截止到 2025 年 4 月 12 日,在 Elsevier 出版的期刊中引用天津市倍思乐色谱技术开发中心的微球产品的论文清单如下(共 663 篇):

2025(59)

- 1. Jiang Zheng, Lun He, Qi Shi, Meilan Wang, Yu Ma, Wenjuan Yu, Lian Liu, Guocheng Yu, Xiaoting Liu, Boguang Wang, Jingxiang Zhong, In vivo and In vitro assessment of the retinal toxicity of polystyrene nanoplastics, Environment International, Volume 198, 2025, 109420.
- Qingwen Li, Xuan Niu, Yuli Cai, Lili Li, Zhongyuan Xia, Exposure to submicroplastics promotes the progression of nonalcoholic fatty liver disease in ApoE-deficient mice, Toxicology, 2025, 154137.
- Zhe Wang, Runyan Shi, Ruimin Wang, Zhenzhu Ma, Shuo Jiang, Fengquan Zhang, Weidong Wu, Gestational exposure to polystyrene microplastics incurred placental damage in mice: Insights into metabolic and gene expression disorders, Ecotoxicology and Environmental Safety, Volume 294, 2025, 118056.
- 4. Li-Jun Zhao, Qing Zhou, Na Zhou, Shixin Zhang, Yue Yang, Chao Shi, Yanhong Li, Feng Luan, Chunyuan Tian, Peng Xiao, Xuming Zhuang, Magnetic organoiridium nanocatalysts activate fluorescence biosensors, Sensors and Actuators B: Chemical, Volume 430, 2025, 137333.
- Li Tao, Shu Wu, Qian Wang, Zhiliang Xi, Ying Zou, Mibu Cao, Kaixin Liang, Waner Xu, Qian Hu, Yuanlong Ge, Zhinan Yin, Zhenyu Ju, Zhong Liu, IL-27 accelerates diabetic wound healing by modulating macrophage polarization, International Immunopharmacology, Volume 155, 2025, 114575.
- 6. Kangning Zhang, Shan Zheng, Chenhao Zhao, Junhua Liang, Xiaoxia Sun, Bioturbation effects and behavioral changes in buried bivalves after exposure to microplastics, Journal of Hazardous Materials, Volume 484, 2025, 136765.
- Chun Pan, Runyang Hong, Kehan Wang, Yujie Shi, Zhencheng Fan, Tingting Liu, Hao Chen, Chronic exposure to polystyrene microplastics triggers osteoporosis by breaking the balance of osteoblast and osteoclast differentiation, Toxicology, Volume 510, 2025, 154017.
- 8. Kai Lyu, Jiameng Li, Yuting Wu, Jana Asselman, Zhou Yang, Changes in population fitness and gene co-expression networks reveal the boosted impact of toxic cyanobacteria on Daphnia magna through microplastic exposure, Journal of Hazardous Materials, Volume 487, 2025, 137225.
- Guangning Kou, Shuai Yao, Amin Ullah, Shuhao Fang, Erni Guo, Yacong Bo, Polystyrene microplastics impair brown and beige adipocyte function via the gut microbiota-adipose tissue crosstalk in high-fat diet mice, Journal of Hazardous Materials, Volume 492, 2025, 138225.
- Peng Huang, Liping Cao, Jinliang Du, Yiqing Guo, Quanjie Li, Yi Sun, Haojun Zhu, Gangchun Xu, Jiancao Gao, Polystyrene nanoplastics amplify the toxic effects of PFOA on the Chinese mitten crab (Eriocheir sinensis), Journal of Hazardous Materials, Volume 488, 2025, 137488.
- 11. Peiwen Yang, Yueyong Shang, Bin Qu, Jinping Zhang, Muhammad Faisal Khalil, Menghong Hu, Youji Wang, Effects of functionalized nanoplastics on oxidative stress in the mussel Mytilus coruscus, Marine Pollution Bulletin, Volume 211, 2025, 117437.
- 12. Qing Zhao, Lingling Zhai, Yangyang Song, Mujiao Li, You Yang, Jian Zhao, Polystyrene microplastics impaired the function of leydig cells via GRP78/PERK/CHOP mediated endoplasmic reticulum stress in vivo and in vitro, Ecotoxicology and Environmental Safety,

- Volume 292, 2025, 117985.
- 13. Yujiao Wang, Anxiu Zhang, Ting Liang, Long Chen, Shuqi Feng, Zhuoyuan Zhao, Ziye Jing, Jieping Lv, Jun Xie, Bingrui Zhou, Polystyrene microplastics induce nephrotoxicity through DDIT4-mediated autophagy and apoptosis, Ecotoxicology and Environmental Safety, Volume 294, 2025, 118066.
- 14. Henghui Li, Simin Tang, Xiaoyu Jia, Xinyi Zhu, Ling Cai, Mingxiu Duan, Shaozhuo Wang, Huijun Jiang, MingHui Ji, Shoulin Wang, Jin Chen, Combined toxicity evaluation of polystyrene nanoplastics and Nano-ZnO of distinctive morphology on human lung epithelial cells, Science of The Total Environment, Volume 973, 2025, 179097.
- 15. Yunxing Lu, Haihui Wang, Zhou Zeng, Jianan Hui, Jiangyu Ji, Hongju Mao, Qiang Shi, Xiaoyue Yang, A deep learning-based integrated analytical system for tumor exosome on-chip isolation and automated image identification, Talanta Open, Volume 11, 2025, 100398.
- 16. Yajie Lei, Xue Li, Xuefei Mao, Microplastics aggravate the adverse effects of methylmercury than inorganic mercury on zebrafish (Danio rerio), Environmental Pollution, Volume 367, 2025, 125559.
- 17. Yuan-Yuan Liu, Jie Liu, Yuan Guo, Qiangqiang Zhang, Aoneng Cao, Haifang Wang, Interactions between polystyrene nanoparticles and human intestinal epithelial Caco-2 cells, NanoImpact, 2025, 100559.
- 18. Rui Zhu, Xiao Tan, Imran Ali, Zhipeng Duan, Yijia Wei, Jiang Huang, Jia Liang, Kai Sun, Eco-corona formation on aminated nanoplastics interacted with extracellular polymeric substances from bloom-forming cyanobacteria: Insightful mechanisms with DFT study, Water Research, Volume 278, 2025, 123394.
- 19. Juan Liu, Qianhong Chen, Xiaoyan Gan, Ruo Yuan, Yun Xiang, Highly sensitive and aptamer-based electrochemical fipronil biosensor based on primer exchange reaction and catalytic strand displacement dual recycling amplifications, Analytica Chimica Acta, Volume 1344, 2025, 343709.
- 20. Yongxing Hu, Pengcheng Zhang, Ashraf Ali, Haokun Tang, Lijun He, Renyong Zhao, Wenfen Zhang, Shusheng Zhang, Wenjie Zhao, Preparation of a 1,4-Diazabicyclo[2.2.2]octane sulfonate betaine zwitterionic stationary phase and comparative evaluation of its separation performance in hydrophilic interaction chromatography, Analytica Chimica Acta, Volume 1356, 2025, 344028.
- 21. Fang Chen, Zhen Li, Zeliang Su, Hongping Liao, Dandan Gao, Linyong Zhi, Chunmiao Kong, Qingzhi Zheng, Jun Wang, Toxic impacts of polystyrene nanoplastics and PCB77 in blunt snout bream: Evidence from tissue morphology, oxidative stress and intestinal microbiome, Geoscience Frontiers, Volume 16, Issue 2, 2025, 102005.
- 22. Zhuan Chen, Mingmeng Zheng, Teng Wan, Jie Li, Xiangyi Yuan, Li Qin, Lu Zhang, Tong Hou, Cuiqing Liu, Ran Li, Gestational exposure to nanoplastics disrupts fetal development by promoting the placental aging via ferroptosis of syncytiotrophoblast, Environment International, Volume 197, 2025, 109361.
- 23. Siwen Zheng, Wen-Xiong Wang, Differential effects of foodborne and waterborne micro(nano)plastics exposure on fish liver metabolism and gut microbiota community, Journal of Hazardous Materials, Volume 488, 2025, 137471.
- 24. Di Wu, Laura Carter, Paul Kay, Joseph Holden, Ying Yin, Hongyan Guo, Female zebrafish are more affected than males under polystyrene microplastics exposure, Journal of Hazardous

- Materials, Volume 482, 2025, 136616.
- 25. Jiaxin Li, Zhu Peng, Weigao Zhao, Xianxian Chu, Yimei Tian, Effects of polystyrene microplastics on the distribution behaviors and mechanisms of metalloid As(III) and As(V) on pipe scales in drinking water distribution systems, Journal of Hazardous Materials, Volume 483, 2025, 136542.
- 26. Shuquan Ding, Shunli Che, Mengting Huang, Yuan Ma, Longteng Shen, Jianbin Feng, Xilei Li, Impacts of nanopolystyrene and/or phoxim exposure at environmentally relevant concentrations on the intestinal histopathology, intestinal microbiota, and metabolome in Eriocheir sinensis, Aquatic Toxicology, Volume 278, 2025, 107168.
- 27. Wei-Qiang Luo, Meng-Ting Cao, Chen-Xuan Sun, Jun-Jian Wang, Meng-Xi Gao, Xue-Rui He, Le-Ning Dang, Yang-Yang Geng, Bing-Yao Li, Jing Li, Zhi-Cheng Shi, Xing-Rong Yan, Size-dependent internalization of polystyrene microplastics as a key factor in macrophages and systemic toxicity, Journal of Hazardous Materials, Volume 490, 2025, 137701.
- 28. Yunfei Xue, Xueyang Gong, Linfu Yang, Dandan Zhi, Qingxin Meng, Yulong Guo, Kun Dong, Yakai Tian, Influence of nano-polystyrene on cyfluthrin toxicity in honeybee Apis cerana cerana Fabricius, Ecotoxicology and Environmental Safety, Volume 290, 2025, 117753
- 29. Mengting Huang, Yuan Ma, Qianru Fan, Shunli Che, Jun Zhang, Shuquan Ding, Shuren Zhu, Xilei Li, Effects of nanopolystyrene and/or phoxim exposure on digestive function of Eriocheir sinensis, Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology, Volume 289, 2025, 110102.
- 30. Qingyu Zhang, Siyuan Zheng, Xiaoqing Pei, Yuxin Zhang, Gang Wang, Hongfeng Zhao, The effects of microplastics exposure on quail's hypothalamus: Neurotransmission disturbance, cytokine imbalance and ROS/TGF-β/Akt/FoxO3a signaling disruption, Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology, Volume 287, 2025, 110054.
- 31. Sugan Xia, Chaoyue Yan, Guodong Cai, Qingyu Xu, Hui Zou, Jianhong Gu, Yan Yuan, Zongping Liu, Jianchun Bian, Gut dysbiosis exacerbates inflammatory liver injury induced by environmentally relevant concentrations of nanoplastics via the gut-liver axis, Journal of Environmental Sciences, Volume 155, 2025, Pages 250-266.
- 32. Tong An, Wangjiang Feng, Han Li, Yanyan Wu, Pingli Dai, Yong-Jun Liu, Combined effects of microplastics and flupyradifurone on gut microbiota and oxidative status of honeybees (Apis mellifera L.), Environmental Research, Volume 270, 2025, 121026.
- 33. Fengchun Zhao, Guanqun Wang, Xinrui Cao, Wenxu Song, Min Guo, Huimin Wang, Zhengyou Yang, Non-competitive immunoassay for zearalenone based on phage display developed recombinant antibody and anti-immunocomplex peptide, Food Chemistry, Volume 472, 2025, 142943.
- 34. Siyuan Wang, Kaixin Yan, Ying Dong, Yihang Chen, Jiawei Song, Yufei Chen, Xiaoyan Liu, Ruiqiang Qi, Xinyu Zhou, Jiuchang Zhong, Jing Li, The influence of microplastics on hypertension-associated cardiovascular injury via the modulation of gut microbiota, Environmental Pollution, Volume 368, 2025, 125760.
- 35. Fangfang Yang, Shuang Li, Xiaolin Zhang, Li Wang, Shufeng Liu, Single-particle collision electrochemical biosensing for DNA and protein kinase via sulfhydryl group manipulation and biomodification-free Pt nanoparticle, Sensors and Actuators B: Chemical, Volume 426, 2025, 137099.
- 36. Yi Guo, Mei Li, Xiaoyu Liu, Huiling Duo, Boya Huang, Hengtai Lu, Xiangyu Zhang, Xuzhe Li, Ye

- Zhao, Kaoqi Lian, Tengfei Liu, Yun Shi, Yuan Gao, Li Meng, Di Zhao, Li Song, Rui Jiang, Haishui Shi, Perinatal exposure to polystyrene nanoplastics alters socioemotional behaviors via the microbiota—gut—brain axis in adult offspring mice, Brain, Behavior, and Immunity, Volume 128, 2025, Pages 121-133.
- 37. Wenxia Bu, Mengjiao Yu, Xinyi Ma, Zhaoping Shen, Jialing Ruan, Yi Qu, Ruiyao Huang, Peng Xue, Yuanyuan Ma, Juan Tang, Xinyuan Zhao, Gender-specific effects of prenatal polystyrene nanoparticle exposure on offspring lung development, Toxicology Letters, Volume 407, 2025, Pages 1-16.
- 38. Rong Shen, Peng Xia, Yanan Guo, Pengfei Ji, Xinyi Yuan, Lu Wang, Si Shuang, Liwei Zhou, Ruizhi Tong, Lijuan Zhang, Disheng Liu, Degui Wang, Effects of polystyrene microparticles exposures on spermatogenic cell differentiation and reproductive endpoints in male mice, Environmental Pollution, Volume 373, 2025, 126200.
- 39. Ying Xiong, Zhe Chen, Hanmin Xiang, Yi Liu, Yanlin Wang, Polystyrene microplastics disrupt adrenal steroid synthesis in male mice via mitochondrial dysfunction, Ecotoxicology and Environmental Safety, Volume 290, 2025, 117528.
- 40. Xingchi Liu, Xinchen Qiu, Zhang Pan, Jing Chen, Shanshan Li, Jingmeng Cheng, Label-free detection of E. coli by alternating current electrokinetic capacitive sensors, Analytica Chimica Acta, Volume 1354, 2025, 343972.
- 41. Xiuxiu Wang, Juan Zhao, Mingyang Gao, Tian Wang, Hongyan Zhang, Mechanism of nano-plastics induced inflammation injury in vascular endothelial cells, Journal of Environmental Sciences, Volume 154, 2025, Pages 624-634.
- 42. Fang Ma, Zhe Liu, Jinqiang Quan, Yijun Yuan, Jianzhou Wang, Xiangjun Zhou, Jing Wang, Lei Shen, Dunting Tie, Minlan Yang, Yang Lin, Guoyu Song, Yibo Wang, Guoxi Shi, N6-methyladenosine RNA methylation regulates microplastics-induced cell senescence in the rainbow trout liver, Science of The Total Environment, Volume 961, 2025, 178363.
- 43. Junli Lv, Zhenzhen Tan, Ziwen An, Rui Xu, Huaxing Zhang, Mingmei Guo, Fang Xiao, Mengwei Zhao, Yi Guo, Yi Liu, Xuehui Liu, Jingtao Ma, Huicai Guo, Co-exposure to polystyrene nanoplastics and F-53B induces vascular endothelial cell pyroptosis through the NF-κB/NLRP3 pathway, Journal of Hazardous Materials, Volume 486, 2025, 137114.
- 44. Bowen Li, Min Li, Dongwei Du, Bin Tang, Wenwen Yi, Miaoni He, Ruijuan Liu, Hairui Yu, Yunjiang Yu, Jing Zheng, Characteristics and influencing factors of microplastics entering human blood through intravenous injection, Environment International, Volume 198, 2025, 109377.
- 45. Ji Liu, Yanru Chen, Baiqin Sun, Dongxue Xu, Jinye Wang, Zhenlong Sun, Peng Liu, Futao Jing, Yize Song, Bin Xia, Toxicological effects of micro/nanoplastics and benzo[a]pyrene on cellular and molecular responses of Apostichopus japonicus (Selenka, 1867) during intestinal regeneration, Journal of Hazardous Materials, Volume 491, 2025, 138003
- 46. Pengfei Xie, Mohammad Mehdi Ommati, Deshan Chen, Weijun Chen, Lei Han, Xinquan Zhao, Hongwei Wang, Shixiao Xu, Ping Sun, Hepatotoxic effects of environmentally relevant concentrations of polystyrene microplastics on senescent Zebrafish (Danio rerio): Patterns of stress response and metabolomic alterations, Aquatic Toxicology, Volume 279, 2025, 107252.
- 47. Yan-Yang Lu, Rui Yang, Meiyi Cao, Lu Lu, Wanqing Zhu, Weizhen Hua, Meiping Tian, Yan Sun, Qingyu Huang, Reversibility of polystyrene nanoplastics-induced disruption of testosterone

- biosynthesis in mice: The role of histone modifications, Environmental Pollution, Volume 366, 2025, 125506.
- 48. Hua Wu, Lihua Feng, Huang Wu, Lihong Wang, Hengyi Xu, Fen Fu, Synergistic effects of PS-NPs and Cd on ovarian toxicity in adolescent rats: Ferroptosis by induction of mitochondrial redox imbalance via the SIRT3-SOD2/Gpx4 pathway, Ecotoxicology and Environmental Safety, Volume 290, 2025, 117622.
- 49. Qiang Ma, Yingying Sun, Shi Zhou, Xianqiang Yin, Huimin Sun, The transport of polystyrene microplastics in saturated porous media: Impacts of functional groups and solution chemistry, Journal of Environmental Management, Volume 377, 2025, 124696.
- 50. Xuan Hou, Xiangang Hu, Li Mu, Yuanyuan Wei, Heatwaves increase the polystyrene nanoplastic-induced toxicity to marine diatoms through interfacial interaction regulation, Journal of Hazardous Materials, Volume 483, 2025, 136703.
- 51. Sheng Kang, Yong Zheng, Baohua Zhu, Yingjie Wu, Qiang He, Ultrasensitive and rapid detection of Hg2+ in milk based on β -galactosidase driven colloidal motors, Food Research International, Volume 205, 2025, 115977.
- 52. Minghui Jiang, Xue Li, Chanjuan Cai, Yan Xu, Ping Song, Jing Yu, Combined toxicity of polystyrene microplastics and perfluorobutane sulfonate on mouse liver: Impact on lipid metabolism and gut-liver axis disruption, Ecotoxicology and Environmental Safety, Volume 292, 2025, 117904.
- 53. Wang Lin, Ling Liao, Ling Ling, Huimin Luo, Ying Jiang, Xinru Li, Yilong Yao, Pinhong Yang, Combined effects of co-exposure to microcystin-LR and polystyrene microplastics on growth, brain pathology and thyroid hormone homeostasis in adult zebrafish, Ecotoxicology and Environmental Safety, Volume 291, 2025, 117855.
- 54. Haibo Jin, Bowen Xue, Xuefang Chen, Tan Ma, Yonggang Ma, Hui Zou, Jiaqiao Zhu, Xishuai Tong, Ruilong Song, Weiqian Meng, Zongping Liu, Polystyrene microplastics induced spermatogenesis disorder via disrupting mitochondrial function through the regulation of the Sirt1-Pgc1α signaling pathway in male mice, Environmental Pollution, Volume 364, Part 2, 2025, 125364.
- 55. Mahmoud Babalar, Sumi Siddiqua, Lydia McIntyre, Destiny Ellenor, Jacek Usakiewicz, Nanoporous dopamine/β-cyclodextrin PES-PMACZ/MOF modified membrane for high-efficiency, low-fouling extraction of microplastics and PCB 209 from synthetic landfill leachate, Journal of Hazardous Materials Advances, Volume 18, 2025, 100637.
- 56. Liqun Chen, Bin Han, Shushuai Yang, Liqiong Guo, Lei Zhao, Ping Liu, Xiaoming Hong, Yan Zhao, Yahang Peng, Shiyong Qi, Lidan Hu, Yue Chen, Toxicological effects and mechanisms of renal injury induced by inhalation exposure to airborne nanoplastics, Journal of Hazardous Materials, Volume 488, 2025, 137393
- 57. Sijing Tang, Jin Qian, Yueming Zhu, Bianhe Lu, Yuxuan He, Yin Liu, Kailin Xu, Junwei Shen, Polystyrene nanoplastics reshape the peatland plants (Sphagnum) bacteriome under simulated wet-deposition pathway: Insights into unequal impact of ecological niches, Journal of Hazardous Materials, Volume 491, 2025, 138004.
- 58. Hongbo Wang, Chunyang Wu, Yucong Mao, Zhi-jun Zhao, Bin Song, Bingjun Yu, Linmao Qian, Chemical corrosion resistance mechanism of fabric-like flexible plasma sensors, Applied Surface Science, Volume 684, 2025, 161915.
- 59. Yujie Shi, Runyang Hong, Zhencheng Fan, Ran Huan, Yajie Gao, Min Ma, Tingting Liu, Chun

Pan, Chronic environmental exposure to polystyrene microplastics increases the risk of nonalcoholic fatty liver disease, Toxicology, Volume 511, 2025, 154067.

