F, et al. Tubeimoside I Ameliorates Doxorubicin-Induced Cardiotoxicity by Upregulating SIRT3. *Oxidative Medicine and Cellular Longevity*. 2023, 2023.
- Ma M, Li X, Jing M, et al. Enhanced Tumor-Targeted Delivery of Arginine-Rich Peptides via a Positive Feedback Loop Orchestrated by Piezo1/integrin  $\beta$ 1 Signaling Axis. *Advanced Science*. 2024: 2409081.
- Tang F, Peng W, Kou X, et al. High-throughput screening identification of apigenin that reverses the colistin resistance of mcr-1-positive pathogens. *Microbiology Spectrum*. 2024: e00341-24.
- Hu S, Chen J, Jin J, et al. Construction of living-cell tissue engineered amniotic membrane for ocular surface disease. *BMC ophthalmology*. 2024, 24(1): 1-11.
- Bian Y, Shan G, Bi G, et al. Targeting ALDH1A1 to enhance the efficacy of KRAS-targeted therapy through ferroptosis. *Redox Biology*. 2024: 103361.
- Chang Y, Guo H, Li X, et al. Development of a First-in-Class DNMT1/HDAC Inhibitor with Improved Therapeutic Potential and Potentiated Antitumor Immunity. *Journal of Medicinal Chemistry*. 2024
- Yin J, Ding L, Yao S, et al. Y9, a Gboxin analog, displays anti-tumor effect in non-small cell lung cancer by inducing lysosomal dysfunction and apoptosis. *Bioorganic Chemistry*. 2024: 107820.
- Guo H, Xiao C, Li X, et al. PAI-1 siRNA-loaded biomimetic nanoparticles for ameliorating diminished ovarian reserve and inhibiting ovarian fibrosis. *European Journal of Pharmacology*. 2024: 176948.
- Liu Q, Guo L, Zhang H, et al. Hypoxia induces reversible gill remodeling in largemouth bass (*Micropterus salmoides*) through integrins-mediated cell adhesion. *Fish & Shellfish Immunology*. 2024: 109918.
- Liu J, Zhao H, Gao T, et al. Glypican-3-targeted macrophages delivering drug-loaded exosomes offer efficient cytototherapy in mouse models of solid tumours. *Nature Communications*. 2024, 15(1): 8203.
- Liu J, He L, Zhang W, et al. Evodiamine inhibits proliferation and induces apoptosis of nasopharyngeal carcinoma cells via the SRC/ERBB2-mediated MAPK/ERK signaling pathway. *Journal of Translational Medicine*. 2024, 22(1): 1-13.
- Shi M Y, Wang Y, Shi Y, et al. SETDB1-mediated CD147-K71 di-methylation promotes cell apoptosis in non-small cell lung cancer. *Genes & Diseases*. 2023
- Lei T, Cai X, Zhang H, et al. Bmal1 upregulates ATG5 expression to promote autophagy in skin cutaneous melanoma. *Cellular Signalling*. 2024: 111439.
- Liu Y, Zhang J, Zhai Z, et al. Upregulated PrPC by HBx enhances NF- $\kappa$ B signal via liquid-liquid phase separation to advance liver cancer. *npj Precision Oncology*. 2024, 8(1): 211.
- Zheng X Y, Lv Y, Xu L Y, et al. A novel approach for breast cancer treatment: the multifaceted antitumor effects of rMeV-Hu191. *Hereditas*. 2024, 161(1): 1-14.
- Zhu Y, Cao C, Li Z, et al. ASIC1a regulates ferroptosis in hepatic stellate cells via the Hippo/Yap-1 pathway in liver fibrosis. *International Immunopharmacology*. 2024, 143: 113226.
- Wu Z, Xiang H, Wang X, et al. Integrating network pharmacology, molecular docking and experimental verification to explore the therapeutic effect and potential mechanism of nomilin against triple-negative breast cancer. *Molecular Medicine*. 2024, 30(1): 166.
- Cheng Y, Rao P, Li S, et al. Alcohol promotes hepatocyte injury via ER stress sensor XBP1s mediated regulation of autophagy and lysosomal activity. *Toxicology and Applied Pharmacology*. 2024: 117117.
- Wang L, Cao J, Liu Z, et al. Enhanced interactions within microenvironment accelerates dismal prognosis in HBV-related HCC after TACE. *Hepatology Communications*. 2024, 8(10): e0548.
- Pantanam A, Mana N, Semkum P, et al. Dual effects of ipecac alkaloids with potent antiviral activity against foot-and-mouth disease virus as replicase inhibitors and direct virucides. *International Journal of Veterinary Science and Medicine*. 2024, 12(1): 134-147.
- Shen T, Sun X, Yang S, et al. Innovative Oral Nano/Gene Delivery System Based on Engineered Modified *Saccharomyces cerevisiae* for Colorectal Cancer Therapy. *ACS nano*. 2024
- Liu H, Shen C, Li H, et al. Discovery of Potent Covalent CRM1 Inhibitors Via a Customized Structure-Based Virtual Screening Pipeline and Bioassays. *Journal of Chemical Information and Modeling*. 2024
- Ma Y, Hong X, Wu F, et al. Inhibiting the transcription and replication of Ebola viruses by disrupting the nucleoprotein and VP30 protein interaction with small molecules. *Acta Pharmacologica Sinica*. 2023: 1-13.
- Cao J, Wu S, Zhao S, et al. USP24 promotes autophagy-dependent ferroptosis in hepatocellular carcinoma by reducing the K48-linked ubiquitination of Beclin1. *Communications Biology*. 2024, 7(1): 1-15.
- Yao R, Pan J S, He R B, et al. Pectolarigenin alleviates calcium oxalate-induced renal inflammation and oxidative stress by binding to HIF-1 $\alpha$ . *International Immunopharmacology*. 2024, 143: 113284.

