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最后毕业院校	南开大学		所学专业	生物化学与分子生物学		
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个人学习及工作经历	<p>2023.01-今，烟台大学-药学院，教授</p> <p>2018.07-2023.01，烟台大学-药学院，副教授</p> <p>2014.05-2018.04，美国食品药品监督管理局（U.S.FDA），ORISE Fellow</p> <p>2013.11-2014.05，美国加州大学圣地亚哥分校（UCSD），博士后</p> <p>2013.07-2017.04，天津医科大学总医院，助理研究员</p> <p>2010.09-2013.06，南开大学，生物化学与分子生物学，博士</p>					
学术兼职	<p>担任以下国际期刊审稿人：</p> <p>Toxicology and Applied Pharmacology</p> <p>Journal of Food and Drug Analysis</p> <p>OMICS Publishing Group/ACR</p> <p>Neoplasm</p> <p>PLoS ONE</p> <p>Journal of Environmental Science and Health, Part C (JESH-C)</p> <p>BioMed Research International</p> <p>OncoTargets and Therapy</p> <p>International Medical Case Reports Journal</p> <p>Toxicology in Vitro</p>					
目前研究方向简介	<ol style="list-style-type: none"> 1. 视网膜的损伤机制与治疗策略的研究 2. 新型纳米体系在眼部疾病中的应用研究 3. 潜在药物以及生物材料的毒理学研究 					

<p>近五年主持（或参与）教学、科研项目</p>	<ol style="list-style-type: none"> 1. 双重靶向兼具 ROS 响应型哌啶氮氧化物脂质体在视网膜缺血再灌注损伤中的应用研究（2022XDRH033）烟台市科技创新发展计划校地融合项目，项目负责人 2. 线粒体靶向缓释微球 PLGA-(TEMPO+TPP-Ceria)对视网膜缺血再灌注损伤的作用及机制研究（81970826），国家自然科学基金面上项目，项目负责人 3. IL-10修饰的骨髓来源的神经干细胞对视网膜缺血再灌注损伤的作用及机制的研究（81500743），国家自然科学基金青年项目，项目负责人 4. VEGI对糖尿病视网膜病变的区域免疫炎性微环境调控作用及分子机制的研究（91442124），国家自然科学基金重大研究项目培育计划，第一参与人 5. PD-1/PD-L1对年龄相关性黄斑变性发展的影响及免疫机制的研究（81670865），国家自然科学基金，第二参与人 6. IL-10修饰的内皮祖细胞对非增生期糖尿病视网膜病变发展的影响和分子机制的研究（81371038），国家自然科学基金面上项目，第二参与人
<p>近五年教学、科研获奖及专利</p>	<p>获奖：</p> <p>2016 FDA Chief Scientist Publication Award for Basic, Translational, or Applied Science for the publication “<i>Ginkgo biloba</i> leaf extract induces DNA damage by inhibiting topoisomerase II activity in human hepatic cells”.</p> <p>2015 FDA Group Recognition Award for developing efficient assays to quantitatively measure endoplasmic reticulum stress and autophagy induced by hepatic toxicants.</p> <p>2014 Outstanding oral presentation, 3rd place, South Central Chapter of the Society of Toxicology.</p> <p>2012 Outstanding paper award of 2nd Clinical Biochemistry and Molecular Biology Society of China.</p> <p>授权专利：</p> <ol style="list-style-type: none"> 1. miR-885-5p在制备判断原发性肝癌临床分期的诊断试剂中的用途，ZL201210222211.0 2. 一种抑制原发性肝癌生长和转移的新方法，ZL201210222212.5

<p>近五年已发表的代表性论著</p>	<ol style="list-style-type: none"> 1. Liu J, Yang S, Zhao L, Jiang F, Peng S, Zhao R, Huang Y, Fu X, Luo R, Jiang Y, Li Z, Wang N, Fang T, Zhang Z*. ROS generation and p-38 activation contribute to montmorillonite-induced corneal toxicity <i>in vitro</i> and <i>in vivo</i>. <i>Particles and Fibre Toxicology</i>, 2023, 20:8. (IF: 9.11) 2. Zhao L, Ling L, Lu J, Jing F, Sun J, Zhang Z, Huang Y, Liu X, Zhu Y, Fu X, Peng S, Zhao R, Zhang Z*. ROS-responsive mitochondria-targeted liposomal quercetin attenuates retinal ischemia-reperfusion injury via regulating SIRT1/FOXO3A and p38 MAPK signaling pathways. <i>Bioengineering & Translational Medicine</i>, 2022, e10460. (IF: 10.68) 3. Zhang Z*, Zhao L, Ma Y, Liu J, Huang Y, Fu X, Peng S, Wang X, Yang Y, Zhang X, Ding W, Yu J, Zhu Y, Yan H*, Yang S*. Mechanistic study of silica nanoparticles on the size-dependent retinal toxicity <i>in vitro</i> and <i>in vivo</i>. <i>Journal of Nanobiotechnology</i>, 2022, 20:146. (IF: 9.43) 4. Yang S*, Liao S, Ren X, Li Y, Ma Y, Zhang Z*. Highly selective enrichment of radioactive