2024(143)

- 60. Ruimin Liu, Huina Gao, Xuefang Liang, Jiye Zhang, Qingjian Meng, Yuchen Wang, Wei Guo, Christopher J. Martyniuk, Jinmiao Zha, Polystyrene nanoplastics alter intestinal toxicity of 2,4-DTBP in a sex-dependent manner in zebrafish (Danio rerio), Journal of Hazardous Materials, Volume 478, 2024, 135585.
- 61. Fanmeng Meng, Liju Tan, Peining Cai, Jiangtao Wang, Effects of polystyrene nanoplastics on growth and hemolysin production of microalgae Karlodinium veneficum, Aquatic Toxicology, Volume 266, 2024, 106810.
- 62. Chunxia Yao, Chengbin Liu, Shuang Hong, Jiaxin Zhou, Zhaoliang Gao, Yiming Li, Weiwei Lv, Wenzong Zhou, Potential nervous threat of nanoplastics to Monopterus albus: Implications from a metabolomics study, Science of The Total Environment, Volume 910, 2024, 168482.
- 63. Sugan Xia, Chaoyue Yan, Lan Chen, Guodong Cai, Jianhong Gu, Yan Yuan, Hui Zou, Zongping Liu, Jianchun Bian, The role of lycopene in alleviating nanoplastic-induced liver inflammation and steatosis: Insights from gut microbiota remodeling, Food Bioscience, Volume 61, 2024, 104862.
- 64. Wencheng Xu, Mengjie Chang, Jingzhen Li, Mingyang Li, Robby Stoks, Chao Zhang, Local thermal adaption mediates the sensitivity of Daphnia magna to nanoplastics under global warming scenarios, Journal of Hazardous Materials, Volume 476, 2024, 134921.
- 65. Lijuan Liu, Yuanze Sun, Shaoting Du, Yanming Li, Jie Wang, Nanoplastics promote the dissemination of antibiotic resistance genes and diversify their bacterial hosts in soil, Eco-Environment & Health, Volume 3, Issue 1, 2024, Pages 1-10.
- 66. Mengting Huang, Yuan Ma, Shunli Che, Longteng Shen, Zhicheng Wan, Shiping Su, Shuquan Ding, Xilei Li, Nanopolystyrene and phoxim pollution: A threat to hepatopancreas toxicity in Chinese mitten crab (Eriocheir sinensis), Aquatic Toxicology, Volume 276, 2024, 107124.
- 67. Hui Bai, Lei Chen, Stereoisomeric separation and chiral recognition mechanism study of star cyclodextrin polymer as the chiral stationary phase, Analytica Chimica Acta, Volume 1329, 2024, 343249.
- 68. Jing Wen, Hang Sun, Bingwei Yang, Erqun Song, Yang Song, Long-term polystyrene nanoplastic exposure disrupt hepatic lipid metabolism and cause atherosclerosis in ApoE-/mice, Journal of Hazardous Materials, Volume 466, 2024, 133583.
- 69. Jinghao Chang, Yuchen Zhu, Ziye Yang, Ziqi Wang, Meixue Wang, Liqun Chen, Airborne polystyrene nanoplastics exposure leads to heart failure via ECM-receptor interaction and PI3K/AKT/BCL-2 pathways, Science of The Total Environment, Volume 954, 2024, 176469.
- 70. Yu Ma, Xiaoli Zhao, Bin He, Fabrication of nanoparticle array membranes by integrating semi-crystalline polymer self-assembly with NIPS for water treatment, Nanoscale Advances, Volume 6, Issue 14, 2024, Pages 3543-3552.
- 71. Qiao-hong Xiao, Hao Xiang, Ya-nan Tian, Jiao-long Huang, Ming-qun Li, Pu-qing Wang, Kai Lian, Peng-xia Yu, Meng-yao Xu, Ruo-nan Zhang, Yan Zhang, Jie Huang, Wei-cheng Zhang, Peng Duan, Polystyrene microplastics alleviate the developmental toxicity of silver nanoparticles in embryo-larval zebrafish (Danio rerio) at the transcriptomic level, Science of The Total Environment, Volume 954, 2024, 176485.

- 72. Jing Liu, Fang Xu, Mingzhu Guo, Daxue Gao, Yang Song, Nasal instillation of polystyrene nanoplastics induce lung injury via mitochondrial DNA release and activation of the cyclic GMP-AMP synthase-stimulator of interferon genes-signaling cascade, Science of The Total Environment, Volume 948, 2024, 174674.
- 73. Weiling Wang, Jinlin Chang, Lei Chen, Ding Weng, Yadong Yu, Yacong Hou, Guoxu Yu, Jiadao Wang, Xueguang Wang, A laser-processed micro/nanostructures surface and its photothermal de-icing and self-cleaning performance, Journal of Colloid and Interface Science, Volume 655, 2024, Pages 307-318.
- 74. Yiming Li, Yucong Ye, Xiaoyi Zhu, Xingguo Liu, Xinfeng Li, Yunlong Zhao, Xuan Che, Transcriptomic analysis reveals nanoplastics-induced apoptosis, autophagy and immune response in Litopenaeus vannamei, Science of The Total Environment, Volume 946, 2024, 174360.
- 75. Qingyu Zhang, Yuxin Zhang, Lingyang Jing, Hongfeng Zhao, Microplastics induced inflammation in the spleen of developmental Japanese quail (Coturnix japonica) via ROS-mediated p38 MAPK and TNF signaling pathway activation1, Environmental Pollution, Volume 341, 2024, 122891.
- 76. Runyang Hong, Yujie Shi, Zhencheng Fan, Yajie Gao, Hao Chen, Chun Pan, Chronic exposure to polystyrene microplastics induces renal fibrosis via ferroptosis, Toxicology, Volume 509, 2024, 153996.
- 77. Long Zhao, Jianheng Zheng, Yiying Gu, Xin Xu, Jianguo Yu, Jing Li, Shuyu Yang, Bo Chen, Jun Du, Ruihua Dong, Quercetin intervention mitigates small intestinal damage and immunologic derangement induced by polystyrene nanoplastics: Insights from multi-omics analysis in mice, Environmental Pollution, Volume 361, 2024, 124862.
- 78. Yiming Li, Yucong Ye, Haojuan Yuan, Siwen Li, Na Rihan, Xingguo Liu, Yunlong Zhao, Xuan Che, Dietary lipid supplementation alleviated the impacts of polystyrene nanoplastic exposure in Litopenaeus vannamei, Aquatic Toxicology, Volume 272, 2024, 106974.
- 79. Ji Liang, Anisah Lee Binti Abdullah, Yiming Li, Hong Wang, Sen Xiong, Mingming Han, Long-term PS micro/nano-plastic exposure: Particle size effects on hepatopancreas injury in Parasesarma pictum, Science of The Total Environment, Volume 954, 2024, 176530.
- 80. Yue Hao, Peng Wang, Minrou Cui, Zhenhua zeng, Sha Ma, Yixi Li, Tu Zou, Xianglin Fang, Lin Lin, Automatic localization and segmentation of adherent microplastics in optical micrographs based on improved YOLOv5 and adaptive perceptual UNET 3+++, Biomedical Signal Processing and Control, Volume 95, Part A, 2024, 106399.
- 81. Wentao Shao, Zhenkun Weng, Jingjia Liang, Qian Liu, Hongchao Zhang, Jin Xu, Gang Li, Zhensong Zhang, Ying Song, Haixia Xing, Anhua Huang, Hai Hu, Guibin Jiang, Zhaoyan Jiang, Maoyong Song, Aihua Gu, Enterohepatic circulation of nanoplastics induced hyperplasia, epithelial-mesenchymal transition, and neutrophil extracellular traps in gallbladder, Nano Today, Volume 57, 2024, 102353.
- 82. Yiming Li, Yucong Ye, Xiaoyi Zhu, Siwen Li, Na Rihan, Zongli Yao, Zhen Sun, Pengcheng Gao, Yunlong Zhao, Qifang Lai, Polystyrene nanoplastics induce apoptosis, histopathological damage, and glutathione metabolism disorder in the intestine of juvenile East Asian river prawns (Macrobrachium nipponense), Science of The Total Environment, Volume 954, 2024, 176718.
- 83. Biran Zhu, Xianglin Chen, Taotao Zhang, Qianqian Zhang, Kaiyu Fu, Jianghuan Hua,

- Mengyuan Zhang, Qing Qi, Binbin Zhao, Min Zhao, Lihua Yang, Bingsheng Zhou, Interactions between intestinal microbiota and metabolites in zebrafish larvae exposed to polystyrene nanoplastics: Implications for intestinal health and glycolipid metabolism, Journal of Hazardous Materials, Volume 472, 2024, 134478.
- 84. Daxiu Li, Yinghan Liu, Yuhao Li, Siqi Li, Yaqin Tang, Sensitive and point-of-care detection of lead ion in river water mediated by terminal deoxynucleotidyl transferase, Sensors and Actuators B: Chemical, Volume 401, 2024, 134909.
- 85. Yiming Li, Yucong Ye, Na Rihan, Bihong Zhu, Qichen Jiang, Xingguo Liu, Yunlong Zhao, Xuan Che, Polystyrene nanoplastics exposure alters muscle amino acid composition and nutritional quality of Pacific whiteleg shrimp (Litopenaeus vannamei), Science of The Total Environment, Volume 912, 2024, 168904.
- 86. Yuqiu Luo, Tiansi Xu, Bing Li, Fan Liu, Beibei Wu, Phil S. Dobson, Huabing Yin, Zheng Chen, Yong Qiu, Xia Huang, The effects of small plastic particles on antibiotic resistance gene transfer revealed by single cell and community level analysis, Journal of Hazardous Materials, Volume 480, 2024, 136271.
- 87. Sijing Tang, Jin Qian, Bianhe Lu, Yuxuan He, Yin Liu, Kailin Xu, Junwei Shen, Adsorption and uptake of functionalized nanoplastics (NPs) by wetland plant (Sphagnum): A unique pathway for polystyrene-NPs reduction in non-vascular plants, Science of The Total Environment, Volume 950, 2024, 175367.
- 88. Chaofan Zhang, Peng Xie, Zeyuan Wang, Haixing Chang, Nanqi Ren, Shih-Hsin Ho, Amide groups within polystyrene accelerates tetracycline removal in a continuous advanced microalgal treatment system, Journal of Hazardous Materials, Volume 477, 2024, 135346.
- 89. Ziyi Liu, Jingyu Ye, Renqun Zhang, Yiqing Li, Fanqi Guan, Tong Zhang, Jian Huang, Xun Min, Tao Zhang, Fractionation and antioxidation activities of polysaccharides from Zanthoxylum bungeanum Maxim, Food Chemistry, Volume 439, 2024, 138050.
- 90. Yan Cao, Qun Zhao, Fanshu Jiang, Yingxue Geng, Haoran Song, Linfeng Zhang, Chen Li, Jie Li, Yingjie Li, Xuewei Hu, Jianhong Huang, Senlin Tian, Interactions between inhalable aged microplastics and lung surfactant: Potential pulmonary health risks, Environmental Research, Volume 245, 2024, 117803.
- 91. Yanyan Shi, Xiaoyan Wei, Zheng Zhang, Shuai Wang, Hui Liu, Dandan Cui, Wenyuan Hua, Yanxin Fu, Yan Chen, Zhuang Xue, Xuejie Li, Wei Wang, Developmental toxicity and potential mechanisms exposed to polystyrene microplastics and polybrominated diphenyl ethers during early life stages of fat greenling (Hexagrammos otakii), Aquatic Toxicology, Volume 271, 2024, 106933.
- 92. Hang Sun, Bingwei Yang, Xiaokang Zhu, Qiong Li, Erqun Song, Yang Song, Oral exposure of polystyrene microplastics and doxycycline affects mice neurological function via gut microbiota disruption: The orchestrating role of fecal microbiota transplantation, Journal of Hazardous Materials, Volume 467, 2024, 133714.
- 93. Yiming Ma, Yao Zeng, Mengqi Sun, Ruiyang Ding, Yang Yu, Junchao Duan, Untargeted lipidomics uncover hepatic lipid signatures induced by long-term exposure to polystyrene microplastics in vivo, Toxicology Letters, Volume 400, 2024, Pages 49-57.
- 94. Zixuan Zhao, Xuan Zhao, Jiajia Shan, Xue Wang, Concentration analysis of metal-labeled nanoplastics in different water samples using electrochemistry, Science of The Total Environment, Volume 907, 2024, 168013.

- 95. Yiming Li, Yucong Ye, Haojuan Yuan, Na Rihan, Mingming Han, Xingguo Liu, Tian Zhu, Yunlong Zhao, Xuan Che, Exposure to polystyrene nanoplastics induces apoptosis, autophagy, histopathological damage, and intestinal microbiota dysbiosis of the Pacific whiteleg shrimp (Litopenaeus vannamei), Science of The Total Environment, Volume 919, 2024, 170924.
- 96. Linhao Zong, Xiaoyang Wang, Miaomiao Huo, Fangying Yi, Shan Huang, Tianqi Ling, Yumo Fang, Fei Ma, Xiaowei Zhang, Miao Guan, Insights into the synergistic toxicity mechanisms caused by nano- and microplastics with triclosan using a dose-dependent functional genomics approach in Saccharomyces cerevisiae, Chemosphere, Volume 362, 2024, 142629.
- 97. Chun Wang, Yaru Zhang, Changhai Wang, Meilin He, Enhancing aggregation of microalgae on polystyrene microplastics by high light: Processes, drivers, and environmental risk assessment, Journal of Hazardous Materials, Volume 476, 2024, 135062.
- 98. Minhao Liu, Xiukai Song, Cong Liu, Xumeng Cui, Wei Sun, Zhengmao Li, Jun Wang, Nanoplastics increase the adverse impacts of lead on the growth, morphological structure and photosynthesis of marine microalga Platymonas helgolandica, Marine Environmental Research, Volume 193, 2024, 106259.
- 99. Tan Ma, Huixian Cheng, Liang Kong, Chenghao Shen, Haibo Jin, Hongliang Li, Chun Pan, Jingyan Liang, Combined exposure of PS-MPs with NaF induces Sertoli cell death and dysfunction via ferroptosis and apoptosis, Toxicology, Volume 506, 2024, 153849.
- 100. Xue'en Jin, Yuyang Fang, Li'ang Li, Menghong Hu, James Kar-Hei Fang, Fahim Ullah Khan, Wei Huang, Youji Wang, Physiological responses of the microalga Isochrysis galbana exposed to polystyrene microplastics with different particle sizes, Marine Environmental Research, Volume 200, 2024, 106645.
- 101. Lixiang Feng, Chen Chen, Xi Xiong, Xiong Wang, Xinxin Li, Qihui Kuang, Xiao Wei, Likun Gao, Xuan Niu, Qingwen Li, Jun Yang, Lili Li, Pengcheng Luo, PS-MPs promotes the progression of inflammation and fibrosis in diabetic nephropathy through NLRP3/Caspase-1 and TGF-β1/Smad2/3 signaling pathways, Ecotoxicology and Environmental Safety, Volume 273, 2024, 116102.
- 102. Ye Qiu, Tong Zhang, Ping Zhang, Micro/nano plastics inhibit the formation of barium sulfate scale on metal surface, Journal of Hazardous Materials, Volume 480, 2024, 136151.
- 103. Wang Lin, Fen Hu, Fang Liu, Ling Liao, Ling Ling, Li Li, Jifeng Yang, Pinhong Yang, Microcystin-LR and polystyrene microplastics jointly lead to hepatic histopathological damage and antioxidant dysfunction in male zebrafish, Environmental Pollution, Volume 347, 2024, 123789.
- 104. Zhe Wang, Sibao Chen, Yiwei He, Le Liang, Zhongguan Jiang, Fish guts possess higher priority in assessing ecological risk of microplastics in both fish bodies and aquatic environments, Ecological Indicators, Volume 168, 2024, 112792.
- 105. Yanan Pan, Xuemei Ma, Yingjie Wu, Zhongxiang Zhao, Qiang He, Yuxing Ji, pH-responsive glucose-powered Janus polymer brushes nanomotors for drug delivery and controlled release, Colloids and Surfaces A: Physicochemical and Engineering Aspects, Volume 684, 2024, 133070.
- 106. Huan Li, Shimin Xu, Feng Zhou, Su Liu, Dong Zhang, Xuanyi Wei, Polystyrene microplastics exposure: Disruption of intestinal barrier integrity and hepatic function in infant mice, Ecotoxicology and Environmental Safety, Volume 288, 2024, 117357.
- 107. Chunyu Li, Yanhai Gong, Fei Wu, Jian Xu, Bo Ma, A microfluidics-free centrifugally-driven