- Ning Y, Chen Y, Tian T, et al. S100A7 Orchestrates Neutrophil Chemotaxis and Drives Neutrophil Extracellular Traps (NETs) Formation to Facilitate Lymph Node Metastasis in Cervical Cancer Patients. *Cancer Letters*. 2024: 217288.
- Wang M, Li J, Hu X, et al. Tiliarin attenuates inflammasome activation in endothelial progenitor cells to mitigate myocardial ischemia-reperfusion injury. *PLoS one*. 2024, 19(10): e0311624.
- Rajan D K, Zhang L, Li H, et al. Purification and characterization of alginate extracted from *Sargassum hemiphyllum* and its antioxidant and wound healing efficacy. *Food Bioscience*. 2024: 105228.
- Zhang K, Luo W, Liu H, et al. PANX2 promotes malignant transformation of colorectal cancer and 5-Fu resistance through PI3K-AKT signaling pathway. *Experimental Cell Research*. 2024: 114269.
- Zheng Y, Yang Y, Xiong Q, et al. Establishment and Verification of a Novel Gene Signature Connecting Hypoxia and Lactylation for Predicting Prognosis and Immunotherapy of Pancreatic Ductal Adenocarcinoma Patients by Integrating Multi-Machine Learning and Single-Cell Analysis. *International Journal of Molecular Sciences*. 2024, 25(20): 11143.
- Gong T, Sun W, Li X, et al. TMSB4Y restrains sphingomyelin synthesis via de novo purine synthesis to exert a tumor suppressor function in male esophageal squamous cell carcinoma. *Oncogene*. 2024: 1-13.
- Liu C, Jiang Y, Xue W, et al. Multiple tail ionizable lipids improve in vivo mRNA delivery efficiency with biosafety. *International Journal of Pharmaceutics*. 2024: 124868.
- Huang H Y, Hsu H Y, Kuo C Y, et al. Heterologous expressing melittin in a probiotic yeast to evaluate its function for promoting NSC-34 regeneration. *Applied Microbiology and Biotechnology*. 2024, 108(1): 496.
- Liu X, Xi H, Han S, et al. Zearalenone induces oxidative stress and autophagy in goat Sertoli cells. *Ecotoxicology and Environmental Safety*. 2023, 252: 114571.
- Tan Y, Li M, Li H, et al. Cardiac Urea Cycle Activation by Time-Restricted Feeding Protects Against Pressure Overload-Induced Heart Failure. *Advanced Science*. 2024: 2407677.
- Dai C, Wang X, Liu R, et al. ACY1215 Exerts Anti-inflammatory Effects by Inhibition of NF- $\kappa$ B and STAT3 Signaling Pathway to Repair Spinal Cord Injury. *Biological and Pharmaceutical Bulletin*. 2024, 47(10): 1734-1745.
- Dong Y, Zhang Y, Xu F, et al. Extensive Genomic Characterization, Pre-Clinical Probiotic Evaluation, and Safety Analysis of *Bifidobacterium longum* subsp. *longum* BL21 Isolated from Infant Feces. *Microbial Pathogenesis*. 2024: 107100.
- Wan X, Deng Q, Chen A, et al. Bioinformatics analysis and experimental validation of the oncogenic role of COL11A1 in pan-cancer. *3 Biotech*. 2024, 14(12): 1-17.
- Sun Y, Peng X, Guan Y, et al. K2FeO<sub>4</sub>-Enhanced Photodynamic Therapy of Breast Cancer via In Situ Synthesis of Fe<sub>2</sub>O<sub>3</sub> and O<sub>2</sub>. *Advanced Healthcare Materials*. 2402827
- Ji Z, Lin S, Gui S, et al. Overexpressed Poldip2 Incurs Retinal Fibrosis via the TGF- $\beta$ 1/SMAD3 Signaling Pathway in Diabetic Retinopathy. *Diabetes*. 2024, 73(10): 1742-1755.
- Zhou Q, Liu X, Lu H, et al. m<sup>6</sup>A-methylase METTL3 promotes retinal angiogenesis through modulation of metabolic reprogramming in RPE cells. *Journal of Neuroinflammation*. 2024, 21(1): 289.
- Wu M, Ma W, Lv G, et al. DDR1 is identified as an immunotherapy target for microsatellite stable colon cancer by CRISPR screening. *npj Precision Oncology*. 2024, 8(1): 253.
- Wang X, Xiao B, Zhong F, et al. ZSCAN16 expedites hepatocellular carcinoma progression via activating TBC1D31. *Cell Division*. 2024, 19(1): 31.
- Bei Z, Ye L, Tong Q, et al. Thermostimulated shrinking and adhesive hydrogel dressing for treating chronic diabetic wounds. *Cell Reports Physical Science*. 2024
- Han S, Zhang H, Liu X, et al. Enhanced autophagy reversed aflatoxin B<sub>1</sub>-induced decrease in lactate secretion of dairy goat Sertoli cells. *Ecotoxicology and Environmental Safety*. 2023, 259: 115063.
- Zhu H J, Zhou H M, Zhou X X, et al. Discovery of Novel 5-Cyano-3-phenylindole-Based LSD1/HDAC Dual Inhibitors for Colorectal Cancer Treatment. *Journal of Medicinal Chemistry*. 2024
- Li J, Zhang D, Li H, et al. Isodeoxyelephantopin ameliorates LPS-induced acute peritonitis by inhibiting NLRP3 inflammasome in vitro and in vivo. *International Immunopharmacology*. 2024, 143: 113144.
- Gao Z X, Li C L, Zhang H, et al. LINC00882, transcriptionally activated by CEBP- $\beta$  and post-transcriptionally stabilized by METTL14-mediated m<sup>6</sup>A modification, exerts tumorigenesis by promoting PABPC1-mediated stabilization of ELK3 mRNA. *Oncogene*. 2024: 1-15.
- Chen R, Lu Q, Zeng F, et al. A bioorthogonal probiotic platform spatiotemporally releases nanobodies in deep tumor for cancer chemoimmunotherapy. *Materials Today*. 2024
- Sun Y, Zhen F, Wang H, et al. Exosomal long non-coding RNA-LINC00839 promotes lung adenocarcinoma