cesium from solution by using zinc hexacyanoferrate (III)-functionalized magnetic bentonite. <i>Journal of Colloid and Interface Science</i>, 2020, 580:171-179. (IF:9.9) 5. Peng S, Wang Y, Sun Z, Zhao L, Huang Y, Fu X, Chen C, Wang X, Wang R, Zhang Z*. Biomedical applications and toxicity of herb-derived natural product-loaded nanomaterials. <i>Colloids and Surfaces B: Biointerfaces</i>, 2023, 225. (IF: 6.45) 6. Huang Y, Li P, Zhao R, Zhao L, Liu J, Peng S, Fu X, Wang X, Luo R, Wang R, Zhang Z*. Silica nanoparticles: Biomedical applications and toxicity. <i>Biomedicine & Pharmacotherapy</i>, 2022, 151:113053. (IF: 7.42) 7. Ma Y, Li P, Zhao L, Liu J, Yu J, Huang Y, Zhu Y, Li Z, Zhao R, Hua S, Zhu Y, Zhang Z*. Size-dependent cytotoxicity and reactive oxygen species of cerium oxide nanoparticles in human retinal pigment epithelia cells. <i>International Journal of Nanomedicine</i>, 2021, 16:5333-5341. (IF: 7.03) 8. Li Z#, Zhang Z#, Cheng J, Li Q, Xie B, Li Y, Yang S, Stabilization of Prussian blue analogues using clay minerals for selective removal of cesium. <i>Journal of Molecular Liquids</i>, 2022, 345:117823. (IF: 6.6) 9. Liu J, Jiang F, Jiang Y, Wang Y, Li Z, Zhu Y, Wang H, Zhang Z*. Roles of exosomes in ocular diseases. <i>International Journal of Nanomedicine</i>, 2020, 15:10519–10538. (IF: 7.03) 10. Zhang Z, Ren Z, Chen S, Guo X, Liu F, Guo L, Mei N. ROS generation and JNK activation contribute to 4-methoxy-TEMPO-induced cytotoxicity, autophagy, and DNA damage in HepG2 cells. <i>Archives of Toxicology</i>, 2018, 92(2):717-728. (IF: 5.9)
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<p>近五年已发表的代表性论著</p>	<ol style="list-style-type: none"> 11. Zhang Z, Yin J, Yang J, Shen W, Zhang C, Mou W, Luo J, Yan H, Sun P, Luo Y, Tian Y, Xiang R. miR-885-5p suppresses hepatocellular carcinoma metastasis and inhibits Wnt/β-catenin signaling pathway. <i>Oncotarget</i>, 2016, 7(46):75038-75051. (IF: 5.2) 12. Zhang Z, Chen S, Mei H, Xuan J, Guo X, Couch L, Dobrovolsky VN, Guo L, Mei N. <i>Ginkgo biloba</i> leaf extract induces DNA damage by inhibiting topoisomerase II activity in human hepatic cells. <i>Scientific Reports</i>, 2015, 5:14633. (IF: 4.3) 13. Zhang Z, Chen Q, Townsend TA, Mao C, You C, Yang W, Sun Z, Yu J, Yan H. Changes in TL1A levels and associated cytokines during pathogenesis of diabetic retinopathy. <i>Molecular Medicine Reports</i>, 2016, 15(2):573-580. (IF: 3.42) 14. Zhang Z, Li H, Manjanatha MG, Chen T, Mei N. Neonatal exposure of 17β-estradiol has no effects on mutagenicity of 7,12-dimethylbenz [a] anthracene in reproductive tissues of adult mice. <i>Genes and Environment</i>, 2015, 37:16. (IF: 3.58) 15. Chen S*, Zhang Z*(co-first author), Wu Y, Shi Q, Yan H, Mei N, Tolleson WH, Guo L. Endoplasmic reticulum stress and store-operated calcium entry contribute to usnic acid-induced toxicity in hepatic cells. <i>Toxicological Sciences</i>, 2015, 146(1):116-26. (IF: 4.11) 16. Zhang Y*, Zhang Z* (co-first author), Yan H. Simvastatin inhibits ischemia/reperfusion injury-induced apoptosis of retinal cells via downregulation of the tumor necrosis factor-α/nuclear factor-κB pathway. <i>International Journal of Molecular Medicine</i>, 2015, 36(2):399-405. (IF: 5.3)
<p>指导研究生情况</p>	<p>博士：已毕业 名，在读 名。 硕士：已毕业 2 名，在读 5 名。（国家奖学金获得者：2 名）</p>