- nano-liquid pipetting system (CNPS) for single-cell whole genome amplification, Sensors and Actuators B: Chemical, Volume 406, 2024, 135391.
- 108. Li Liu, Dong Wei, Hong Huang, Canyang Guo, Juan Liu, Changwei Hu, Jiaying Huang, Effects of polystyrene microplastics on Euglena gracilis: Intracellular distribution and the protozoan transcriptional responses, Aquatic Toxicology, Volume 266, 2024, 106802.
- 109. Sa Yang, Shi-Jie Cao, Cong-Yu Li, Qiang Zhang, Bo-Li Zhang, Feng Qiu, Ning Kang, Berberine directly targets AKR1B10 protein to modulate lipid and glucose metabolism disorders in NAFLD, Journal of Ethnopharmacology, Volume 332, 2024, 118354.
- 110. Xing-Lu Chen, Lin-Jun Wu, Li-Li Miao, Lei Li, Long-Mei Qiu, Hui-Qiang Zhu, Xi-Rui Si, Hong-Fei Li, Qiao-Ling Zhao, Peng-Zhi Qi, Ting-Ting Hou, Chronic polystyrene microplastics exposure-induced changes in thick-shell mussel (Mytilus coruscus) metaorganism: A holistic perspective, Ecotoxicology and Environmental Safety, Volume 284, 2024, 116961.
- 111. Zhen Zhong, Wenrui Shang, Peiwen Yang, Shixiu Wang, Liming Chen, Zhaowen Chen, Li'ang Li, Muhammad Faisal Khalil, Menghong Hu, Xiangrong Xu, Youji Wang, Bio-based microplastic polylactic acid exerts the similar toxic effects to traditional petroleum-based microplastic polystyrene in mussels, Science of The Total Environment, Volume 946, 2024, 174386.
- 112. Surui Lu, Qing Feng, Mingqing Chen, Xin Zeng, Huaqin Wei, Qizi Chen, Hai Guo, Liqin Su, Biao Yan, Yang Wu, Xu Yang, Ping Ma, Mechanisms underlying Th2-dominant pneumonia caused by plastic pollution derivatives (PPD): A molecular toxicology investigation that encompasses gut microbiomics and lung metabolomics, Journal of Hazardous Materials, Volume 480, 2024, 136326.
- 113. Yi Zheng, Xiufeng Gan, Chengyin Lin, Danhan Wang, Runyu Chen, Yuqing Dai, Lemiao Jiang, Changjiang Huang, Ya Zhu, Yang Song, Jiangfei Chen, Polystyrene nanoplastics cause reproductive toxicity in zebrafish: PPAR mediated lipid metabolism disorder, Science of The Total Environment, Volume 931, 2024, 172795.
- 114. Yui Tamura, Yuki Takai, Hirokuni Miyamoto, Lee SeokHyun, Yangqing Liu, Xuchun Qiu, lk Joon Kang, Yohei Simasaki, Chie Shindo, Wataru Suda, Hiroshi Ohno, Yuji Oshima, Alteration of shoaling behavior and dysbiosis in the gut of medaka (Oryzias latipes) exposed to 2-μm polystyrene microplastics, Chemosphere, Volume 353, 2024, 141643.
- 115. M. Petrov, D. Canena, N. Kulachenkov, N. Kumar, Pierre Nickmilder, Philippe Leclère, Igor Sokolov, Mechanical spectroscopy of materials using atomic force microscopy (AFM-MS), Materials Today, Volume 80, 2024, Pages 218-225.
- 116. Chun Pan, Xinglong Wang, Zhencheng Fan, Wenwen Mao, Yujie Shi, Yin Wu, Tingting Liu, Zhuobin Xu, Huihui Wang, Hao Chen, Polystyrene microplastics facilitate renal fibrosis through accelerating tubular epithelial cell senescence, Food and Chemical Toxicology, Volume 191, 2024, 114888.
- 117. Zhiqiang Zhang, Hongwei Yu, Min Tao, Tian Lv, Fuchao Li, Dan Yu, Chunhua Liu, Mechanistic insight into the impact of polystyrene microparticle on submerged plant during asexual propagules germination to seedling: Internalization in functional organs and alterations of physiological phenotypes, Journal of Hazardous Materials, Volume 469, 2024, 133929.
- 118. Yanju Huang, Liwen Wu, Yueshan Zhao, Jia Guo, Ruoyi Li, Suchen Ma, Zhengxin Ying, Schwann cell promotes macrophage recruitment through IL-17B/IL-17RB pathway in injured peripheral nerves, Cell Reports, Volume 43, Issue 2, 2024, 113753.

- 119. Huaqin Wei, Surui Lu, Mingqing Chen, Runming Yao, Biao Yan, Qing Li, Xiaoli Song, Mengcheng Li, Yang Wu, Xu Yang, Ping Ma, Mechanisms of exacerbation of Th2-mediated eosinophilic allergic asthma induced by plastic pollution derivatives (PPD): A molecular toxicological study involving lung cell ferroptosis and metabolomics, Science of The Total Environment, Volume 946, 2024, 174482.
- 120. Xiaoli Gou, Yongchun Fu, Juan Li, Juan Xiang, Minghui Yang, Yi Zhang, Impact of nanoplastics on Alzheimer 's disease: Enhanced amyloid-β peptide aggregation and augmented neurotoxicity, Journal of Hazardous Materials, Volume 465, 2024, 133518.
- 121. Xianxian Chu, Yimei Tian, Ruopan An, Menghan Jiang, Weigao Zhao, Hao Guo, Peng Zhao, Interfacial interactions between colloidal polystyrene microplastics and Cu in aqueous solution and saturated porous media: Model fitting and mechanism analysis, Journal of Environmental Management, Volume 370, 2024, 122741.
- 122. Lijuan Wang, Wenlong Pei, Jiacong Li, Yiming Feng, Xingsu Gao, Ping Jiang, Qian Wu, Lei Li, Microplastics induced apoptosis in macrophages by promoting ROS generation and altering metabolic profiles, Ecotoxicology and Environmental Safety, Volume 271, 2024, 115970.
- 123. Xianxian Chu, Jing Liu, Nan He, Jiaxin Li, Tiantian Li, Yimei Tian, Peng Zhao, Cu fate driven by colloidal polystyrene microplastics with pipe scale destabilization in drinking water distribution systems, Water Research, Volume 256, 2024, 121613.
- 124. Haibo Jin, Jie Ding, Hongru Liu, Lei Yang, Dongmei Li, Xiaodong Han, Chronic exposure to polystyrene microplastics induced LHR reduction and decreased testosterone levels through NF-κB pathway, Environmental Pollution, Volume 358, 2024, 124543.
- 125. Hao Wang, Yu Wang, Tongyu Zhang, Yining Ji, Yuanyuan Zhang, Yufei Wang, Xiaohui Li, Filtration of polystyrene nanoplastics with different functional groups by natural mineral materials: Performance and mechanisms, Marine Pollution Bulletin, Volume 200, 2024, 116094.
- 126. Jiayin Wang, Liju Tan, Qi Li, Jiangtao Wang, Toxic effects of nSiO₂ and mPS on diatoms Nitzschia closterium f. minutissima, Marine Environmental Research, Volume 193, 2024, 106298.
- 127. Mingming Han, Tian Zhu, Zihan Zhou, Qin Si, Chenxi Zhu, Yiming Li, Qichen Jiang, Effects of different concentrations and particle sizes of nanoplastics on gut microbiology, metabolism, and immunity in Chiromantes dehaani, Fish & Shellfish Immunology, Volume 147, 2024, 109461.
- 128. Jinglan Cao, Qirong Chen, Qianhong Chen, Ruo Yuan, Yun Xiang, New quasi-Co/Cu-MOF nanozyme coupled with entropy-driven DNA amplification cascades for highly sensitive electrochemical aptamer growth differentiation factor 15 assay, Analytica Chimica Acta, Volume 1315, 2024, 342816.
- 129. Shuhui Zhou, Hongjie Lin, Ziyun Liu, Xiaoyi Lian, Chang-Gui Pan, Zhongdian Dong, Zhong Lin, Chengyong Li, Liping Hou, Yan-Qiu Liang, The impact of co-exposure to polystyrene microplastics and norethindrone on gill histology, antioxidant capacity, reproductive system, and gut microbiota in zebrafish (Danio rerio), Aquatic Toxicology, Volume 273, 2024, 107018.
- 130. Shulin Liu, Muhammad Junaid, Chong Wang, Jun Wang, Eco-corona enhanced the interactive effects of nanoplastics and 6:2 chlorinated polyfluorinated ether sulfonate in zebrafish embryos, Science of The Total Environment, Volume 953, 2024, 176223.
- 131. Fu Cheng Yao, Chun Xiu Jin, Huan Liang, Yu Zhang, Yue Gu, Fei Biao Song, Zhi Zhou, Jun Long

- Sun, Jian Luo, Microplastics weaken the digestion and absorption functions in the golden pompano (Trachinotus blochii) by affecting the intestinal structure, bacteria and metabolites, Chemosphere, Volume 362, 2024, 142415.
- 132. Jianhua Wu, Yuzhi Li, Xin Liu, Bolong Fang, Di Wu, Qiao Wang, Zhiyong Gong, Yongning Wu, Integration of bifunctional silver dendrite membranes with surface-enhanced Raman scattering for sensitive detection of polystyrene microplastics in aquatic environments, Journal of Hazardous Materials, Volume 480, 2024, 136394.
- 133. Ye Li, Hongping Liao, Min Zeng, Dandan Gao, Chunmiao Kong, Wanjing Liu, Yufeng Zheng, Qingzhi Zheng, Jun Wang, Exposure to polystyrene nanoplastics causes immune damage, oxidative stress and intestinal flora disruption in salamander (Andrias davidianus) larvae, Science of The Total Environment, Volume 949, 2024, 175169.
- 134. Wenfeng Yang, Dongyang Liu, Pan Gao, Qirui Wu, Zhuo Li, Shuangxi Li, Liandong Zhu, Oxidative stress and metabolic process responses of Chlorella pyrenoidosa to nanoplastic exposure: Insights from integrated analysis of transcriptomics and metabolomics, Environmental Pollution, Volume 357, 2024, 124466.
- 135. Zhuying Fan, Yukang Zhang, Yuting Fang, Huiyuan Zhong, Tingting Wei, Huraira Akhtar, Jiahuai Zhang, Man Yang, Yanbo Li, Xianqing Zhou, Zhiwei Sun, Ji Wang, Polystyrene nanoplastics induce lipophagy via the AMPK/ULK1 pathway and block lipophagic flux leading to lipid accumulation in hepatocytes, Journal of Hazardous Materials, Volume 476, 2024, 134878.
- 136. Hui Tao, Lingqin Zhou, Duo Yu, Yiyang Chen, Yunxin Luo, Tao Lin, Effects of polystyrene microplastics on the metabolic level of Pseudomonas aeruginosa, Science of The Total Environment, Volume 922, 2024, 171335.
- 137. Mingming Han, Tian Zhu, Zihan Zhou, Yiming Li, Cigang Yu, Ji Liang, Hong Wang, Qin Si, Qichen Jiang, Multi-omics reveals the particle size effect of nanoplastics on the hepatopancreas and intestinal toxicity of crustacean model Neospoda palmata, Science of The Total Environment, Volume 946, 2024, 174267.
- 138. Yuwen Lu, Jiaqian Ying, Shuoshuo Mu, Wei Tan, Guorui Zhu, Sheathless and high-throughput separation of multi-target particles combining inertia and deterministic lateral displacement (DLD) in a microchannel, Separation and Purification Technology, Volume 345, 2024, 127369.
- 139. Bingrui Zhou, Yunliang Wei, Long Chen, Anxiu Zhang, Ting Liang, Jian Hui Low, Zhizhen Liu, Sheng He, Zhongyuan Guo, Jun Xie, Microplastics exposure disrupts nephrogenesis and induces renal toxicity in human iPSC-derived kidney organoids, Environmental Pollution, Volume 360, 2024, 124645.
- 140. Fanmeng Meng, Ziqi Ni, Liju Tan, Peining Cai, Jiangtao Wang, Oxidative stress and energy metabolic response of Isochrysis galbana induced by different types of pristine and aging microplastics and their leachates, Chemosphere, Volume 348, 2024, 140755.
- 141. Qing Fang, Chenyang Wang, Ying Xiong, Polystyrene microplastics induce male reproductive toxicity in mice by activating spermatogonium mitochondrial oxidative stress and apoptosis, Chemico-Biological Interactions, Volume 396, 2024, 111043.
- 142. Yao Hu, Fanghong Nie, Min Zhang, Qinglang Song, Wan Wei, Guangzhou Lv, Yunli Wei, Danju Kang, Zhibao Chen, Hongying Lin, Jinjun Chen, Developmental toxicity and mechanism of polychlorinated biphenyls 126 and nano-polystyrene combined exposure to zebrafish larvae, Ecotoxicology and Environmental Safety, Volume 278, 2024, 116419.

- 143. Hang Wang, Conghui Qiao, Yang Gao, Yiding Geng, Fengru Niu, Ruiming Yang, Zheng Wang, Wenbo Jiang, Hongru Sun, The adverse effects of developmental exposure to polystyrene nanoparticles on cognitive function in weaning rats and the protective role of trihydroxy phenolacetone, Environmental Pollution, Volume 347, 2024, 123632.
- 144. Xinming Luo, Sen Yan, Guanyu Chen, Yuxin Wang, Xi Zhang, Jianming Lan, Jinghua Chen, Xu Yao, A cavity induced mode hybridization plasmonic sensor for portable detection of exosomes, Biosensors and Bioelectronics, Volume 261, 2024, 116492.
- 145. Jiayuan Qu, Liling Wu, Li Mou, Changjiang Liu, Polystyrene microplastics trigger testosterone decline via GPX1, Science of The Total Environment, Volume 947, 2024, 174536.
- 146. Hao Shen, Hongli Tan, Yi Lu, Yifei Gao, Yongjun Xia, Zongwei Cai, The combination of detection and simulation for the distribution and sourcing of microplastics in Shing Mun River estuary, Hong Kong, Science of The Total Environment, Volume 946, 2024, 174305,
- 147. Chenxi Zhu, Hui Zhou, Mengyu Bao, Shengkai Tang, Xiankun Gu, Mingming Han, Peng Li, Qichen Jiang, Polystyrene microplastics induce molecular toxicity in Simocephalus vetulus: A transcriptome and intestinal microorganism analysis, Aquatic Toxicology, Volume 275, 2024, 107046.
- 148. Tiantian Chen, Rahma Sakina Said Aly, Yawei Shen, Shoujie Tang, Yan Zhao, Jinliang Zhao, Xiaowu Chen, The silent threat: Nanopolystyrene and chrysene pollutants disrupt the intestinal mucosal barrier, new insights from juvenile Siniperca chuatsi, Science of The Total Environment, Volume 926, 2024, 172001.
- 149. Junyan Tao, Qinyuan Yang, Liangjiao Long, Lingnian Tian, Tao Tian, Xuehua Shang, Liangju Sun, Xiongqi Zheng, Weiwei Wang, Fengfeng Chen, Kun Hou, Xiong Chen, Combined toxic effects of polystyrene microplastic and benzophenone-4 on the bioaccumulation, feeding, growth, and reproduction of Daphnia magna, Environmental Pollution, Volume 363, Part 1, 2024, 125108.
- 150. Jincheng Pei, Shannan Chen, Li Li, Kailun Wang, Anning Pang, Mengmeng Niu, Xueyun Peng, Nan Li, Hongjuan Wu, Pin Nie, Impact of polystyrene nanoplastics on apoptosis and inflammation in zebrafish larvae: Insights from reactive oxygen species perspective, Science of The Total Environment, Volume 948, 2024, 174737.
- 151. Miaomiao Hou, Xinhua Zou, Liangxia Su, Chunsen Xu, Zhijun Xia, Qin Wang, Xiaojuan Zhao, Yongfeng He, Chunling Wang, Jianwei Wang, Effects of environmentally relevant polystyrene microplastics and cadmium on the development and reproduction of rare minnow (Gobiocypris rarus), Journal of Environmental Chemical Engineering, Volume 12, Issue 2, 2024, 111886.
- 152. Shunli Che, Mengting Huang, Lemei Zhu, Longteng Shen, Yuan Ma, Zhicheng Wan, Xuguang Li, Jun Zhou, Shuquan Ding, Xilei Li, Exposure to nanopolystyrene and phoxim at ambient concentrations causes oxidative stress and inflammation in the intestines of the Chinese mitten crab (Eriocheir sinensis), Ecotoxicology and Environmental Safety, Volume 273, 2024, 116126.
- 153. Hui Yang, Xueli Wu, Wenfei Ge, Shengnan Wang, Yan Xu, He Liu, Jun Liu, Danshi Zhu, Water/oil interfacial behaviors of soy hull polysaccharide revealed by molecular dynamics simulation and particle tracking microrheology, International Journal of Biological Macromolecules, Volume 277, Part 3, 2024, 134378.
- 154. Yunchao Du, Jia Teng, Jianmin Zhao, Jingying Ren, Hengyuan Ma, Tianyu Zhang, Bin Xia, Shan