- progression by activating NF- $\kappa$ B signaling pathway. *Annals of Medicine*.2024, 56(1): 2430029.
- Jin X, Yang Y, Liu D, et al. Identification of a covalent NEK7 inhibitor to alleviate NLRP3 inflammasome-driven metainflammation. *Cell Communication and Signaling*.2024, 22(1): 565.
- Hao X, Wu G, Li H, et al. Discovery of Sporachelins by Genome Mining of a *Micromonospora* Strain. *Journal of Natural Products*.2024
- Zhang C Y, Ou A J, Jin L, et al. Cadmium exposure triggers alveolar epithelial cell pyroptosis by inducing mitochondrial oxidative stress and activating the cGAS-STING pathway. *Cell Communication and Signaling*.2024, 22 (1): 566.
- Yang J, Wan S, Song Q, et al. Angiopoietin-like protein 8 directs DNA damage responses towards apoptosis by stabilizing PARP1-DNA condensates. *Cell Death & Differentiation*.2024: 1-17.
- Ye B, Bao X, Jian D, et al. Chitosan Hydrogels Loaded with pH-responsive Nanozymes for Precision Treatment of Wound Infection. *Precision Medicine and Engineering*.2024: 100014.
- Tian Y, Xia J, Yang G, et al. A2aR inhibits fibrosis and the EMT process in silicosis by regulating Wnt/ $\beta$ -catenin pathway. *Ecotoxicology and Environmental Safety*.2023, 249: 114410.
- Wang J, Fang X, Xing Y, et al. KDM1A-mediated ZFP64 demethylation activates CENPL to promote epithelial ovarian cancer progression. *Cytotechnology*.2025, 77(1): 10.
- Jiang W, Zhang F, Tang Z, et al. Prediction of prognosis and immune response in lung adenocarcinoma based on mitophagy and lactate-related gene signatures. *International Journal of Clinical Oncology*.2024: 1-21.
- Xiang L, Qin Y, Li L, et al. Targeting hyperactive mitochondria in activated HSCs and inhibition of liver fibrogenesis in mice using sorafenib complex micelles. *International Journal of Pharmaceutics*.2024: 125058.
- Shao W, Liu F, Zhu L, et al. Ferroportin inhibits the proliferation and migration of fibroblast-like synoviocytes in rheumatoid arthritis via regulating ROS/PI3K/AKT signaling pathway. *European Journal of Pharmacology*.2024: 177205.
- Xie S, Liu H, Zhu S, et al. Arsenic trioxide and p97 inhibitor synergize against acute myeloid leukemia by targeting nascent polypeptides and activating the ZAK $\alpha$ -JNK pathway. *Cancer Gene Therapy*.2024: 1-12.
- Wang X R, Zhong H, Ma S S, et al. Discovery of petroselinic acid with in vitro and in vivo antifungal activity by targeting fructose-1, 6-bisphosphate aldolase. *Phytomedicine*.2024: 155948.
- Zhang Z H, Yuan C Y, Xu M, et al. Calycosin inhibits the proliferation and metastasis of renal cell carcinoma through the MAZ/HAS2 signaling pathway. *Phytotherapy Research*..2024
- Qiao L, Chang J, Yang G, et al. Prophylactic supplementation with selenium nanoparticles protects against foodborne toxin zearalenone-induced intestinal barrier dysfunction. *Ecotoxicology and Environmental Safety*.2024, 284: 116914.
- Zheng X, Tang P, Li H, et al. Cucurbitacin E elicits apoptosis in laryngeal squamous cell carcinoma by enhancing reactive oxygen species-regulated mitochondrial dysfunction and endoplasmic reticulum stress. *American journal of cancer research*.2024, 14(8): 3905.
- Zhang C, Zhang H, Zhang Q, et al. Targeting ATP catalytic activity of chromodomain helicase CHD1L for the anticancer inhibitor discovery. *International Journal of Biological Macromolecules*.2024: 136678.
- Wu A, Li Z, Wang Y, et al. Recombinant measles virus vaccine rMV-Hu191 exerts an oncolytic effect on esophageal squamous cell carcinoma via caspase-3/GSDME-mediated pyroptosis. *Cell Death Discovery*.2023, 9(1): 171.
- Lin H, Ma C, Zhuang X, et al. Sensing steroid hormone 17 $\alpha$ -hydroxypregnenolone by GPR56 enables protection from ferroptosis-induced liver injury. *Cell Metabolism*.2024
- Liao D, Yang S, Zhao L, et al. ICAT-Mediated Crosstalk Between Cervical Cancer Cells and Macrophages Promotes M2-Like Macrophage Polarization to Reinforce Tumor Malignant Behaviors. *Molecular Carcinogenesis*.2024
- Zhang W, Gao K, Bai Y, et al. Wedelolactone attenuates liver fibrosis and hepatic stellate cell activation by suppressing the Hippo pathway. *Rejuvenation Research*.2024
- Hao S, Wang J, Hou L, et al. Design, synthesis and biological evaluation of novel quinazoline-derived EGFR/HER-2 dual-target inhibitors bearing a heterocyclic-containing tail as potential anti-tumor agents. *Bioorganic Chemistry*. 2024, 151: 107686.
- Yang G, Yang Y, Song Z, et al. Spliceosomal GTPase Eftud2 deficiency-triggered ferroptosis leads to Purkinje cell degeneration. *Neuron*.2024
- Guan J, Tang L, Wang Y, et al. Microsporidian EnP1 alters host cell H2B monoubiquitination and prevents ferroptosis facilitating microsporidia survival. *Proceedings of the National Academy of Sciences*.2024, 121(34): e2400657121.
- Hong W, Tang H, Wang D, et al. Xihuang Pill suppresses breast cancer malignancy by inhibiting TGF- $\beta$  signaling