- Sun, Qing Wang, Effects of ocean acidification and polystyrene microplastics on the oysters Crassostrea gigas: An integrated biomarker and metabolomic approach, Marine Environmental Research, Volume 196, 2024, 106434.
- 155. Linna Mao, Taisong Pan, Lin Lin, Yizhen Ke, Hengjie Su, Yue Li, Wen Huang, Ting Li, Yuan Lin, Simultaneously enhancing sensitivity and operation range of flexible pressure sensor by constructing a magnetic-guided microstructure in laser-induced graphene composite, Chemical Engineering Journal, Volume 481, 2024, 148639.
- 156. Zheng Hao, Shangwei He, Qianhong Wang, Yongming Luo, Chen Tu, Wenbin Wu, Helong Jiang, Nanoplastics enhance the denitrification process and microbial interaction network in wetland soils, Water Research, Volume 259, 2024, 121796.
- 157. Bohai Gao, Yuqing Wang, Chao Long, Lijuan Long, Fangfang Yang, Microplastics inhibit the growth of endosymbiotic Symbiodinium tridacnidorum by altering photosynthesis and bacterial community, Environmental Pollution, Volume 346, 2024, 123603.
- 158. Xin Guan, Dai Jia, Xinyu Liu, Changling Ding, Jinfei Guo, Min Yao, Zhan Zhang, Mengxi Zhou, Jun Sun, Combined influence of the nanoplastics and polycyclic aromatic hydrocarbons exposure on microbial community in seawater environment, Science of The Total Environment, Volume 945, 2024, 173772.
- 159. Qian Zhao, Lulu Zhao, Yuefei Zhang, Wei Chen, Sheng Tang, Design of smart temperature-sensitive terpolymeric hydrogel for multi-applications in liquid chromatography, Journal of Chromatography A, Volume 1722, 2024, 464867.
- 160. Xixi Wei, Xu Xu, Zhuang Liu, Xin Zhao, Lei Zhang, Versatile superhydrophobic magnetic biomass aerogel for oil/water separation and removal of multi-class emerging pollutants, Separation and Purification Technology, Volume 345, 2024, 127371.
- 161. Yuhao Wu, Junke Wang, Tianxin Zhao, Mang Sun, Maozhu Xu, Siyi Che, Zhengxia Pan, Chun Wu, Lianju Shen, Polystyrenenanoplastics lead to ferroptosis in the lungs, Journal of Advanced Research, Volume 56, 2024, Pages 31-41.
- 162. Ning Gao, Lanpeng Yang, Xueqiang Lu, Lin Zhu, Jianfeng Feng, Non-negligible vector effect of micro(nano)plastics on tris(1,3-dichloro-2-propyl) phosphate in zebrafish quantified by toxicokinetic model, Journal of Hazardous Materials, Volume 463, 2024, 132928.
- 163. Jiangfei Chen, Qiuju Liang, Yi Zheng, Yuhang Lei, Xiufeng Gan, He Mei, Chenglian Bai, Haiyan Wang, Jingjuan Ju, Qiaoxiang Dong, Yang Song, Polystyrene nanoplastics induced size-dependent developmental and neurobehavioral toxicities in embryonic and juvenile zebrafish, Aquatic Toxicology, Volume 267, 2024, 106842.
- 164. Muhammad Junaid, Shulin Liu, Qiang Yue, Jun Wang, Exacerbated interfacial impacts of nanoplastics and 6:2 chlorinated polyfluorinated ether sulfonate by natural organic matter in adult zebrafish: Evidence through histopathology, gut microbiota, and transcriptomic analysis, Journal of Hazardous Materials, Volume 476, 2024, 135038.
- 165. Mingzhen Tang, Yicheng Shen, Yanzhen Ge, Jian Gao, Chong Wang, Liqing Wu, Shuchun Si, Laboratory and field evaluation of a low-cost optical particle sizer, Journal of Environmental Sciences, Volume 142, 2024, Pages 215-225.
- 166. Limin Wang, Shuxin Li, Yaotong Hao, Xu Liu, Yaqing Liu, Lirong Zuo, Fadao Tai, Liyun Yin, Larry J. Young, Dongming Li, Exposure to polystyrene microplastics reduces sociality and brain oxytocin levels through the gut-brain axis in mice, Science of The Total Environment, Volume 945, 2024, 174026.

- 167. Mahmoud Babalar, Sumi Siddiqua, Mahmoud A. Sakr, A novel polymer coated magnetic activated biochar-zeolite composite for adsorption of polystyrene microplastics: Synthesis, characterization, adsorption and regeneration performance, Separation and Purification Technology, Volume 331, 2024, 125582.
- 168. Tiantian Chen, Hewei Jiang, Yaoji He, Yawei Shen, Zequn Huang, Yifeng Gu, Qun Wei, Jinliang Zhao, Xiaowu Chen, Nanoplastics and chrysene pollution: Potential new triggers for nonalcoholic fatty liver disease and hepatitis, insights from juvenile Siniperca chuatsi, Science of The Total Environment, Volume 922, 2024, 171125.
- 169. Chunzhao Chen, Chenxi Sun, Bin Wang, Zhiguo Zhang, Gang Yu, Adsorption behavior of triclosan on polystyrene nanoplastics: The roles of particle size, surface functionalization, and environmental factors, Science of The Total Environment, Volume 906, 2024, 167430.
- 170. Shuoshuo Mu, Yuwen Lu, Guorui Zhu, Numerical simulation and coupling mechanism study of acoustic-inertial micromixer, Chemical Engineering Journal, Volume 480, 2024, 147967.
- 171. Yiming Li, Yucong Ye, Na Rihan, Bihong Zhu, Qichen Jiang, Xingguo Liu, Yunlong Zhao, Xuan Che, Polystyrene nanoplastics induce lipid metabolism disorder and alter fatty acid composition in the hepatopancreas of Pacific whiteleg shrimp (Litopenaeus vannamei), Science of The Total Environment, Volume 906, 2024, 167616.
- 172. Shixiu Wang, Lukuo Ma, Liming Chen, Inna M. Sokolova, Wei Huang, Daoji Li, Menghong Hu, Fahim Ullah Khan, Yueyong Shang, Youji Wang, The combined effects of phenanthrene and micro-/nanoplastics mixtures on the cellular stress responses of the thick-shell mussel Mytilus coruscus, Environmental Pollution, Volume 341, 2024, 122999.
- 173. Ji Liu, Yanru Chen, Yize Song, Dongxue Xu, Yuanxue Gu, Jinye Wang, Wenqi Song, Baiqin Sun, Zitan Jiang, Bin Xia, Evidence of size-dependent toxicity of polystyrene nano- and microplastics in sea cucumber Apostichopus japonicus (Selenka, 1867) during the intestinal regeneration, Environmental Pollution, Volume 357, 2024, 124394.
- 174. Yuhan Ma, Dihui Xu, Zicheng Wan, Ziyang Wei, Zining Chen, Yuheng Wang, Xiaodong Han, Yabing Chen, Exposure to different surface-modified polystyrene nanoparticles caused anxiety, depression, and social deficit in mice via damaging mitochondria in neurons, Science of The Total Environment, Volume 919, 2024, 170739.
- 175. Yan-Yang Lu, Lu Lu, Hong-Yun Ren, Weizhen Hua, Nengxing Zheng, Fu-Yi Huang, Jiani Wang, Meiping Tian, Qingyu Huang, The size-dependence and reversibility of polystyrene nanoplastics-induced lipid accumulation in mice: Possible roles of lysosomes, Environment International, Volume 185, 2024, 108532.
- 176. Tiantian Chen, Hewei Jiang, Yaoji He, Yawei Shen, Jiajie Fang, Zequn Huang, Yubang Shen, Xiaowu Chen, Histopathological, physiological, and multi-omics insights into the hepatotoxicity mechanism of nanopolystyrene and/or diclofenac in Mylopharyngodon piceus, Environmental Pollution, Volume 341, 2024, 122894.
- 177. Fanmeng Meng, Ziqi Ni, Liju Tan, Peining Cai, Jiangtao Wang, Oxidative stress and energy metabolic response of Isochrysis galbana induced by different types of pristine and aging microplastics and their leachates, Chemosphere, Volume 348, 2024, 140755.
- 178. Tao Zhang, Yaming Sun, Xiaxing Feng, Jingna Li, Wenjie Zhao, Guoqiang Xiang, Lijun He, Shusheng Zhang, Construction of MOFs@COFs composite material as stationary phase for efficient separation of diverse organic compounds, Analytica Chimica Acta, Volume 1288, 2024, 342160.

- 179. Shunli Che, Mengting Huang, Huiying Ma, Zhicheng Wan, Jianbin Feng, Shuquan Ding, Xilei Li, Toxic effects of nanopolystyrene and cadmium on the intestinal tract of the Chinese mitten crab (Eriocheir sinensis), Ecotoxicology and Environmental Safety, Volume 270, 2024, 115936.
- 180. Liehai Hu, Xiaoyan Feng, Yuzhi Lan, Jingfeng Zhang, Penghui Nie, Hengyi Xu, Co-exposure with cadmium elevates the toxicity of microplastics: Trojan horse effect from the perspective of intestinal barrier, Journal of Hazardous Materials, Volume 466, 2024, 133587.
- 181. Yanli Li, Yingqi Liu, Yanhong Chen, Chenjuan Yao, Shali Yu, Jianhua Qu, Gang Chen, Haiyan Wei, Combined effects of polystyrene nanoplastics and lipopolysaccharide on testosterone biosynthesis and inflammation in mouse testis, Ecotoxicology and Environmental Safety, Volume 273, 2024, 116180.
- 182. Guanghua Xiong, Haiyan Zhang, Yulin Peng, Huangqi Shi, Meiling Han, Tianle Hu, Hongcheng Wang, Shangrong Zhang, Xiaoqing Wu, Gaoxiao Xu, Jun'e Zhang, Yong Liu, Subchronic co-exposure of polystyrene nanoplastics and 3-BHA significantly aggravated the reproductive toxicity of ovaries and uterus in female mice, Environmental Pollution, Volume 351, 2024, 124101.
- 183. Xuewen Jia, Yang Liu, Yan He, Hongyan Yu, Yuting Liu, Yubang Shen, Xiaoyan Xu, Jiale Li, Exposure to microplastics induces lower survival, oxidative stress, disordered microbiota and altered metabolism in the intestines of grass carp (Ctenopharyngodon idella), Aquaculture and Fisheries, Volume 9, Issue 5, 2024, Pages 785-794.
- 184. Shuang Zhang, Ziyi Sun, Tianying Zheng, Caijiao He, Daohui Lin, Nanoplastics increase algal absorption and toxicity of Cd through alterations in cell wall structure and composition, Water Research, Volume 254, 2024, 121394.
- 185. Wanqing Zhao, Tong Ye, Jianwen Zhou, Xuan Zhang, Ke Wang, Hong Zhang, Jiansheng Cui, Shuping Zhang, Lixin Wang, Hydrogen bonding-mediated interaction underlies the enhanced membrane toxicity of chemically transformed polystyrene microplastics by cadmium, Journal of Hazardous Materials, Volume 478, 2024, 135562.
- 186. Xiaoyan Tang, Luying Chen, Yang Ding, Huanping Liu, Muzi Li, Yang Yang, Impact of nanoplastics on the biodegradation, ecotoxicity, and key genes involved in imidacloprid metabolic pathways in papyrus (Cyperus papyrus L.), Chemosphere, Volume 349, 2024, 140910.
- 187. Siwen Zheng, Ben Zhong Tang, Wen-Xiong Wang, Microplastics and nanoplastics induced differential respiratory damages in tilapia fish Oreochromis niloticus, Journal of Hazardous Materials, Volume 465, 2024, 133181.
- 188. Guanghua Xiong, Haiyan Zhang, Huangqi Shi, Yulin Peng, Meiling Han, Tianle Hu, Xinjun Liao, Yong Liu, Jun'e Zhang, Gaoxiao Xu, Enhanced hepatotoxicity in zebrafish due to co-exposure of microplastics and sulfamethoxazole: Insights into ROS-mediated MAPK signaling pathway regulation, Ecotoxicology and Environmental Safety, Volume 278, 2024, 116415.
- 189. Tiantian Chen, Rahma Sakina Said Aly, Yawei Shen, Shoujie Tang, Yan Zhao, Jinliang Zhao, Xiaowu Chen, The silent threat: Nanopolystyrene and chrysene pollutants disrupt the intestinal mucosal barrier, new insights from juvenile Siniperca chuatsi, Science of The Total Environment, Volume 926, 2024, 172001.
- 190. Lina Zhang, Baocheng Wan, Jiangfei Zheng, Liwei Chen, Ye Xuan, Rong Zhang, Zhuo Chen, Cheng Hu, Yi Zhang, Chonghuai Yan, Polystyrene nanoplastics inhibit beige fat function and

- exacerbate metabolic disorder in high-fat diet-fed mice, Science of The Total Environment, Volume 918, 2024, 170700.
- 191. Minfei Jian, Xi Chen, Shuai Liu, Yingxin Liu, Yu Liu, Qiyu Wang, Wenqing Tu, Combined exposure with microplastics increases the toxic effects of PFOS and its alternative F-53B in adult zebrafish, Science of The Total Environment, Volume 920, 2024, 170948.
- 192. Ruiyang Ding, Yueyue Chen, Xuemin Shi, Yang Li, Yang Yu, Zhiwei Sun, Junchao Duan, Size-dependent toxicity of polystyrene microplastics on the gastrointestinal tract: Oxidative stress related-DNA damage and potential carcinogenicity, Science of The Total Environment, Volume 912, 2024, 169514.
- 193. Yunde Dou, Mengge Zhang, Honghui Zhang, Changlong Zhang, Lijuan Feng, Jingmei Hu, Yuan Gao, Xian-Zheng Yuan, Yueran Zhao, Han Zhao, Zi-Jiang Chen, Lactating exposure to microplastics at the dose of infants ingested during artificial feeding induced reproductive toxicity in female mice and their offspring, Science of The Total Environment, Volume 949, 2024, 174972.
- 194. Zhanhang Wang, Shujuan Liu, Zefang Cheng, Ganggang Xu, Fu Li, Qiqi Bu, Lei Zhang, Yuxuan Song, Xiaopeng An, Endoplasmic reticulum stress exacerbates microplastics-induced toxicity in animal cells, Food Research International, Volume 175, 2024, 113818.
- 195. Yuzhi Lan, Liehai Hu, Xiaoyan Feng, Mengqi Wang, Hongbin Yuan, Hengyi Xu, Synergistic effect of PS-MPs and Cd on male reproductive toxicity: Ferroptosis via Keap1-Nrf2 pathway, Journal of Hazardous Materials, Volume 461, 2024, 132584.
- 196. Zhenchen Li, Wenbo Liu, Md. Hasibur Rahaman, Zhongbing Chen, Jixia Yan, Jun Zhai, Polystyrene microplastics accumulation in lab-scale vertical flow constructed wetlands: impacts and fate, Journal of Hazardous Materials, Volume 461, 2024, 132576.
- 197. Shixiu Wang, Yichi Ma, Fahim Ullah Khan, Sam Dupont, Wei Huang, Zhihan Tu, Yueyong Shang, Youji Wang, Menghong Hu, Size-dependent effects of plastic particles on antioxidant and immune responses of the thick-shelled mussel Mytilus coruscus, Science of The Total Environment, Volume 914, 2024, 169961.
- 198. Di Wu, Xing Lu, Li-Xue Dong, Juan Tian, Jin Deng, Lei Wei, Hua Wen, Shan Zhong, Ming Jiang, Nano polystyrene microplastics could accumulate in Nile tilapia (Oreochromis niloticus): Negatively impacts on the intestinal and liver health through water exposure, Journal of Environmental Sciences, Volume 137, 2024, Pages 604-614.
- 199. Yejiao Sun, Xinguo Zhao, Qi Sui, Xuemei Sun, Lin Zhu, Andy M. Booth, Bijuan Chen, Keming Qu, Bin Xia, Polystyrene nanoplastics affected the nutritional quality of Chlamys farreri through disturbing the function of gills and physiological metabolism: Comparison with microplastics, Science of The Total Environment, Volume 910, 2024, 168457.
- 200. Yonghao Sun, Jun Zhang, Zhoujie Jiang, Yi Wang, Peng Duan, Wei Min, Weicheng Zhang, Polystyrene microplastics enhance oxidative dissolution but suppress the aquatic acute toxicity of a commercial cadmium yellow pigment under simulated irradiation, Journal of Hazardous Materials, Volume 463, 2024, 132881.
- 201. Lingyang Jing, Yuxin Zhang, Qingyu Zhang, Hongfeng Zhao, Polystyrene microplastics disrupted physical barriers, microbiota composition and immune responses in the cecum of developmental Japanese quails, Journal of Environmental Sciences, Volume 144, 2024, Pages 225-235.
- 202. Mingge Li, Bingjun Ha, Yuchen Li, Klaas Vrieling, Zhen Fu, Qilin Yu, Sergio Rasmann, Xianqin

Wei, Weibin Ruan, Toxicological impacts of microplastics on virulence, reproduction and physiological process of entomopathogenic nematodes, Ecotoxicology and Environmental Safety, Volume 273, 2024, 116153.

2023(103)

- 203. Daxiu Li, Feng Qiu, Ruo Yuan, Yun Xiang, Multiplexed and amplified electrochemical aptasensor for sensitive assay of piperaquine and mefloquine, Sensors and Actuators B: Chemical, Volume 395, 2023, 134483.
- 204. Yiming Li, Xinglin Du, Wen Li, Qichen Jiang, Yucong Ye, Ying Yang, Xingguo Liu, Yunlong Zhao, Xuan Che, Two genes related to apoptosis in the hepatopancreas of juvenile prawn, Macrobrachium nipponense: Molecular characterization and transcriptional response to nanoplastic exposure, Science of The Total Environment, Volume 877, 2023, 162863.
- 205. Zhenru Li, Lili Liang, Wenfu Lin, Yan Huang, Tiansheng Huang, Wei Wang, Jun Ma, Jie Li, Li-Peng Sun, Bai-Ou Guan, Optofluidic laser sensor for the detection of dopamine, Sensors and Actuators B: Chemical, Volume 390, 2023, 133941.
- 206. Wang Lin, Huimin Luo, Jingyi Wu, Xiangli Liu, Beibei Cao, Yuqing Liu, Pinhong Yang, Jifeng Yang, Polystyrene microplastics enhance the microcystin-LR-induced gonadal damage and reproductive endocrine disruption in zebrafish, Science of The Total Environment, Volume 876, 2023, 162664.
- 207. Xiaoke Wang, Zixuan Zhao, Xin Wang, Wenxuan Hu, Chao luo, Xiuyu Chu, Muzhou Qian, Rui Wang, Shali Yu, Qiyun Wu, Juan Tang, Xinyuan Zhao, Effects of polystyrene nanoplastic gestational exposure on mice, Chemosphere, Volume 324, 2023, 138255.
- 208. Xiuxiu Wang, Zhenzhen Jia, Xiuran Zhou, Lei Su, Minglu Wang, Tian Wang, Hongyan Zhang, Nanoplastic-induced vascular endothelial injury and coagulation dysfunction in mice, Science of The Total Environment, Volume 865, 2023, 161271.
- 209. Yue Zhou, Qian Wu, Yan Li, Yan Feng, Yan Wang, Wei Cheng, Low-dose of polystyrene microplastics induce cardiotoxicity in mice and human-originated cardiac organoids, Environment International, Volume 179, 2023, 108171.
- 210. Wang Lv, Yihan Shen, Shimin Xu, Bing Wu, Zongyao Zhang, Su Liu, Underestimated health risks: Dietary restriction magnify the intestinal barrier dysfunction and liver injury in mice induced by polystyrene microplastics, Science of The Total Environment, Volume 898, 2023, 165502,
- 211. Yu Xing, Jing Li, Jingjing Yang, Junyi Li, Weiyi Pang, Francis L. Martin, Li Xu, Application of spectrochemical analysis with chemometrics to profile biochemical alterations in nanoplastic-exposed HepG2 cells, Environmental Pollution, Volume 336, 2023, 122309.
- 212. Wenbo Jiang, Cong Hu, Yunyan Chen, Yue Li, Xinyi Sun, Huanyu Wu, Ruiming Yang, Yiwei Tang, Fengru Niu, Wei Wei, Changhao Sun, Tianshu Han, Dysregulation of the microbiota-brain axis during long-term exposure to polystyrene nanoplastics in rats and the protective role of dihydrocaffeic acid, Science of The Total Environment, Volume 874, 2023, 162101.
- 213. Xinyu Lin, Yuanning Wang, Xianhai Yang, Peter Watson, Feifei Yang, Huihui Liu, Endocrine disrupting effect and reproductive toxicity of the separate exposure and co-exposure of nano-polystyrene and diethylstilbestrol to zebrafish, Science of The Total Environment, Volume 865, 2023, 161100.