- and acquires chemotherapy benefits. *Journal of Ethnopharmacology*.2024: 119000.
- Wang X, Yang J, Zhao Q, et al. A tissue-adhesive, mechanically enhanced, natural Aloe Vera-based injectable hydrogel for wound healing: Macrophage mediation and collagen proliferation. *International Journal of Biological Macromolecules*.2024: 137452.
- Luo R X, Li H L, Jia Y X, et al. Shengqi yichang decoction regulates antitumor immunity in colorectal cancer by downregulating lymphocyte antigen 6 family member G6D via the protein kinase B/p38 mitogen-activated protein kinase signaling pathway. *Heliyon*.2024, 10(21).
- Chen G, Gu P, Wu W, et al. SETD2 deficiency in peripheral sensory neurons induces allodynia by promoting NMDA receptor expression through NFAT5 in rodent models. *International Journal of Biological Macromolecules*.2024: 136767.
- Gong Y, Liu Z, Zhang Y, et al. AGER1 deficiency-triggered ferroptosis drives fibrosis progression in nonalcoholic steatohepatitis with type 2 diabetes mellitus. *Cell Death Discovery*.2023, 9(1): 178.
- Tretyakova E, Hua L, Smirnova A, et al. Novel Abietane type Sugar Triazole Hybrids and Amides against SARS-CoV-2 Spike Glycoprotein and Influenza A Virus. *Asian Journal of Organic Chemistry*.2024: e202400227.
- Zhu Y, Kang N, Zhang L, et al. Targeting and degradation of OTUB1 by Erianin for antimetastasis in esophageal squamous cell carcinoma. *Phytomedicine*.2024: 155969.
- Shi Y, Xing L, Zheng R, et al. Butyrate attenuates high-fat diet induced glomerulopathy through GPR43-Sirt3 pathway. *The British journal of nutrition*.2024: 1-27.
- Xu M, Li X, Yuan C, et al. Ursolic Acid Inhibits Glycolysis of Ovarian Cancer via KLF5/PI3K/AKT Signaling Pathway. *The American Journal of Chinese Medicine*.2024: 1-21.
- Qian M, Wan Z, Liang X, et al. Targeting autophagy in HCC treatment: exploiting the CD147 internalization pathway. *Cell Communication and Signaling: CCS*.2024, 22: 583.
- Zhang R, Fang Q, Yao L, et al. Taxifolin attenuates hepatic ischemia-reperfusion injury by enhancing PINK1/Parkin-mediated mitophagy. *European Journal of Pharmacology*.2024, 985: 177100.
- Song L, Zhai Z, Ouyang W, et al. Inhalation of macrophage membrane-coated hydrogel microparticles for inflammation alleviation of acute lung injury in vivo. *Acta Biomaterialia*.2024
- Cui G, Fan Y, Yang Y, et al. Discovery of N-Trifluoromethylated Noscapienes as Novel and Potent Agents for the Treatment of Glioblastoma. *Journal of Medicinal Chemistry*.2024
- Song L, Wu H, Sun X, et al. Penfluridol targets septin7 to suppress endometrial cancer by septin7-Orai/IP3R-Ca<sup>2+</sup>-PIK3CA pathway. *iScience*.2024
- Wang Z, Ou Q, Liu Y, et al. Adipocyte-derived CXCL10 in obesity promotes the migration and invasion of ovarian cancer cells. *Journal of Ovarian Research*.2024, 17(1): 1-13.
- Hu G, Cui Z, Chen X, et al. Suppressing Mesenchymal Stromal Cell Ferroptosis Via Targeting a Metabolism-Epigenetics Axis Corrects their Poor Retention and Insufficient Healing Benefits in the Injured Liver Milieu. *Advanced Science*.2023: 2206439.
- Yin J, Feng Z, Li Z, et al. Synthesis and evaluation of N-sulfonylpiperidine-3-carboxamide derivatives as capsid assembly modulators inhibiting HBV in vitro and in HBV-transgenic mice. *European Journal of Medicinal Chemistry*. 2023: 115141.
- Tang Y C, Ou J J, Hsu S C, et al. Advancing Precision Therapy for Colorectal Cancer: Developing Clinical Indications for Multi-target Kinase Inhibitor BPR1J481 Using Patient-Derived Xenograft Models. *Pharmacological Research*. 2024: 107556.
- Cheng L, Wei L, Chen Q, et al. DDR1 in pancreatic adenocarcinoma: unraveling the mechanisms of immune exclusion. *Scandinavian Journal of Gastroenterology*.2024: 1-10.
- Wang W, Shi Y, Yan B, et al. The dual role of calnexin on malignant progression and tumor microenvironment in glioma. *Scientific Reports*.2024, 14(1): 30796.
- Liu C H, Lin Y Y. Modelling ferroptosis in IPEC-J2 cells: insights into iron-dependent cell death. *Italian Journal of Animal Science*.2025, 24(1): 164-173.
- Lin H Y H, Chen I Y, Wang T M, et al. Role of Mitochondrial AKT1 Signaling in Renal Tubular Injury of Metabolic Syndrome. *Kidney International Reports*.2024
- Luo Z, Guo F, Gong C. Simulation and experimental study of bipolar pulse amplitude modulation for bipolar cancellation effect. *Microchemical Journal*.2024: 112494.
- Wang X, Wang Y, Geng X, et al. Oxymatrine antagonises oxidative stress and apoptosis in *Nemopilema nomurai* toxin-induced cardiotoxicity by inhibiting mitogen-activated protein kinase. *Toxicology Letters*.2024

- Zhao S, Cao J, Liang R, et al. METTL16 suppresses ferroptosis in cholangiocarcinoma by promoting ATF4 via m6A modification. *International Journal of Biological Sciences*. 2025, 21(1): 189.
- Gao P, Liu S, Chi X, et al. Computational optimization of a pan-coronavirus fusion inhibitory peptide targeting Spike's heptapeptide repeat region. *Biosafety and Health*. 2025
- Yue F, Zhao Y, Lv Y, et al. Anti-Tumor Effects of Sheep Umbilical Cord Mesenchymal Stem Cells on Melanoma Cells. *International Journal of Molecular Sciences*. 2025, 26(1): 426.
- Zhang Y, Pan Z, Chen C, et al. Design, synthesis and anti-ovarian cancer activities of thieno [2, 3-d] pyrimidine based chimeric BRD4 inhibitor/nitric oxide-donator. *European Journal of Medicinal Chemistry*. 2022: 114970.
- Shen X, Yan S, Zeng T, et al. TarKGC: A Target Identification Tool Using Semantics-Enhanced Knowledge Graph Completion with Application to CDK2 Inhibitor Discovery. *Journal of Medicinal Chemistry*. 2025
- Liu W, Liu X, Liu M, et al. Oxyglutamate Carrier Alleviates Cerebral Ischaemia-Reperfusion Injury by Regulating Mitochondrial Function. *European Journal of Neuroscience*. 2025, 61(1): e16659.
- Ma J, Yang Y, Wang K, et al. RSK4 promotes the metastasis of clear cell renal cell carcinoma by activating RUNX1-mediated angiogenesis. *Cancer Biology & Therapy*. 2025, 26(1): 2452025.
- Xu H, He Y, Chen S, et al. Blocking the CCL5/CCL7-CCR1 axis regulates macrophage polarization through NF- $\kappa$ B pathway to alleviate the progression of osteoarthritis. *International Immunopharmacology*. 2025, 147: 114027.
- Zhu L, Meng Q, Qian W, et al. LARP3 inhibits the apoptosis of hepatocellular carcinoma via the ROS/PI3K/c-Fos axis. *PloS one*. 2025, 20(1): e0317454.
- Zhang Y, Zhan C, Mei L, et al. Silencing of lncRNA Gm26917 Attenuates Alveolar Macrophage-mediated Inflammatory Response in LPS-induced Acute Lung Injury Via Inhibiting NKRF Ubiquitination. *Inflammation*. 2025: 1-18.
- Xia X H, Guan Y X, Wang S, et al. Encapsulation of astilbin in zein nanoparticles with fructo-oligosaccharides and caseinate as costabilizers: Formation, stability, bioavailability, and antioxidant capacity. *International Journal of Biological Macromolecules*. 2025: 139865.
- Liu C, Jiang Y, Xue W, et al. Ionizable Cholesterol Analogs as the Fifth Component of Lipid Nanoparticles for Selective Targeting Delivery of mRNA. *ACS Applied Materials & Interfaces*. 2025
- Wang C, Wang T, He Q, et al. Inhibition of the canonical Wnt/ $\beta$ -catenin pathway interferes with macropinocytosis to suppress pseudorabies virus proliferation. *Veterinary Microbiology*. 2025: 110373.
- Yang C, Yu P, Chen J, et al. An Oxidation-Reduction-Triggered Thiamine Disulfide-Based Prodrug of 10-Hydroxycamptothecin for Selective Tumor Cell Locking and Therapeutic Delivery. *European Journal of Medicinal Chemistry*. 2024: 117233.
- Huang T H, Chen C J, Lin H C A, et al. Self-Nanoemulsifying Drug Delivery System-Containing the Poorly Absorbed Drug-Valsartan in Post-Bariatric Surgery. *International Journal of Nanomedicine*. 2023: 2647-2658.
- Chang W S, Huang C C, Chen T H, et al. Hyperbaric oxygen potentiates platelet-rich plasma composition and accelerates bone healing. *Journal of Orthopaedic Translation*. 2025, 51: 1-12.
- Chen S, Xie C, Long X, et al. Development of Electrospinning Setup for Vascular Tissue-Engineering Application with Thick-Hierarchical Fiber Alignment. *Tissue Engineering and Regenerative Medicine*. 2025: 1-16.
- Li Y, Liu S, Wen L, et al. Profiling immune cell-related gene features and immunoregulatory ceRNA in ischemic stroke. *Molecular Biomedicine*. 2024, 5(1): 72.
- Luo X, Linghu M, Zhou X, et al. Merestinib inhibits cuproptosis by targeting NRF2 to alleviate acute liver injury. *Free Radical Biology and Medicine*. 2025
- Lu Q Q, Zheng W W, Zhang Z Y, et al. *Trichinella spiralis* excretory/secretory proteins mediated larval invasion via inducing gut epithelial apoptosis and barrier disruption. *PLOS Neglected Tropical Diseases*. 2025, 19(1): e0012842.
- Gao L, Wu H, Feng J, et al. In vitro and in vivo activity of 1, 2, 3, 4, 6-O-pentagalloyl-glucose against *Candida albicans*. *Antimicrobial Agents and Chemotherapy*. 2025: e01775-24.
- Kublicka A, Lorek D, Mikołajczyk-Martinez A, et al. Imaging flow cytometry reveals the mechanism of equine arteritis virus entry and internalization. *Scientific Reports*. 2025, 15(1): 3246.
- Chen Y, Zhi Y, Zhong H, et al. Inhibition of Kv1.3 channel restrains macrophage M2 polarization and ameliorates renal fibrosis via regulating STAT6 phosphorylation. *Pharmacological Research*. 2025: 107623.
- Tian Y, Dong R, Guan Y, et al. UBE2J1 is identified as a novel plasma cell-related gene involved in the prognosis of high-grade serous ovarian cancer. *Journal of Translational Medicine*. 2025, 23(1): 129.
- Wu X, Li Y, Wang W, et al. DRAM1 enhances the proliferation and metastasis of gastric cancer through the PI3K/AKT/mTOR signaling pathway and energy metabolism. *Scientific Reports*. 2025, 15(1): 3542.