- 214. Shiqun Chen, Yue Chen, Yifei Gao, Bin Han, Tao Wang, Huajiang Dong, Liqun Chen, Toxic effects and mechanisms of nanoplastics on embryonic brain development using brain organoids model, Science of The Total Environment, Volume 904, 2023, 166913.
- 215. Ping Zhou, Jiang He, Yue-Ming Zha, Gang-Ping Zhang, Guang-Yun Jiang, Yao-Xiong Huang, Al aided microfluidic auto continuous separation and sorting of microspheres simultaneously based on their morphological and optical properties, Chemical Engineering Science, Volume 282, 2023, 119319.
- 216. Jing Lan, Yaoyao Wang, Haimei Li, Rui Guan, Zongshan Zhao, Yan Bao, Xianfa Du, Henner Hollert, Xingchen Zhao, Binding divergence of polystyrene nanoparticles with serum albumin caused by surface functionalization, Science of The Total Environment, Volume 903, 2023, 166578.
- 217. Jiawei Wu, Liyun Xing, Yaxian Zheng, Yinglan Yu, Ruinan Wu, Xi Liu, Lian Li, Yuan Huang, Disease-specific protein corona formed in pathological intestine enhances the oral absorption of nanoparticles, Acta Pharmaceutica Sinica B, Volume 13, Issue 9, 2023, Pages 3876-3891.
- 218. Zihang Wang, Yixiang Wang, Shanshan Qin, Zhou Yang, Yunfei Sun, Polystyrene microplastics weaken the predator-induced defenses of Daphnia magna: Evidences from the changes in morphology and behavior, Environmental Pollution, Volume 316, Part 2, 2023, 120657.
- 219. Kaiyuan Jia, Renhang Xiao, Qijie Lin, Hongchao Gou, Junhao Peng, Yucen Liang, Haiyan Shen, Mingrui Cai, Ming Liao, Jianmin Zhang, Yuxing Han, RNase H2 triggered visual loop-mediated isothermal amplification combining smartphone assisted all-in-one aptamer magnetic enrichment device for ultrasensitive culture-independent detection of Salmonella Typhimurium in chicken meat, Sensors and Actuators B: Chemical, Volume 380, 2023, 133399.
- 220. Yanke Shan, Yufan Feng, Jiahao Li, Weijie Yi, Meng Ge, Huachuan Huang, Keding Yan, Shouyu Wang, Fei Liu, Rapid on-site PEDV detection using homogeneous fluorescence resonance energy transfer-based ELISA, Sensors and Actuators B: Chemical, Volume 378, 2023, 133138.
- 221. Jiangfei Chen, Yuhang Lei, Jing Wen, Yi Zheng, Xiufeng Gan, Qiuju Liang, Changjiang Huang, Yang Song, The neurodevelopmental toxicity induced by combined exposure of nanoplastics and penicillin in embryonic zebrafish: The role of aging processes, Environmental Pollution, Volume 335, 2023, 122281.
- 222. Jinting Liu, Guofang Xu, Siyan Zhao, Chen Chen, Matthew J. Rogers, Jianzhong He, Mechanistic and microbial ecological insights into the impacts of micro- and nano- plastics on microbial reductive dehalogenation of organohalide pollutants, Journal of Hazardous Materials, Volume 448, 2023, 130895.
- 223. Xin Hu, Liu-Jiang Meng, Han-Dan Liu, Yan-Shuo Guo, Wen-Chang Liu, Hong-Xin Tan, Guo-Zhi Luo, Impacts of Nile Tilapia (Oreochromis niloticus) exposed to microplastics in bioflocs system, Science of The Total Environment, Volume 901, 2023, 165921.
- 224. Sicheng Xiong, Xuesong Cao, Ian Eggleston, Yuantong Chi, Aoze Li, Xia Liu, Jian Zhao, Baoshan Xing, Role of extracellular polymeric substances in the aggregation and biological response of micro(nano)plastics with different functional groups and sizes, Journal of Hazardous Materials, Volume 446, 2023, 130713.
- 225. Xian Zhang, Cheng-Ye Zhu, Wangbei Cao, Zhao-Yu Ma, Hao-Nan Li, Hong-Qing Liang, Chuan-Jie Fang, Xiao-Jun Huang, Zhi-Kang Xu, Tailoring pore structures in

- poly(propylene-co-1-butene) membranes: Unlocking versatility for advanced applications, Chemical Engineering Journal, Volume 476, 2023, 146699.
- 226. Yunchao Du, Jianmin Zhao, Jia Teng, Jingying Ren, Encui Shan, Xiaopeng Zhu, Wenjing Zhang, Lei Wang, Chaowei Hou, Qing Wang, Combined effects of salinity and polystyrene microplastics exposure on the Pacific oysters Crassostrea gigas: Oxidative stress and energy metabolism, Marine Pollution Bulletin, Volume 193, 2023, 115153.
- 227. Jiaqi Zhao, Lingzhan Miao, Yu Yao, Tanveer M. Adyel, Haomiao Cheng, Songqi Liu, Yang Liu, Jun Hou, Surface modification significantly changed the effects of nano-polystyrene on sediment microbial communities and nitrogen metabolism, Journal of Hazardous Materials, Volume 460, 2023, 132409.
- 228. Yinfeng Zhou, Lang Gui, Wenbo Wei, Elvis Genbo Xu, Wenzhong Zhou, Inna M. Sokolova, Mingyou Li, Youji Wang, Low particle concentrations of nanoplastics impair the gut health of medaka, Aquatic Toxicology, Volume 256, 2023, 106422.
- 229. Chun Pan, Yin Wu, Sihan Hu, Ke Li, Xiangyu Liu, Yu Shi, Wenzheng Lin, Xinglong Wang, Yujie Shi, Zhuobin Xu, Huihui Wang, Hao Chen, Polystyrene microplastics arrest skeletal growth in puberty through accelerating osteoblast senescence, Environmental Pollution, Volume 322, 2023, 121217.
- 230. Mingming Han, Chenxi Zhu, Shengkai Tang, Ji Liang, Daming Li, YanXia Guo, Zakaria Zuraini, Qin Si, Qichen Jiang, The effects of a polystyrene nanoplastic on the immune response and gut microbiota of Eriocheir sinensis and its post-recovery state, Aquatic Toxicology, Volume 262, 2023, 106644.
- 231. Dilnur Dilxat, Ting Liang, Yun Wang, Nuzahat Habibul, Insights into the interaction mechanism of ofloxacin and functionalized nano-polystyrene, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 284, 2023, 121792.
- 232. Yuanxue Gu, Dongxue Xu, Ji Liu, Yanru Chen, Jinye Wang, Yize Song, Baiqin Sun, Bin Xia, Bioaccumulation of functionalized polystyrene nanoplastics in sea cucumber Apostichopus japonicus (Selenka, 1867) and their toxic effects on oxidative stress, energy metabolism and mitochondrial pathway, Environmental Pollution, Volume 319, 2023, 121015.
- 233. Qiang-Qiang Shi, Xiao-Qian Zhang, Ze-Ming Zhang, Ning-Bo Wang, Hua Liu, Rong-Rong Zhang, Ai-Li Sun, Jiong Chen, Xi-Zhi Shi, Transcriptome sequencing and metabolite analysis reveal the single and combined effects of microplastics and di-(2-ethylhexyl) phthalate on Peneaus vannamei, Science of The Total Environment, Volume 867, 2023, 161549.
- 234. Long Zhu, Yanyan Yu, Jingying Zhu, Rui Zuo, Qiujin Xu, Lihui An, Yanhua Qian, Quality assurance and quality control throughout microplastic analysis, Science of The Total Environment, Volume 887, 2023, 163775.
- 235. Yao Li, Xinghui Xia, Jie Zhang, Xiaohan Lin, Yidi Zhang, Haotian Wang, Yang Li, Qing Zhang, Shangwei Zhang, Bioavailability of micro/nanoplastics and their associated polycyclic aromatic hydrocarbons to Daphnia Magna: Role of ingestion and egestion of plastics, Science of The Total Environment, Volume 890, 2023, 164171.
- 236. Yujie Lu, Man Zhang, Jin Zhang, Min Jiang, Gang Bai, Psoralen prevents the inactivation of estradiol and treats osteoporosis via covalently targeting HSD17B2, Journal of Ethnopharmacology, Volume 311, 2023, 116426.
- 237. Hua Zha, Jiawen Lv, Yiqing Lou, Wanlong Wo, Jiafeng Xia, Shengjie Li, Aoxiang Zhuge, Ruiqi Tang, Nian Si, Zhihao Hu, Haifeng Lu, Kevin Chang, Chenyu Wang, Guinian Si, Lanjuan Li,

- Alterations of gut and oral microbiota in the individuals consuming take-away food in disposable plastic containers, Journal of Hazardous Materials, Volume 441, 2023, 129903.
- 238. Li Lv, Xiangcheng Wu, Junchao Xu, Jun Zhang, Lijuan Qian, Effects of particle's surface properties and aggregation modes on water vapor competition in heterogeneous nucleation of water vapor on the particles, Process Safety and Environmental Protection, Volume 176, 2023, Pages 968-976.
- 239. Yu Yao, Jiaqi Zhao, Tanveer M. Adyel, Yang Liu, Jianchao Liu, Lingzhan Miao, Sediment bacterial and fungal communities exhibit distinct responses to microplastic types and sizes in Taihu lake, Environmental Pollution, Volume 320, 2023, 121092.
- 240. Jun-Nan Huang, Bin Wen, Xin-Xin Li, Lei Xu, Jian-Zhong Gao, Zai-Zhong Chen, Astaxanthin mitigates oxidative stress caused by microplastics at the expense of reduced skin pigmentation in discus fish, Science of The Total Environment, Volume 874, 2023, 162494.
- 241. Jing Yu, Ling Chen, Bing Wu, Size-specific effects of microplastics and lead on zebrafish, Chemosphere, Volume 337, 2023, 139383.
- 242. Tengda Ding, Xiaotong Huang, Liyan Wei, Juying Li, Size-dependent effect of microplastics on toxicity and fate of diclofenac in two algae, Journal of Hazardous Materials, Volume 451, 2023, 131071.
- 243. Oluwadamilola Pikuda, Eva Roubeau Dumont, Qiqing Chen, Jun-Ray Macairan, Stacey A. Robinson, Dimitrios Berk, Nathalie Tufenkji, Toxicity of microplastics and nanoplastics to Daphnia magna: Current status, knowledge gaps and future directions, TrAC Trends in Analytical Chemistry, Volume 167, 2023, 117208.
- 244. Lixuan Zhang, Xindi Li, Lei Chen, Fabrication of mixed-mode amphoteric β-cyclodextrin polymer for the simultaneous extraction of acidic and alkaline drugs, Journal of Chromatography B, Volume 1228, 2023, 123833,
- 245. Yinfeng Zhou, Qian Jin, Haijing Xu, Youji Wang, Mingyou Li, Chronic nanoplastic exposure induced oxidative and immune stress in medaka gonad, Science of The Total Environment, Volume 869, 2023, 161838.
- 246. Siwen Li, Lemei Liu, Gang Luo, Yu Yuan, Die Hu, Fang Xiao, The crosstalk between M1 macrophage polarization and energy metabolism disorder contributes to polystyrene nanoplastics-triggered testicular inflammation, Food and Chemical Toxicology, Volume 180, 2023, 114002,
- 247. Shiqiang Cheng, Jiajie Hu, Chen Guo, Zhicheng Ye, Yazhuo Shang, Cheng Lian, Honglai Liu, The effects of size and surface functionalization of polystyrene nanoplastics on stratum corneum model membranes: An experimental and computational study, Journal of Colloid and Interface Science, Volume 638, 2023, Pages 778-787.
- 248. Peng Duan, Jiaolong Huang, YongHao Sun, Liting Yang, Wei Min, Weicheng Zhang, Polystyrene microplastics accelerate CuS dissolution and block Cu transfer in the Daphnia magna–zebrafish (Danio rerio) food chain under sunlight irradiation, Chemical Engineering Journal, Volume 473, 2023, 145328.
- 249. Yufei Chen, Xia Wang, Qi Sui, Guozhu Chang, Xuemei Sun, Lin Zhu, Bijuan Chen, Keming Qu, Bin Xia, Charge-dependent negative effects of polystyrene nanoplastics on Oryzias melastigma under ocean acidification conditions, Science of The Total Environment, Volume 865, 2023, 161248.
- 250. Min Sun, Xian-Zhang Wang, Ren-Ying Xiong, Xiangying Chen, Lin-Feng Zhai, Shaobin Wang,

- High-performance biochar-loaded MgAl-layered double oxide adsorbents derived from sewage sludge towards nanoplastics removal: Mechanism elucidation and QSAR modeling, Science of The Total Environment, Volume 901, 2023, 165971.
- 251. Canhua Yang, Liyun Yin, Yibai Guo, Tongyu Han, Yujie Wang, Guocheng Liu, Farhana Maqbool, Lina Xu, Jian Zhao, Insight into the absorption and migration of polystyrene nanoplastics in Eichhornia crassipes and related photosynthetic responses, Science of The Total Environment, Volume 892, 2023, 164518.
- 252. Likun Gao, Xi Xiong, Chen Chen, Pengcheng Luo, Jing Li, Xiang Gao, Lizhi Huang, Lili Li, The male reproductive toxicity after nanoplastics and microplastics exposure: Sperm quality and changes of different cells in testis, Ecotoxicology and Environmental Safety, Volume 267, 2023, 115618.
- 253. Weiwei Lv, Haotian Gu, Defu He, Zhiquan Liu, Chunxia Yao, Weiwei Huang, Quan Yuan, Wenzong Zhou, Polystyrene nanospheres-induced hepatotoxicity in swamp eel (Monopterus albus): From biochemical, pathological and transcriptomic perspectives, Science of The Total Environment, Volume 893, 2023, 164844.
- 254. Ruiqi Yan, Sen Lin, Weinan Jiang, Xia Yu, Lei Zhang, Wentao Zhao, Qian Sui, Effect of aggregation behavior on microplastic removal by magnetic Fe3O4 nanoparticles, Science of The Total Environment, Volume 898, 2023, 165431.
- 255. Mengjie Chang, Mingyang Li, Wencheng Xu, Xin Li, Jian Liu, Robby Stoks, Chao Zhang, Microplastics increases the heat tolerance of Daphnia magna under global warming via hormetic effects, Ecotoxicology and Environmental Safety, Volume 249, 2023, 114416.
- 256. Yu Wang, Leilei Xiang, Fang Wang, Marc Redmile-Gordon, Yongrong Bian, Ziquan Wang, Chenggang Gu, Xin Jiang, Andreas Schäffer, Baoshan Xing, Transcriptomic and metabolomic changes in lettuce triggered by microplastics-stress, Environmental Pollution, Volume 320, 2023, 121081.
- 257. Dihui Xu, Yuhan Ma, Chunyan Peng, Yibin Gan, Yuheng Wang, Zining Chen, Xiaodong Han, Yabing Chen, Differently surface-labeled polystyrene nanoplastics at an environmentally relevant concentration induced Crohn's ileitis-like features via triggering intestinal epithelial cell necroptosis, Environment International, Volume 176, 2023, 107968.
- 258. Juan Huang, Rui Li, Yixuan Ma, Chong Cao, Xuan Li, Tingwei Han, Meifang Cao, Effects of macrophytes on micro And nanoplastic retention and cycling in constructed wetlands, Environmental Pollution, Volume 326, 2023, 121259.
- 259. Ming-hui Jin, Jun-nan Hu, Ming Zhang, Zhaojie Meng, Guo-ping Shi, Zi Wang, Wei Li, Maltol attenuates polystyrene nanoplastic-induced enterotoxicity by promoting AMPK/mTOR/TFEB-mediated autophagy and modulating gut microbiota, Environmental Pollution, Volume 322, 2023, 121202.
- 260. Xiaohui Li, Yuanyuan Zhang, Hongxia Xu, Yuanyuan Sun, Bin Gao, Jichun Wu, Granular limestone amended sand filters for enhanced removal of nanoplastics from water: Performance and mechanisms, Water Research, Volume 229, 2023, 119443.
- 261. Shan Sun, Xiangang Hu, Weilu Kang, Mingqi Yao, Combined effects of microplastics and warming enhance algal carbon and nitrogen storage, Water Research, Volume 233, 2023, 119815.
- 262. Bei Gao, Xiaochun Shi, Shanshan Li, Weichen Xu, Nan Gao, Jinjun Shan, Weishou Shen, Size-dependent effects of polystyrene microplastics on gut metagenome and antibiotic