- Zhu J M, Chen C, Kong M, et al. Discovery and optimization of indirubin derivatives as novel ferroptosis inducers for the treatment of colon cancer. *European Journal of Medicinal Chemistry*. 2023: 115829.
- Zhou H, Zhou X, Huang G, et al. Inhibition of ferroptosis protects intrahepatic bile duct cells against ischemia-reperfusion and bile salt toxicity. *Biochemical Pharmacology*. 2025: 116788.
- Wang J, Chen B, Cheng C, et al. Timosaponin B II as a novel KEAP1-NRF2 inhibitor to alleviate alcoholic liver disease: Receptor structure-based virtual screening and biological evaluation. *Chemico-Biological Interactions*. 2025: 111390.
- Zeng X H, Gao W T, Tian X Q, et al. Regulating p53/PUMA pathway on Cervical Cancer C-33A and HeLa cells of *Acanthus ilicifolius* Linn alkaloid 2-Benzoxazolinone Derivatives. *Journal of Molecular Structure*. 2025: 141569.
- Chen X Q, Cui S S, Chen Y Z, et al. Efficient Delivery of Oncolytic Peptide LTX-315 by ZIF-8: pH-Responsive Release, Improved Stability, and Reduced Hemolysis. *Molecular Pharmaceutics*. 2025
- Dai Y, Li H, Fan S, et al. Dimethyl fumarate promotes the degradation of HNF1B and suppresses the progression of clear cell renal cell carcinoma. *Cell Death & Disease*. 2025, 16(1): 1-12.
- Yang Y C, Jin X Y, Yang L L, et al. GNE-317 Reverses MSN-Mediated Proneural-to-Mesenchymal Transition and Suppresses Chemoradiotherapy Resistance in Glioblastoma via PI3K/mTOR. *Advanced Science*. 2025: 2412517.
- Hu C, Ren C, Wu Y, et al. ZLN005, a PGC-1 $\alpha$  agonist, delays photoreceptor degeneration by enhancing mitochondrial biogenesis in a murine model of retinitis pigmentosa. *Neuropharmacology*. 2025: 110361.
- Xing J, Feng X, Zhang R, et al. Targeting Hepatocellular Carcinoma Growth: Haprolid's Inhibition of AKT Signaling Through DEXH-Box Helicase 9 Downregulation. *Cancers*. 2025, 17(3): 443.
- Xue X, Zhou Y, Liu H, et al. A novel missense mutation Smad4 V354L enhances the efficacy of docetaxel in non-small cell lung cancer. *Biomedicine & Pharmacotherapy*. 2025, 184: 117899.
- Zhao M, Cui M, Fan M, et al. Octreotide attenuates experimental severe acute pancreatitis through inhibiting pyroptosis and modulating intestinal homeostasis. *European Journal of Pharmacology*. 2025: 177314.
- Wan S, Chen X, Yin F, et al. Indirubin derivatives as bifunctional molecules inducing DNA damage and targeting PARP for the treatment of cancer. *European Journal of Medicinal Chemistry*. 2023: 115843.
- Guoyun J, Yuefeng Q, Zhenglan H, et al. CAR-macrophages targets CD26 to eliminate chronic myeloid leukemia stem cells. *Experimental Hematology & Oncology*. 2025, 14: 14.
- Haiye J, Xiangzhu W, Yunfei Z, et al. Overexpressed NEK2 contributes to progression and cisplatin resistance through activating the Wnt/ $\beta$ -catenin signaling pathway in cervical cancer. *Cancer Cell International*. 2025, 25(1): 1-18.
- Multi-Omics Analysis Revealed That TAOK1 Can Be Used as a Prognostic Marker and Target in a Variety of Tumors, Especially in Cervical Cancer
- Discovery of STING antagonists Targeting cGAS-STING Pathway to Alleviate IMQ-induced Psoriasis-like Dermatitis
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- FOXM1 mediates methotrexate resistance in osteosarcoma cells by promoting autophagy
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- Di-(2-ethylhexyl)-phthalate disrupts mouse placental growth by regulating the cell cycle of mouse placental trophoblasts through the Trim38-p53 signaling axis
- The Role of Mitochondrial AKT1 Signaling in Renal Tubular Injury of Metabolic Syndrome
- Wang C, Wang T, Hu R, et al. 9-Butyl-Harmol Exerts Antiviral Activity against Newcastle Disease Virus through Targeting GSK-3 $\beta$  and HSP90 $\beta$ . *Journal of Virology*. 2023: e01984-22.
- Structure-based virtual screening towards the discovery of novel thrombin inhibitors with Anti-HCC activities
- Zha W, Wang J, Guo Z, et al. Efficient Delivery of VEGF-A mRNA for Promoting Diabetic Wound Healing via Ionizable Lipid Nanoparticles. *International Journal of Pharmaceutics*. 2022: 122565.
- Wang G, Xu L, Shi R, et al. Organotypic culture model of mouse meibomian gland as a screening platform for risk factors related to meibomian gland dysfunction. *The Ocular Surface*. 2023
- Zhang S, Lu Y, He X, et al. Lutein inhibits tumor progression through the ATR/Chk1/p53 signaling pathway in non-small cell lung cancer. *Phytotherapy Research*. 2022
- Li M, Zhang R, Ge Q, et al. Chemerin as an Inducer of  $\beta$  Cell Proliferation Mediates Mitochondrial Homeostasis and Promotes  $\beta$  Cell Mass Expansion. *International Journal of Molecular Sciences*. 2023, 24(11): 9136.

- Zheng C, Zhang B, Li Y, et al. Donafenib and GSK-J4 Synergistically Induce Ferroptosis in Liver Cancer by Upregulating HMOX1 Expression. *Advanced Science*. 2023: 2206798.
- Li L, Lv L, Xu J C, et al. RIG-I Promotes Tumorigenesis and Confers Radioresistance of Esophageal Squamous Cell Carcinoma by Regulating DUSP6. *International Journal of Molecular Sciences*. 2023, 24(6): 5586.
- Wang W, Wang M, Du T, et al. SHMT2 Promotes Gastric Cancer Development through Regulation of HIF1 $\alpha$ /VEGF/STAT3 Signaling. *International Journal of Molecular Sciences*. 2023, 24(8): 7150.
- Li T, Zhu C, Liang C, et al. Surface-Induced Peptide Nanofibers for Selective Bacteria Trapping. *ACS Applied Nano Materials*. 2023
- Ou Z, Wang K, Shen W, et al. Oncogenic FLT3 internal tandem duplication activates E2F1 to regulate purine metabolism in acute myeloid leukaemia. *Biochemical Pharmacology*. 2023: 115458.
- Liu X, Wang J, Wu X, et al. Blocking ATP-P1Rs axis attenuate alcohol-related liver fibrosis. *Life Sciences*. 2023: 121896.
- Wang K, Zhang Y, Ao M, et al. Multi-omics analysis defines a cuproptosis-related prognostic model for ovarian cancer: Implication of WASF2 in cuproptosis resistance. *Life Sciences*. 2023: 122081.
- Wu Z, Yuan C, Zhang Z, et al. Paris saponins VII inhibits glycolysis of ovarian cancer via the RORC/ACK1 signaling pathway. *Biochemical Pharmacology*. 2023: 115597.
- Zhao Y, Zhao N, Cai Y, et al. An algal lectin griffithsin inhibits Hantaan virus infection in vitro and in vivo. *Frontiers in Cellular and Infection Microbiology*. 2022, 12: 1813.
- He Y, Gong F, Jin T, et al. Dose-Dependent Effects in Plasma Oncotherapy: Critical In Vivo Immune Responses Missed by In Vitro Studies. *Biomolecules*. 2023, 13(4): 707.
- Tsai C Y, Ko H J, Chiou S J, et al. GSKIP modulates cell aggregation through EMT/MET signaling rather than differentiation in SH-SY5Y human neuroblastoma cells. *Journal of Cell Communication and Signaling*. 2023: 1-16.
- Lu Y, Shan P, Lu W, et al. ROS-Responsive and Self-Amplifying polymeric prodrug for accelerating infected wound healing. *Chemical Engineering Journal*. 2023: 142311.
- Shi C J, Xue Z H, Zeng W Q, et al. LncRNA-NEF suppressed oxaliplatin resistance and epithelial-mesenchymal transition in colorectal cancer through epigenetically inactivating MEK/ERK signaling. *Cancer Gene Therapy*. 2023: 1-11.
- Li Q, Yuan H, Zhao G, et al. ZNF32 prevents the activation of cancer-associated fibroblasts through negative regulation of TGFB1 transcription in breast cancer. *The FASEB Journal*. 2023, 37(4): e22837.
- Huang Z X, Zhou S T, Yang Z B, et al. Molnupiravir Inhibits Porcine Epidemic Diarrhea Virus Infection In Vitro. *Viruses*. 2023, 15(6): 1317.
- Wang J, Zhang Y, Dong S, et al. Bivalent mRNA vaccines against three SARS-CoV-2 variants mediated by new ionizable lipid nanoparticles. *International Journal of Pharmaceutics*. 2023: 123155.
- Liu P, Qiu T, Liu J, et al. Mechanically enhanced and osteobioactive synthetic periosteum via development of poly ( $\epsilon$ -caprolactone)/microtantalum composite. *Colloids and Surfaces B: Biointerfaces*. 2023: 113537.
- Cai J, Ye Z, Hu Y, et al. FAIM2 is a potential pan-cancer biomarker for prognosis and immune infiltration. *Frontiers in oncology*. 2022, 12.
- Gao J, Wang N, Zong F, et al. TIPE2 regulates the response of BV2 cells to lipopolysaccharide by the crosstalk between PI3K/AKT signaling and microglia M1/M2 polarization. *International Immunopharmacology*. 2023, 120: 110389.
- Wang X, Shen T, Lian J, et al. Resveratrol reduces ROS-induced ferroptosis by activating SIRT3 and compensating the GSH/GPX4 pathway. *Molecular Medicine*. 2023, 29(1): 1-17.
- Shan X, Jiang R, Gou D, et al. Identification of a diketopiperazine-based O-GlcNAc transferase inhibitor sensitizing hepatocellular carcinoma to CDK9 inhibition. *The FEBS Journal*. 2023
- Dong L, Zhao Y, Sun C, et al. ASIC1a-CMPK2-mediated M1 macrophage polarization exacerbates chondrocyte senescence in osteoarthritis through IL-18. *International Immunopharmacology*. 2023, 124: 110878.
- Wang X, Wang Y, Cao A, et al. Development of cyclopeptide inhibitors of cGAS targeting protein-DNA interaction and phase separation. *Nature Communications*. 2023, 14(1): 6132.
- Wu L, Lin Y, Gao S, et al. Luteolin inhibits triple-negative breast cancer by inducing apoptosis and autophagy through SGK1-FOXO3a-BNIP3 signaling. *Frontiers in Pharmacology*. 2023, 14: 1200843.
- Tao C, Wang J, Gu Z, et al. Network pharmacology and metabolomics elucidate the underlying mechanisms of Venenum Bufonis in the treatment of colorectal cancer. *Journal of Ethnopharmacology*. 2023: 116695.
- Wang X, Feng J, Wu R, et al. Garcinol and its analogues: synthesis, cytotoxic activity and mechanistic investigation.