- resistance in C57BL/6 mice, Ecotoxicology and Environmental Safety, Volume 254, 2023, 114737.
- 263. Fu Cheng Yao, Yue Gu, Tian Jiang, Peng Fei Wang, Fei Biao Song, Zhi Zhou, Jun Long Sun, Jian Luo, The involvement of oxidative stress mediated endoplasmic reticulum pathway in apoptosis of Golden Pompano (Trachinotus blochii) liver under PS-MPs stress, Ecotoxicology and Environmental Safety, Volume 249, 2023, 114440.
- 264. Junyuan Zheng, Zhenlin Tan, Jianyu Wu, Jian Liu, Tao Yang, Hui Yang, Polystyrene microplastics aggravate acute pancreatitis in mice, Toxicology, Volume 491, 2023, 153513.
- 265. Jianlong Ge, Bin Li, Meijie Liao, Zheng Zhang, Siqing Chen, Bin Xia, Yingeng Wang, Ingestion, egestion and physiological effects of polystyrene microplastics on the marine jellyfish Rhopilema esculentum, Marine Pollution Bulletin, Volume 187, 2023, 114609.
- 266. Siyue Wen, Yanbiao Chen, Yizhou Tang, Yu Zhao, Shanji Liu, Tao You, Hengyi Xu, Male reproductive toxicity of polystyrene microplastics: Study on the endoplasmic reticulum stress signaling pathway, Food and Chemical Toxicology, Volume 172, 2023, 113577.
- 267. Dongjie Wang, Yongyong Feng, Jiayang He, Qiujie Wang, Zhiheng Zuo, Guocheng Hu, Jixing Zou, The presence of microplastics (MPs) reduces the toxicity of cadmium (Cd) to Cirrhinus mrigala larva, Journal of Environmental Chemical Engineering, Volume 11, Issue 2, 2023, 109483.
- 268. Yingxu Zeng, Baichuan Deng, Zixin Kang, Pedro Araujo, Svein Are Mjøs, Ruina Liu, Jianhui Lin, Tao Yang, Yuangao Qu, Tissue accumulation of polystyrene microplastics causes oxidative stress, hepatopancreatic injury and metabolome alterations in Litopenaeus vannamei, Ecotoxicology and Environmental Safety, Volume 256, 2023, 114871.
- 269. Tianxin Zhao, Lianju Shen, Xin Ye, Gaochen Bai, Chen Liao, Zhicong Chen, Tianwen Peng, Xiaomin Li, Xiangjin Kang, Geng An, Prenatal and postnatal exposure to polystyrene microplastics induces testis developmental disorder and affects male fertility in mice, Journal of Hazardous Materials, Volume 445, 2023, 130544.
- 270. Siwen Zheng, Wen-Xiong Wang, Disturbing ion regulation and excretion in medaka (Oryzias melastigma) gills by microplastics: Insights from the gut-gill axis, Science of The Total Environment, Volume 857, Part 2, 2023, 159353.
- 271. Ting Zhao, Liju Tan, Xiaotian Han, Xiaofeng Ma, Kun Lin, Jiangtao Wang, Energy metabolism response induced by microplastic for marine dinoflagellate Karenia mikimotoi, Science of The Total Environment, Volume 866, 2023, 161267.
- 272. Xuelian Feng, Yigang Guo, Na Zhao, Qian Dong, Zhangzhi Li, Bioinspired medical indwelling catheters with hierarchically structured coatings exhibiting specific wettability and antibacterial property, Colloids and Surfaces B: Biointerfaces, Volume 227, 2023, 113388.
- 273. Yiming Li, Yucong Ye, Na Rihan, Qichen Jiang, Xingguo Liu, Yunlong Zhao, Xuan Che, Polystyrene nanoplastics decrease nutrient accumulation, disturb sex hormones, and inhibit reproductive development in juvenile Macrobrachium nipponense, Science of The Total Environment, Volume 891, 2023, 164481.
- 274. Lixin Wang, Jiamin Chen, Xuan Zhang, Man Xu, Xuyan Zhang, Wanqing Zhao, Jiansheng Cui, Effects of microplastics and tetracycline on intestinal injury in mice, Chemosphere, Volume 337, 2023, 139364.
- 275. Xueyu Zhang, Mingyan Liu, Minghui Yang, Wangqing Cheng, Juan Xiang, Wu Zhu, Xiang Chen, Functional lightweight polystyrene@polydopamine nanoparticle for high-performance ELISA,

- Talanta, Volume 252, 2023, 123871.
- 276. Zhu Peng, Jiaxin Li, Weigao Zhao, Yimei Tian, Stability of arsenic(Π , V) in galvanized steel pipe scales coexisting with colloidal polystyrene microplastics under drinking water conditions, Chemosphere, Volume 330, 2023, 138762.
- 277. Dandan Gao, Chunmiao Kong, Hongping Liao, Muhammad Junaid, Ting Pan, Xikun Chen, Qiuping Wang, Xu Wang, Jun Wang, Interactive effects of polystyrene nanoplastics and 6:2 chlorinated polyfluorinated ether sulfonates on the histomorphology, oxidative stress and gut microbiota in Hainan Medaka (Oryzias curvinotus), Science of The Total Environment, Volume 880, 2023, 163307.
- 278. Weilu Kang, Shan Sun, Xiangang Hu, Microplastics trigger the Matthew effect on nitrogen assimilation in marine diatoms at an environmentally relevant concentration, Water Research, Volume 233, 2023, 119762.
- 279. Xiuxiu Wang, Juan Zhao, Shengli Ding, Hongyan Zhang, Interaction of polystyrene nanoplastics with human fibrinogen, International Journal of Biological Macromolecules, Volume 238, 2023, 124049.
- 280. Chenxi Zhu, Wenzong Zhou, Mingming Han, Ying Yang, Yiming Li, Qichen Jiang, Weiwei Lv, Dietary polystyrene nanoplastics exposure alters hepatic glycolipid metabolism, triggering inflammatory responses and apoptosis in Monopterus albus, Science of The Total Environment, Volume 891, 2023, 164460.
- 281. Jun Zhang, Jiating Wei, Tian Hu, Li Du, Zhaojin Chen, Yao Zhang, Weicheng Zhang, Polystyrene microplastics reduce Cr(VI) and decrease its aquatic toxicity under simulated sunlight, Journal of Hazardous Materials, Volume 445, 2023, 130483.
- 282. Ji Liang, Anisah Lee Binti Abdullah, Hong Wang, Guoxing Liu, Mingming Han, Change in energy-consuming strategy, nucleolar metabolism and physical defense in Macrobrachium rosenbergii after acute and chronic polystyrene nanoparticles exposure, Aquatic Toxicology, Volume 263, 2023, 106711.
- 283. Hongru Liu, Haibo Jin, Chun Pan, Yabing Chen, Dongmei Li, Jie Ding, Xiaodong Han, Co-exposure to polystyrene microplastics and microcystin-LR aggravated male reproductive toxicity in mice, Food and Chemical Toxicology, Volume 181, 2023, 114104.
- 284. Wei Wei, Qiufeng Yang, Dan Xiang, Xiaoyun Chen, Zhengrong Wen, Xiaofu Wang, Xiaoli Xu, Cheng Peng, Lei Yang, Mingzhong Luo, Junfeng Xu, Combined impacts of microplastics and cadmium on the liver function, immune response, and intestinal microbiota of crucian carp (Carassius carassius), Ecotoxicology and Environmental Safety, Volume 261, 2023, 115104.
- 285. Hongyan Shen, Mingru Yang, Kangnian Yin, Jing Wang, Liang Tang, Bo Lei, Lei Yang, Aibin Kang, Haoyu Sun, Size- and surface charge-dependent hormetic effects of microplastics on bacterial resistance and their interactive effects with quinolone antibiotic, Science of The Total Environment, Volume 903, 2023, 166580.
- 286. Tan Ma, Xing Liu, Tianqing Xiong, Hongliang Li, Yue Zhou, Jingyan Liang, Polystyrene nanoplastics aggravated dibutyl phthalate-induced blood-testis barrier dysfunction via suppressing autophagy in male mice, Ecotoxicology and Environmental Safety, Volume 264, 2023, 115403.
- 287. Yong Yu, Ji-Cheng Li, Hai Lin, Kai Li, Fu-ting Yi, Study on ethanol driven by alternating current electroosmosis in microchannels, Sensors and Actuators A: Physical, Volume 351, 2023, 114174.

- 288. Yaotong Hao, Yanfeng Sun, Mo Li, Xuedan Fang, Zhikui Wang, Jiulong Zuo, Cuiyun Zhang, Adverse effects of polystyrene microplastics in the freshwater commercial fish, grass carp (Ctenopharyngodon idella): Emphasis on physiological response and intestinal microbiome, Science of The Total Environment, Volume 856, Part 2, 2023, 159270.
- 289. Qian Wang, Xiaogang Zeng, Weihua Zhao, Hongbo Li, Suqin Wang, Zhanghui Lu, Ruqin Yu, Elegant biosensor based on magnetic beads and target-directed enzyme-free dual-amplification for the detection of miRNA-let-7a, Sensors and Actuators B: Chemical, Volume 390, 2023, 133980.
- 290. Xuewen Wu, Shaolun Cui, Minfei Fei, Sheng Liu, Xueping Gao, Guoran Li, Inverse-opal structured TiO2 regulating electrodeposition behavior to enable stable lithium metal electrodes, Green Energy & Environment, Volume 8, Issue 6, 2023, Pages 1664-1672.
- 291. Yanjun Deng, Chunying Zhu, Taotao Fu, Youguang Ma, Coalescence dynamics of nanofluid droplets in T-junction microchannel, Chemical Engineering Science, Volume 265, 2023, 118243.
- 292. Hong-Jie Zhang, Hao-Ran Zhou, Wei Pan, Chuan Wang, Yue-Yue Liu, Liuyan Yang, Martin Tsz-Ki Tsui, Ai-Jun Miao, Accumulation of nanoplastics in human cells as visualized and quantified by hyperspectral imaging with enhanced dark-field microscopy, Environment International, Volume 179, 2023, 108134.
- 293. Tiantian Chen, Hewei Jiang, Yawei Shen, Tingwen Cui, Zonglin Yang, Yufei Liu, Jinliang Zhao, Xiaowu Chen, Impacts of exposure to nanopolystyrene and/or chrysene at ambient concentrations on neurotoxicity in Siniperca chuatsi, Chemosphere, Volume 340, 2023, 139830.
- 294. Yunxia Li, Miaomiao Teng, Lihui Zhao, Jiaqi Sun, Jin Yan, Wentao Zhu, Fengchang Wu, Vitamin D modulates disordered lipid metabolism in zebrafish (Danio rerio) liver caused by exposure to polystyrene nanoplastics, Environment International, Volume 182, 2023, 108328,
- 295. Xi Xiong, Likun Gao, Chen Chen, Kai Zhu, Pengcheng Luo, Lili Li, The microplastics exposure induce the kidney injury in mice revealed by RNA-seq, Ecotoxicology and Environmental Safety, Volume 256, 2023, 114821.
- 296. Chenxi Zhu, Guoxing Liu, Anisah Lee Binti Abdullah, Mingming Han, Qichen Jiang, Yiming Li, Transcriptomic analysis following polystyrene nanoplastic stress in the Pacific white shrimp, Litopenaeus vannamei, Fish & Shellfish Immunology, Volume 143, 2023, 109207.
- 297. Jianlong Yan, Yanbin Pan, Junbo He, Xinli Pang, Wenming Shao, Caiping Wang, Rongning Wang, Yaqiong He, Min Zhang, Juheng Ye, Chaolan Lin, Feng Lin, Yongshun Wang, Tangzhiming Li, Yu Lan, Yanbin Guo, Minxian Wang, Mengting Sun, Yun Gong, Mingpei Yuan, Da Yin, Xin Sun, Shaohong Dong, Toxic vascular effects of polystyrene microplastic exposure, Science of The Total Environment, Volume 905, 2023, 167215.
- 298. Liu-Jiang Meng, Xin Hu, Bin Wen, Yuan-Hao Liu, Guo-Zhi Luo, Jian-Zhong Gao, Zai-Zhong Chen, Microplastics inhibit biofloc formation and alter microbial community composition and nitrogen transformation function in aquaculture, Science of The Total Environment, Volume 866, 2023, 161362.
- 299. Pengju Wang, Yazhou Sun, Dekai Li, Ziyang Ma, Bohan Zhang, Liwei Diao, Haitao Liu, Extrusion-based 3D co-printing: Printing material design and novel workflow for fabricating patterned heterogeneous tissue structures, Materials & Design, Volume 227, 2023, 111737.
- 300. Zongshan Zhao, Jiaqiang Yao, Haimei Li, Jing Lan, Henner Hollert, Xingchen Zhao, Interaction

- of polystyrene nanoplastics and hemoglobin is determined by both particle curvature and available surface area, Science of The Total Environment, Volume 899, 2023, 165617.
- 301. Ziqi Ni, Liju Tan, Jiayin Wang, Yanshan Chen, Na Zhang, Fanmeng Meng, Jiangtao Wang, Toxic effects of pristine and aged polystyrene and their leachate on marine microalgae Skeletonema costatum, Science of The Total Environment, Volume 857, Part 3, 2023, 159614.
- 302. Zhen Lu, Sihan Wu, Zeyu Xiao, Jun Song, Huifeng Wu, Xiao Peng, Responses of microRNA in digestive glands of mussel Mytilus galloprovincialis exposed to polystyrene nanoplastics, Ecotoxicology and Environmental Safety, Volume 249, 2023, 114412.
- 303. Chloé Liebgott, Iseline Chaib, Périne Doyen, Hervé Robert, Hélène Eutamene, Guillaume Duflos, Stéphanie Reynaud, Bruno Grassl, Muriel Mercier-Bonin, Fate and impact of nanoplastics in the human digestive environment after oral exposure: A common challenge for toxicology and chemistry, TrAC Trends in Analytical Chemistry, Volume 166, 2023, 117175.
- 304. Jiahui Chen, Genghua Chen, Haoqi Peng, Lin Qi, Danlu Zhang, Qinghua Nie, Xiquan Zhang, Wen Luo, Microplastic exposure induces muscle growth but reduces meat quality and muscle physiological function in chickens, Science of The Total Environment, Volume 882, 2023, 163305.
- 305. Wei Cheng, Yue Zhou, Yichun Xie, Yan Li, Ren Zhou, Hui Wang, Yan Feng, Yan Wang, Combined effect of polystyrene microplastics and bisphenol A on the human embryonic stem cells-derived liver organoids: The hepatotoxicity and lipid accumulation, Science of The Total Environment, Volume 854, 2023, 158585.

2022(102)

- 306. Ting Zhao, Liju Tan, Xiaotian Han, Xutao Wang, Yafeng Zhang, Xiaofeng Ma, Kun Lin, Rui Wang, Ziqi Ni, Jiayin Wang, Jiangtao Wang, Microplastic-induced apoptosis and metabolism responses in marine Dinoflagellate, Karenia mikimotoi, Science of The Total Environment, Volume 804, 2022, 150252.
- 307. Yixuan Ma, Juan Huang, Tingwei Han, Rui Li, Meifang Cao, Xinwei Li, A comprehensive study on the exposure of nanoplastics to constructed wetland ecological systems: Macrophyte physiology and microbial enzymology, community composition and metabolic functions, Chemical Engineering Journal, Volume 434, 2022, 134592.
- 308. Massimo Giuseppe De Cesaris, Giovanni D'Orazio, Chiara Fanali, Alessandra Gentili, Nino Takaishvili, Bezhan Chankvetadze, Salvatore Fanali, Enantioseparation of selected chiral agrochemicals by using nano-liquid chromatography and capillary electrochromatography with amylose tris(3-chloro-5-methylphenylcarbamate) covalently immobilized onto silica, Journal of Chromatography A, Volume 1673, 2022, 463128.
- 309. Benxiang Luo, Jinman Li, Meng Wang, Xiaoxu Zhang, Ying Mi, Jing Xiang, Shuangjiao Gong, Yingru Zhou, Taowu Ma, Chronic toxicity effects of sediment-associated polystyrene nanoplastics alone and in combination with cadmium on a keystone benthic species Bellamya aeruginosa, Journal of Hazardous Materials, Volume 433, 2022, 128800.
- 310. Xu-Dan Yang, Bo Gong, Wei Chen, Chen Qian, Meng Du, Han-Qing Yu, In-situ quantitative monitoring the organic contaminants uptake onto suspended microplastics in aquatic environments, Water Research, Volume 215, 2022, 118235.

- 311. Qi Liu, Leihong Liu, Jing Huang, Lei Gu, Yunfei Sun, Lu Zhang, Kai Lyu, Zhou Yang, The response of life history defense of cladocerans under predation risk varies with the size and concentration of microplastics, Journal of Hazardous Materials, Volume 427, 2022, 127913.
- 312. Mingming Han, Tianheng Gao, Guoxing Liu, Chenxi Zhu, Tongqing Zhang, Mengling Sun, Jiajia Li, Feng Ji, Qin Si, Qichen Jiang, The effect of a polystyrene nanoplastic on the intestinal microbes and oxidative stress defense of the freshwater crayfish, Procambarus clarkii, Science of The Total Environment, Volume 833, 2022, 155722.
- 313. Yueying Feng, Hongbin Yuan, Wanzhen Wang, Yuanyuan Xu, Jinfeng Zhang, Hengyi Xu, Fen Fu, Co-exposure to polystyrene microplastics and lead aggravated ovarian toxicity in female mice via the PERK/eIF2 α signaling pathway, Ecotoxicology and Environmental Safety, Volume 243, 2022, 113966.
- 314. Jia-Lang Zheng, Xiao Chen, Li-Bin Peng, Dan Wang, Qing-Ling Zhu, Jiji Li, Tao Han, Particles rather than released Zn2+ from ZnO nanoparticles aggravate microplastics toxicity in early stages of exposed zebrafish and their unexposed offspring, Journal of Hazardous Materials, Volume 424, Part C, 2022, 127589.
- 315. Sijing Tang, Jin Qian, Peifang Wang, Bianhe Lu, Yuxuan He, Ziyang Yi, Yuhang Zhang, Exposure to nanoplastic induces cell damage and nitrogen inhibition of activated sludge: Evidence from bacterial individuals and groups, Environmental Pollution, Volume 306, 2022, 119471.
- 316. Shulin Liu, Lei Yan, Yanling Zhang, Muhammad Junaid, Jun Wang, Toxicological effects of polystyrene nanoplastics and perfluorooctanoic acid to Gambusia affinis, Fish & Shellfish Immunology, Volume 127, 2022, Pages 1100-1112.
- 317. Yang Liu, Xuewen Jia, Hua Zhu, Qingjing Zhang, Yan He, Yubang Shen, Xiaoyan Xu, Jiale Li, The effects of exposure to microplastics on grass carp (Ctenopharyngodon idella) at the physiological, biochemical, and transcriptomic levels, Chemosphere, Volume 286, Part 3, 2022, 131831.
- 318. Tao Liu, Baolian Hou, Zhiping Wang, Yanli Yang, Polystyrene microplastics induce mitochondrial damage in mouse GC-2 cells, Ecotoxicology and Environmental Safety, Volume 237, 2022, 113520.
- 319. Kaihang Xu, Wenjie Ai, Qiuping Wang, Liyan Tian, Didi Liu, Zhuozhan Zhuang, Jun Wang, Toxicological effects of nanoplastics and phenanthrene to zebrafish (Danio rerio), Gondwana Research, Volume 108, 2022, Pages 127-132.
- 320. Danlian Huang, Wei Zhou, Sha Chen, Jiaxi Tao, Ruijin Li, Lingshi Yin, Xinya Wang, Haojie Chen, Presence of polystyrene microplastics in Cd contaminated water promotes Cd removal by nano zero-valent iron and ryegrass (Lolium Perenne L.), Chemosphere, Volume 303, Part 1, 2022, 134729.
- 321. Yunxing Lu, Ling Ye, Xiaoyu Jian, Dawei Yang, Hongwei Zhang, Zhaoduo Tong, Zhenhua Wu, Nan Shi, Yunwei Han, Hongju Mao, Integrated microfluidic system for isolating exosome and analyzing protein marker PD-L1, Biosensors and Bioelectronics, Volume 204, 2022, 113879.
- 322. Xiaoyu Qi, Yufei Ye, Hao Wang, Bianbian Zhao, Lixia Xu, Yuting Zhang, Xiaoli Wang, Nandi Zhou, An ultrasensitive and dual-recognition SERS biosensor based on Fe3O4@Au-Teicoplanin and aptamer functionalized Au@Ag nanoparticles for detection of Staphylococcus aureus, Talanta, Volume 250, 2022, 123648.
- 323. Ling Tong, Peng Duan, Xiang Tian, Jiaolong Huang, Jun Ji, Zhaojin Chen, Jianwei Yang, Haiying

- Yu, Weicheng Zhang, Polystyrene microplastics sunlight-induce oxidative dissolution, chemical transformation and toxicity enhancement of silver nanoparticles, Science of The Total Environment, Volume 827, 2022, 154180.
- 324. Jun Zhu, Yi Zhang, Yawen Xu, Li Wang, Qian Wu, Zhan Zhang, Lei Li, Effects of microplastics on the accumulation and neurotoxicity of methylmercury in zebrafish larvae, Marine Environmental Research, Volume 176, 2022, 105615.
- 325. Xizhi Huang, Jonathan Y.S. Leung, Menghong Hu, Elvis Genbo Xu, Youji Wang, Microplastics can aggravate the impact of ocean acidification on the health of mussels: Insights from physiological performance, immunity and byssus properties, Environmental Pollution, Volume 308, 2022, 119701.
- 326. Ruirui Shi, Wenting Zou, Zhiling Zhao, Guanqun Wang, Min Guo, Shiyun Ai, Qing Zhou, Fengchun Zhao, Zhengyou Yang, Development of a sensitive phage-mimotope and horseradish peroxidase based electrochemical immunosensor for detection of O,O-dimethyl organophosphorus pesticides, Biosensors and Bioelectronics, Volume 218, 2022, 114748.
- 327. Jing Yu, Ling Chen, Weiqing Gu, Su Liu, Bing Wu, Heterogeneity effects of nanoplastics and lead on zebrafish intestinal cells identified by single-cell sequencing, Chemosphere, Volume 289, 2022, 133133.
- 328. Yang Liu, Guanghui Xu, Yong Yu, Effects of polystyrene microplastics on accumulation of pyrene by earthworms, Chemosphere, Volume 296, 2022, 134059.
- 329. Zhiwei Shao, Jiana Su, Jiawei Dong, Miaoting Liang, Jie Xiao, Jindie Liu, Qiaoyun Zeng, Yongtao Li, Weilin Huang, Chengyu Chen, Aggregation kinetics of polystyrene nanoplastics in gastric environments: Effects of plastic properties, solution conditions, and gastric constituents, Environment International, Volume 170, 2022, 107628.
- 330. Zhiqiang Liu, Qingrui Zhuan, Luyao Zhang, Lin Meng, Xiangwei Fu, Yunpeng Hou, Polystyrene microplastics induced female reproductive toxicity in mice, Journal of Hazardous Materials, Volume 424, Part C, 2022, 127629.
- 331. Zhi Li, Chuqin Yang, Wenying Lu, Zhaohui Chu, Jingwen Zhang, Ming Li, Qingjiang Wang, Ultrasensitive immuno-PCR for detecting aflatoxin B1 based on magnetic separation and barcode DNA, Food Control, Volume 138, 2022, 109028.
- 332. Wenting Zou, Ruirui Shi, Guanqun Wang, Zhiling Zhao, Fengchun Zhao, Zhengyou Yang, Rapid and sensitive noncompetitive immunoassay for detection of aflatoxin B1 based on anti-immune complex peptide, Food Chemistry, Volume 393, 2022, 133317.
- 333. Han Qu, Fang Wang, Holly Barrett, Bin Wang, Jiajun Han, Junxue Wu, Xiaochen Huang, Yongxia Hu, Gang Yu, Synthetical effect of microplastics and chiral drug amphetamine on a primary food source algae Chlorella pyrenoids, Food and Chemical Toxicology, Volume 169, 2022, 113415.
- 334. Han Du, Xu Zhang, Mingru Yao, Qingli Yang, Wei Wu, Aptamer-guided luminous microsphere for anchoring and lightening Salmonella enterica serovar Typhimurium, Sensors and Actuators B: Chemical, Volume 366, 2022, 131938.
- 335. Siwen Li, Yu Ma, Shuzi Ye, Ying Su, Die Hu, Fang Xiao, Endogenous hydrogen sulfide counteracts polystyrene nanoplastics-induced mitochondrial apoptosis and excessive autophagy via regulating Nrf2 and PGC-1α signaling pathway in mouse spermatocyte-derived GC-2spd(ts) cells, Food and Chemical Toxicology, Volume 164, 2022, 113071.

- 336. Rong Shen, Keren Yang, Xin Cheng, Changlei Guo, Xiqing Xing, Haonan Sun, Disheng Liu, Xiangwen Liu, Degui Wang, Accumulation of polystyrene microplastics induces liver fibrosis by activating cGAS/STING pathway, Environmental Pollution, Volume 300, 2022, 118986.
- 337. Wang Luo, Ting Wang, Zhi Weng, Shulian Bai, Li Zhang, You Wu, Hongyan Yu, Dan Bai, Ding Wang, Huajian Chen, Yongcan Guo, Yujun Yang, Junjie Li, Zhang Zhang, Guoming Xie, Bulge-loop tuned entropy-driven catalytic reaction and tag-encoded barcodes for multiplexed mutation detection, Sensors and Actuators B: Chemical, Volume 358, 2022, 131462.
- 338. Xianming Qin, Xuan Chen, Lei Li, Hairong Wang, Xueyong Wei, Microfluidic acoustic valve for capturing locomotive microorganism without anesthesia, Sensors and Actuators A: Physical, Volume 341, 2022, 113568.
- 339. Xiaodong Ling, Junli Zuo, Meiqi Pan, Hongyan Nie, Jianzhong Shen, Qing Yang, Tien-Chieh Hung, Guangyu Li, The presence of polystyrene nanoplastics enhances the MCLR uptake in zebrafish leading to the exacerbation of oxidative liver damage, Science of The Total Environment, Volume 818, 2022, 151749.
- 340. Jinri Chen, Nan Sun, Haohan Chen, Yuting Zhang, Xiaoli Wang, Nandi Zhou, A FRET-based detection of N-acetylneuraminic acid using CdSe/ZnS quantum dot and exonuclease III-assisted recycling amplification strategy, Food Chemistry, Volume 367, 2022, 130754.
- 341. Xiaopeng Zhu, Jia Teng, Elvis Genbo Xu, Jianmin Zhao, Encui Shan, Chaofan Sun, Qing Wang, Toxicokinetics and toxicodynamics of plastic and metallic nanoparticles: A comparative study in shrimp, Environmental Pollution, Volume 312, 2022, 120069.
- 342. Jian Zheng, Congjun Li, Xiaodong Zheng, Toxic effects of polystyrene microplastics on the intestine of Amphioctopus fangsiao (Mollusca: Cephalopoda): From physiological responses to underlying molecular mechanisms, Chemosphere, Volume 308, Part 2, 2022, 136362.
- 343. Xiaotong Guo, Min Lv, Jinhua Li, Jing Ding, Yunqing Wang, Longwen Fu, Xiyan Sun, Xiaoyue Han, Lingxin Chen, The distinct toxicity effects between commercial and realistic polystyrene microplastics on microbiome and histopathology of gut in zebrafish, Journal of Hazardous Materials, Volume 434, 2022, 128874.
- 344. Jing Cao, Yuanchen Liao, Weishu Yang, Xiaofeng Jiang, Mei Li, Enhanced microalgal toxicity due to polystyrene nanoplastics and cadmium co-exposure: From the perspective of physiological and metabolomic profiles, Journal of Hazardous Materials, Volume 427, 2022, 127937.
- 345. Xingyu Nan, Xingkun Jin, Yu Song, Kaimin Zhou, Yukai Qin, Qun Wang, Weiwei Li, Effect of polystyrene nanoplastics on cell apoptosis, glucose metabolism, and antibacterial immunity of Eriocheir sinensis, Environmental Pollution, Volume 311, 2022, 119960.
- 346. Miaomiao Hou, Chunsen Xu, Xinhua Zou, Zhijun Xia, Liangxia Su, Ning Qiu, Lei Cai, Fandong Yu, Qin Wang, Xiaojuan Zhao, Yongfeng He, Chunling Wang, Jianwei Wang, Long-term exposure to microplastics induces intestinal function dysbiosis in rare minnow (Gobiocypris rarus), Ecotoxicology and Environmental Safety, Volume 246, 2022, 114157.
- 347. Juying Li, Xiaotong Huang, Zhangming Hou, Tengda Ding, Sorption of diclofenac by polystyrene microplastics: Kinetics, isotherms and particle size effects, Chemosphere, Volume 290, 2022, 133311.
- 348. Yiming Li, Xinglin Du, Qichen Jiang, Yingying Huang, Yunlong Zhao, Effects of nanoplastic exposure on the growth performance and molecular characterization of growth-associated

- genes in juvenile Macrobrachium nipponense, Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology, Volume 254, 2022, 109278.
- 349. Junjie Huang, Zhihao Zhu, Yu Zhang, Juan Tu, Xiasheng Guo, Dong Zhang, On-chip centrifuge using spiral surface acoustic waves on a ZnO/glass substrate, Sensors and Actuators A: Physical, Volume 347, 2022, 113901.
- 350. Yumeng Liao, Jiaxi Gao, Weixiang Huang, Ruo Yuan, Wenju Xu, LAMP-H+-responsive electrochemical ratiometric biosensor with minimized background signal for highly sensitive assay of specific short-stranded DNA, Biosensors and Bioelectronics, Volume 195, 2022, 113662.
- 351. Kai Lyu, Bo Yu, Da Li, Lei Gu, Zhou Yang, Increased food availability reducing the harmful effects of microplastics strongly depends on the size of microplastics, Journal of Hazardous Materials, Volume 437, 2022, 129375.
- 352. Jun-Li Xu, Xiaohui Lin, Aoife A. Gowen, Combining machine learning with meta-analysis for predicting cytotoxicity of micro- and nanoplastics, Journal of Hazardous Materials Advances, Volume 8, 2022, 100175.
- 353. Wei Sun, Sen Yan, Zhiyuan Meng, Sinuo Tian, Ming Jia, Shiran Huang, Yu Wang, Zhiqiang Zhou, Jinling Diao, Wentao Zhu, Combined ingestion of polystyrene microplastics and epoxiconazole increases health risk to mice: Based on their synergistic bioaccumulation in vivo, Environment International, Volume 166, 2022, 107391.
- 354. Hui Yang, Zhu Zhu, Yuexuan Xie, Chen Zheng, Zhenyuan Zhou, Tianhao Zhu, Yingying Zhang, Comparison of the combined toxicity of polystyrene microplastics and different concentrations of cadmium in zebrafish, Aquatic Toxicology, Volume 250, 2022, 106259.
- 355. Xiao Chen, Li-Bin Peng, Dan Wang, Qing-Ling Zhu, Jia-Lang Zheng, Combined effects of polystyrene microplastics and cadmium on oxidative stress, apoptosis, and GH/IGF axis in zebrafish early life stages, Science of The Total Environment, Volume 813, 2022, 152514.
- 356. Chaonan Zhang, Zhengkun Pan, Shaodan Wang, Guohuan Xu, Jixing Zou, Size and concentration effects of microplastics on digestion and immunity of hybrid snakehead in developmental stages, Aquaculture Reports, Volume 22, 2022, 100974.
- 357. Ling Tong, Ke Song, Yingqi Wang, Jianwei Yang, Jun ji, Jianrong Lu, Zhaojin Chen, Weicheng Zhang, Zinc oxide nanoparticles dissolution and toxicity enhancement by polystyrene microplastics under sunlight irradiation, Chemosphere, Volume 299, 2022, 134421,
- 358. Xuan Li, Lei Chen, Ding Weng, Chaolang Chen, Zhaoxin Li, Jiadao Wang, Tension gradient-driven rapid self-assembly method of large-area colloidal crystal film and its application in multifunctional structural color displays, Chemical Engineering Journal, Volume 427, 2022, 130658.
- 359. Mengjie Chang, Chao Zhang, Mingyang Li, Junyu Dong, Changchao Li, Jian Liu, Julie Verheyen, Robby Stoks, Warming, temperature fluctuations and thermal evolution change the effects of microplastics at an environmentally relevant concentration, Environmental Pollution, Volume 292, Part A, 2022, 118363.
- 360. Yuki Takai, Hideaki Tokusumi, Moeko Sato, Daishi Inoue, Kun Chen, Takumi Takamura, Shintaro Enoki, Yu Ueno, Ik Joon Kang, Yohei Shimasaki, Xuchun Qiu, Yuji Oshima, Combined effect of diazepam and polystyrene microplastics on the social behavior of medaka (Oryzias latipes), Chemosphere, Volume 299, 2022, 134403.
- 361. Wen Chen, Pengcheng Tu, Xiang Ye, Qiong Tang, Ting Yu, Xiaodong Zheng,

- Cyanidin-3-O-glucoside impacts fecal discharge of polystyrene microplastics in mice: Potential role of microbiota-derived metabolites, Toxicology and Applied Pharmacology, Volume 453, 2022, 116212.
- 362. Xian Zhang, Hao-Nan Li, Cheng-Ye Zhu, Xiao-Jun Huang, Andreas Greiner, Zhi-Kang Xu, Biomimetic gill-inspired membranes with direct-through micropores for water remediation by efficiently removing microplastic particles, Chemical Engineering Journal, Volume 434, 2022, 134758.
- 363. Xinwei Ren, Lan Wang, Jingchun Tang, Hongwen Sun, John P. Giesy, Combined effects of degradable film fragments and micro/nanoplastics on growth of wheat seedling and rhizosphere microbes, Environmental Pollution, Volume 294, 2022, 118516.
- 364. Wei Cheng, Xiaolan Li, Yue Zhou, Hengyi Yu, Yichun Xie, Huaqi Guo, Hui Wang, Yan Li, Yan Feng, Yan Wang, Polystyrene microplastics induce hepatotoxicity and disrupt lipid metabolism in the liver organoids, Science of The Total Environment, Volume 806, Part 1, 2022, 150328.
- 365. Fan Zhang, Depeng Li, Yiwen Yang, Hanwen Zhang, Jiahua Zhu, Jiadai Liu, Xianyong Bu, Erchao Li, Jianguang Qin, Na Yu, Liqiao Chen, Xiaodan Wang, Combined effects of polystyrene microplastics and copper on antioxidant capacity, immune response and intestinal microbiota of Nile tilapia (Oreochromis niloticus), Science of The Total Environment, Volume 808, 2022, 152099.
- 366. Yuanyuan Pei, Xinyu Li, Guangjian Zeng, Yuting Gao, Tao Wen, Chiral stationary phases based on lactide derivatives for high-performance liquid chromatography, Journal of Chromatography A, Volume 1661, 2022, 462705.
- 367. Yi Zhang, Xin Zhang, Qing Yan, Cheng Xu, Qian Liu, Yuehong Shen, Jin Xu, Gang Wang, Peng Zhao, Melatonin attenuates polystyrene microplastics induced motor neurodevelopmental defect in zebrafish (Danio rerio) by activating nrf2 isl2a Axis, Ecotoxicology and Environmental Safety, Volume 241, 2022, 113754.
- 368. Yizheng Li, Shulin Liu, Qiuping Wang, Yanling Zhang, Xikun Chen, Lei Yan, Muhammad Junaid, Jun Wang, Polystyrene nanoplastics aggravated ecotoxicological effects of polychlorinated biphenyls in on zebrafish (Danio rerio) embryos, Geoscience Frontiers, Volume 13, Issue 3, 2022, 101376.
- 369. Ruirui Shi, Zhiling Zhao, Guanqun Wang, Wenting Zou, Fengchun Zhao, Zhengyou Yang, Development of a noncompetitive magnetic-phage anti-immunocomplex assay for detecting of organophosphorus pesticides with a thiophosphate group, Analytical Biochemistry, Volume 646, 2022, 114632.
- 370. Xianxian Chu, Bo Zheng, Zhengxuan Li, Cheng Cai, Zhu Peng, Peng Zhao, Yimei Tian, Occurrence and distribution of microplastics in water supply systems: In water and pipe scales, Science of The Total Environment, Volume 803, 2022, 150004.
- 371. Jun-Nan Huang, Yuan Zhang, Lei Xu, Kai-Xuan He, Bin Wen, Pei-Wen Yang, Jie-Yu Ding, Jing-Ze Li, Huan-Chao Ma, Jian-Zhong Gao, Zai-Zhong Chen, Microplastics: A tissue-specific threat to microbial community and biomarkers of discus fish (Symphysodon aequifasciatus), Journal of Hazardous Materials, Volume 424, Part D, 2022, 127751.
- 372. Yiying Jiao, Yongjie Zhu, Mo Chen, Liang Wan, Yijun Zhao, Jian Gao, Mingjun Liao, Xiaofang Tian, The humic acid-like substances released from Microcystis aeruginosa contribute to defending against smaller-sized microplastics, Chemosphere, Volume 303, Part 1, 2022,

135034.