Bioorganic Chemistry.2023: 106389.

Luo J, Wang Z, Zhang X, et al.Vascular Immune Evasion of Mesenchymal Glioblastoma Is Mediated by Interaction and Regulation of VE-Cadherin on PD-L1.Cancers.2023, 15(17): 4257.

Wang S J, Ye W, Li W Y, et al.Effects and mechanisms of Xiaochaihu Tang against liver fibrosis: An integration of network pharmacology, molecular docking and experimental validation.Journal of Ethnopharmacology.2022: 116053.

Lei L, Wang Y, Liu R, et al.Transfer of miR-4755-5p through extracellular vesicles and particles induces decitabine resistance in recipient cells by targeting CDKN2B.Molecular Carcinogenesis.2023

Zhang J, An L, Zhao R, et al.KIF4A promotes genomic stability and progression of endometrial cancer through regulation of TPX2 protein degradation.Molecular Carcinogenesis.2023, 62(3): 303-318.

Xie H, Xu W, Liang J, et al.Design, synthesis and evaluation of EZH2-based PROTACs targeting PRC2 complex in lymphoma.Bioorganic Chemistry.2023: 106762.

Wang R, Dong S, Xia R, et al.Kinsenoside mitigates myocardial ischemia/reperfusion-induced ferroptosis via activation of the Akt/Nrf2/HO-1 pathway.European Journal of Pharmacology.2023: 175985.

Xiong Q, Zhang Z, Yang Y, et al.Krüppel-like Factor 6 Suppresses the Progression of Pancreatic Cancer by Upregulating Activating Transcription Factor 3.Journal of Clinical Medicine.2023, 12(1): 200.

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