- 373. Siyue Wen, Yu Zhao, Shanji Liu, Yanbiao Chen, Hongbin Yuan, Hengyi Xu, Polystyrene microplastics exacerbated liver injury from cyclophosphamide in mice: Insight into gut microbiota, Science of The Total Environment, Volume 840, 2022, 156668.
- 374. Qing Wang, Fengqi Huang, Kaishan Liang, Wenbiao Niu, Xuzhuo Duan, Xianze Jia, Xuefeng Wu, Peng Xu, Lei Zhou, Polystyrene nanoplastics affect digestive function and growth in juvenile groupers, Science of The Total Environment, Volume 808, 2022, 152098.
- 375. Dingjie Huang, Ying Zhang, Jianglan Long, Xinyu Yang, Li Bao, Zhirui Yang, Bowen Wu, Ruxue Si, Wei Zhao, Cheng Peng, Aiting Wang, Dan Yan, Polystyrene microplastic exposure induces insulin resistance in mice via dysbacteriosis and pro-inflammation, Science of The Total Environment, Volume 838, Part 1, 2022, 155937.
- 376. Hua Wang, Xuelian Shi, Yan Gao, Xiangyang Zhang, Hongzhi Zhao, Lei Wang, Xu Zhang, Ruibing Chen, Polystyrene nanoplastics induce profound metabolic shift in human cells as revealed by integrated proteomic and metabolomic analysis, Environment International, Volume 166, 2022, 107349.
- 377. Wujiang Fan, Pinhong Yang, Yanping Qiao, Ming Su, Genyu Zhang, Polystyrene nanoplastics decrease molting and induce oxidative stress in adult Macrobrachium nipponense, Fish & Shellfish Immunology, Volume 122, 2022, Pages 419-425.
- 378. Chenxi Zhu, Tongqing Zhang, Xiaowei Liu, Xiankun Gu, Daming Li, Jiawen Yin, Qichen Jiang, Wenyi Zhang, Changes in life-history traits, antioxidant defense, energy metabolism and molecular outcomes in the cladoceran Daphnia pulex after exposure to polystyrene microplastics, Chemosphere, Volume 308, Part 1, 2022, 136066.
- 379. Yang Wang, Yuxuan Xie, Wei Fan, Zihao Yang, Wenda Tan, Mingxin Huo, Yang Huo, Mechanism comparisons of transport-deposition-reentrainment between microplastics and natural mineral particles in porous media: A theoretical and experimental study, Science of The Total Environment, Volume 850, 2022, 157998.
- 380. Jun-Li Xu, Xiaohui Lin, Jing Jing Wang, Aoife A. Gowen, A review of potential human health impacts of micro- and nanoplastics exposure, Science of The Total Environment, Volume 851, Part 1, 2022, 158111.
- 381. Xianxian Chu, Yimei Tian, Jing Liu, Shichao Jia, Weigao Zhao, Peng Zhao, The effect of adsorption on the fate of colloidal polystyrene microplastics in drinking water distribution system pipe scales, Journal of Hazardous Materials, Volume 439, 2022, 129680.
- 382. Jiayin Wang, Liju Tan, Ziqi Ni, Na Zhang, Qi Li, Jiangtao Wang, Is hydrodynamic diameter the decisive factor? Comparison of the toxic mechanism of nSiO2 and mPS on marine microalgae Heterosigma akashiwo, Aquatic Toxicology, Volume 252, 2022, 106309.
- 383. Jun Wang, Xuan Li, Peng Li, Lianxu Li, Lingchao Zhao, Shaoguo Ru, Dahai Zhang, Porous microplastics enhance polychlorinated biphenyls-induced thyroid disruption in juvenile Japanese flounder (Paralichthys olivaceus), Marine Pollution Bulletin, Volume 174, 2022, 113289.
- 384. Jie Gao, Xue Gu, Manqian Zhang, Xingwang Zu, Fukui Shen, Xiaotao Hou, Erwei Hao, Gang Bai, Ferulic acid targets ACSL1 to ameliorate lipid metabolic disorders in db/db mice, Journal of Functional Foods, Volume 91, 2022, 105009.
- 385. Lingzhan Miao, Song Guo, Jun Wu, Tanveer M. Adyel, Zhilin Liu, Songqi Liu, Jun Hou, Polystyrene nanoplastics change the functional traits of biofilm communities in freshwater

- environment revealed by GeoChip 5.0, Journal of Hazardous Materials, Volume 423, Part B, 2022, 127117.
- 386. Hao Yang, Danke Xu, Highly-sensitive and simple fluorescent aptasensor for 17 b-estradiol detection coupled with HCR-HRP structure, Talanta, Volume 240, 2022, 123094.
- 387. Leisha M.A. Martin, Nin Gan, Erica Wang, Mackenzie Merrill, Wei Xu, Materials, surfaces, and interfacial phenomena in nanoplastics toxicology research, Environmental Pollution, Volume 292, Part B, 2022, 118442.
- 388. Yiming Li, Zhiquan Liu, Qichen Jiang, Yucong Ye, Yunlong Zhao, Effects of nanoplastic on cell apoptosis and ion regulation in the gills of Macrobrachium nipponense, Environmental Pollution, Volume 300, 2022, 118989.
- 389. Xiaoping Zhou, Guoliang Wang, Xiaoya An, Jun Wu, Kai Fan, Lina Xu, Cheng Li, Yuhua Xue, Polystyrene microplastic particles: In vivo and in vitro ocular surface toxicity assessment, Environmental Pollution, Volume 303, 2022, 119126.
- 390. Yucheng Zhang, Xiaotong Su, Nora F.Y. Tam, Xiaolan Lao, Meiling Zhong, Qihang Wu, Huifang Lei, Zihui Chen, Zhang Li, Jie Fu, An insight into aggregation kinetics of polystyrene nanoplastics interaction with metal cations, Chinese Chemical Letters, Volume 33, Issue 12, 2022, Pages 5213-5217.
- 391. Yuxuan Liu, Yonghua Wang, Na Li, Shengnan Jiang, Avobenzone and nanoplastics affect the development of zebrafish nervous system and retinal system and inhibit their locomotor behavior, Science of The Total Environment, Volume 806, Part 2, 2022, 150681.
- 392. Xiaoyao Ma, Yongping Bai, Kaixin Liu, Yiman Han, Jinling Zhang, Yuteng Liu, Xiaotao Hou, Erwei Hao, Yuanyuan Hou, Gang Bai, Ursolic acid inhibits the cholesterol biosynthesis and alleviates high fat diet-induced hypercholesterolemia via irreversible inhibition of HMGCS1 in vivo, Phytomedicine, Volume 103, 2022, 154233.
- 393. Xiao Chen, Dan Wang, Li-Bin Peng, Hong-Zi Song, Li-Ping Xiang, Han-Xiu Yu, Jia-Lang Zheng, Qing-Ling Zhu, Genome-wide identification of seven superoxide dismutase genes in the marine rotifer Brachionus rotundiformis and modulated expression and enzymatic activity in response to microplastics and nutritional status, Aquatic Toxicology, Volume 243, 2022, 106055.
- 394. Yu-Xi Zhang, Mei Wang, Liuyan Yang, Ke Pan, Ai-Jun Miao, Bioaccumulation of differently-sized polystyrene nanoplastics by human lung and intestine cells, Journal of Hazardous Materials, Volume 439, 2022, 129585.
- 395. Lishan Zhu, Haiqing Wang, Chao Liu, Chanchan Xu, Zhenda Liang, Christopher J. Martyniuk, Xiaohong Wang, Li Zhou, Bing Yan, Facile synthesis of porous DNA/Protein hydrogels for water purification, Materials Today Communications, Volume 33, 2022, 104638.
- 396. Su Liu, Zhizhi Wang, Qi Xiang, Bing Wu, Wang Lv, Shimin Xu, A comparative study in healthy and diabetic mice followed the exposure of polystyrene microplastics: Differential lipid metabolism and inflammation reaction, Ecotoxicology and Environmental Safety, Volume 244, 2022, 114031.
- 397. Siyue Wen, Yu Zhao, Shanji Liu, Hongbin Yuan, Tao You, Hengyi Xu, Microplastics-perturbed gut microbiota triggered the testicular disorder in male mice: Via fecal microbiota transplantation, Environmental Pollution, Volume 309, 2022, 119789.
- 398. Shulin Liu, Lei Yan, Yanling Zhang, Muhammad Junaid, Jun Wang, Polystyrene nanoplastics exacerbated the ecotoxicological and potential carcinogenic effects of tetracycline in

- juvenile grass carp (Ctenopharyngodon idella), Science of The Total Environment, Volume 803, 2022, 150027.
- 399. Jian Zheng, Congjun Li, Xiaodong Zheng, Polystyrene microplastic ingestion induces the damage in digestive gland of Amphioctopus fangsiao at the physiological, inflammatory, metabolome and transcriptomic levels, Environmental Pollution, Volume 315, 2022, 120480.
- 400. Jiaolong Huang, Peng Duan, Ling Tong, Weicheng Zhang, Influence of polystyrene microplastics on the volatilization, photodegradation and photoinduced toxicity of anthracene and pyrene in freshwater and artificial seawater, Science of The Total Environment, Volume 819, 2022, 152049.
- 401. Jing Gao, Liuwei Wang, Yong Sik Ok, Michael S. Bank, Jian Luo, Wei-Min Wu, Deyi Hou, Nanoplastic stimulates metalloid leaching from historically contaminated soil via indirect displacement, Water Research, Volume 218, 2022, 118468.
- 402. Xue Xiao, Erkai He, Xiaofeng Jiang, Xing Li, Wenjun Yang, Jujun Ruan, Chunmei Zhao, Rongliang Qiu, Yetao Tang, Visualizing and assessing the size-dependent oral uptake, tissue distribution, and detrimental effect of polystyrene microplastics in Eisenia fetida, Environmental Pollution, Volume 306, 2022, 119436.
- 403. Jun-Nan Huang, Bin Wen, Lei Xu, Huan-Chao Ma, Xin-Xin Li, Jian-Zhong Gao, Zai-Zhong Chen, Micro/nano-plastics cause neurobehavioral toxicity in discus fish (Symphysodon aequifasciatus): Insight from brain-gut-microbiota axis, Journal of Hazardous Materials, Volume 421, 2022, 126830.
- 404. Wen Chen, Zhen Chen, Shuo Shan, Aibo Wu, Chao Zhao, Xiang Ye, Xiaodong Zheng, Ruiyu Zhu, Cyanidin-3-O-glucoside promotes stress tolerance and lifespan extension of Caenorhabditis elegans exposed to polystyrene via DAF-16 pathway, Mechanisms of Ageing and Development, Volume 207, 2022, 111723.
- 405. Jun Wang, Xuan Li, Ming Gao, Xuefu Li, Lingchao Zhao, Shaoguo Ru, Polystyrene microplastics increase estrogenic effects of 17α-ethynylestradiol on male marine medaka (Oryzias melastigma), Chemosphere, Volume 287, Part 3, 2022, 132312.
- 406. Diqi Yang, Jiandi Zhu, Xiaoshu Zhou, Di Pan, Sha Nan, Ruiling Yin, Qianghui Lei, Ning Ma, Hongmei Zhu, Jianguo Chen, Li Han, Mingxing Ding, Yi Ding, Polystyrene micro- and nano-particle coexposure injures fetal thalamus by inducing ROS-mediated cell apoptosis, Environment International, Volume 166, 2022, 107362.
- 407. Jing Qin, Peng-Fei Xia, Xian-Zheng Yuan, Shu-Guang Wang, Chlorine disinfection elevates the toxicity of polystyrene microplastics to human cells by inducing mitochondria-dependent apoptosis, Journal of Hazardous Materials, Volume 425, 2022, 127842.

2021(71)

- 408. Junyi He, Xianhai Yang, Huihui Liu, Enhanced toxicity of triphenyl phosphate to zebrafish in the presence of micro- and nano-plastics, Science of The Total Environment, Volume 756, 2021, 143986.
- 409. Wenfeng Yang, Pan Gao, Ye Nie, Jiayi Huang, Yixiao Wu, Liang Wan, Huijun Ding, Weihao Zhang, Comparison of the effects of continuous and accumulative exposure to nanoplastics on microalga Chlorella pyrenoidosa during chronic toxicity, Science of The Total Environment, Volume 788, 2021, 147934.
- 410. Weicheng Zhang, Ke Song, Runrun Ding, Hui Han, Lunguang Yao, Mingfei Ji, Zhaojin Chen,

- Haiying Yu, Chenxi Wu, Tao Fang, Role of polystyrene microplastics in sunlight-mediated transformation of silver in aquatic environments: Mechanisms, kinetics and toxicity, Journal of Hazardous Materials, Volume 419, 2021, 126429.
- 411. Yuwen Lu, Wei Tan, Xin Shi, Mingwei Liu, Guorui Zhu, A weak shear stress microfluidic device based on Viscoelastic Stagnant Region (VSR) for biosensitive particle capture, Talanta, Volume 233, 2021, 122550.
- 412. Wenqiu Huang, Ting Zhao, Xiaolin Zhu, Ziqi Ni, Xin Guo, Liju Tan, Jiangtao Wang, The effects and mechanisms of polystyrene and polymethyl methacrylate with different sizes and concentrations on Gymnodinium aeruginosum, Environmental Pollution, Volume 287, 2021, 117626.
- 413. Weiling Song, Feng Zhang, Pan Song, Zhonghui Zhang, Peng He, Ying Li, Xiaoru Zhang, Untrasensitive photoelectrochemical sensor for microRNA detection with DNA walker amplification and cation exchange reaction, Sensors and Actuators B: Chemical, Volume 327, 2021, 128900.
- 414. Lingai Pan, Dongke Yu, Yuan Zhang, Changyu Zhu, Qinan Yin, Yu Hu, Xiaoqin Zhang, Ruiming Yue, Xuan Xiong, Polystyrene microplastics-triggered mitophagy and oxidative burst via activation of PERK pathway, Science of The Total Environment, Volume 781, 2021, 146753.
- 415. Yuwei Tian, Limin Zhang, Fangjie Liu, Minxuan Wang, Lingyun Li, Mingmei Guo, Hangyu Xu, Zhiying Yu, Weizhi Wang, Multi-stage responsive peptide nanosensor: Anchoring EMT and mitochondria with enhanced fluorescence and boosting tumor apoptosis, Biosensors and Bioelectronics, Volume 184, 2021, 113235.
- 416. Zhiquan Liu, Yiming Li, Edgar Pérez, Qichen Jiang, Qiang Chen, Yang Jiao, Yinying Huang, Ying Yang, Yunlong Zhao, Polystyrene nanoplastic induces oxidative stress, immune defense, and glycometabolism change in Daphnia pulex: Application of transcriptome profiling in risk assessment of nanoplastics, Journal of Hazardous Materials, Volume 402, 2021, 123778.
- 417. Wenfeng Yang, Pan Gao, Guoyi Ma, Jiayi Huang, Yixiao Wu, Liang Wan, Huijun Ding, Weihao Zhang, Transcriptome analysis of the toxic mechanism of nanoplastics on growth, photosynthesis and oxidative stress of microalga Chlorella pyrenoidosa during chronic exposure, Environmental Pollution, Volume 284, 2021, 117413.
- 418. Liangtao Zhao, Wenyuan Shi, Fangfang Hu, Xujun Song, Zhangjun Cheng, Jiahua Zhou, Prolonged oral ingestion of microplastics induced inflammation in the liver tissues of C57BL/6J mice through polarization of macrophages and increased infiltration of natural killer cells, Ecotoxicology and Environmental Safety, Volume 227, 2021, 112882.
- 419. Jin Qian, Xixian He, Peifang Wang, Bin Xu, Kun Li, Bianhe Lu, Wen Jin, Sijing Tang, Effects of polystyrene nanoplastics on extracellular polymeric substance composition of activated sludge: The role of surface functional groups, Environmental Pollution, Volume 279, 2021, 116904.
- 420. Jun Wang, Mingyi Zheng, Lin Lu, Xuefu Li, Zhenzhong Zhang, Shaoguo Ru, Adaptation of life-history traits and trade-offs in marine medaka (Oryzias melastigma) after whole life-cycle exposure to polystyrene microplastics, Journal of Hazardous Materials, Volume 414, 2021, 125537.
- 421. Xiaoyan Gan, Feng Qiu, Bingying Jiang, Ruo Yuan, Yun Xiang, Convenient and highly sensitive electrochemical biosensor for monitoring acid phosphatase activity, Sensors and Actuators B: Chemical, Volume 332, 2021, 129483.

- 422. Xiaoyu Guo, Yanpeng Cai, Chuanxin Ma, Lanfang Han, Zhifeng Yang, Combined toxicity of micro/nano scale polystyrene plastics and ciprofloxacin to Corbicula fluminea in freshwater sediments, Science of The Total Environment, Volume 789, 2021, 147887.
- 423. Yixuan Ma, Juan Huang, Tingwei Han, Chunni Yan, Chong Cao, Meifang Cao, Comprehensive metagenomic and enzyme activity analysis reveals the negatively influential and potentially toxic mechanism of polystyrene nanoparticles on nitrogen transformation in constructed wetlands, Water Research, Volume 202, 2021, 117420.
- 424. Junli Zuo, Tangbin Huo, Xue Du, Qing Yang, Qin Wu, Jianzhong Shen, Chunsheng Liu, Tien-Chieh Hung, Wei Yan, Guangyu Li, The joint effect of parental exposure to microcystin-LR and polystyrene nanoplastics on the growth of zebrafish offspring, Journal of Hazardous Materials, Volume 410, 2021, 124677.
- 425. Tao Yao, Jiejie Feng, Changshun Chu, Zhanfang Ma, Hongliang Han, Cascade controlled release system based on pH-responsive ZIF-8 capsule and enzyme-responsive hyaluronic acid hydrogel for tumor marker detection using electro-readout-mode, Sensors and Actuators B: Chemical, Volume 348, 2021, 130701.
- 426. Shixiu Wang, Zhen Zhong, Zhuoqing Li, Xinghuo Wang, Huaxin Gu, Wei Huang, James Kar-Hei Fang, Huahong Shi, Menghong Hu, Youji Wang, Physiological effects of plastic particles on mussels are mediated by food presence, Journal of Hazardous Materials, Volume 404, Part A, 2021, 124136.
- 427. Jiaxi Gao, Xiaoyu Hua, Ruo Yuan, Qiong Li, Wenju Xu, Amplified electrochemical biosensing based on bienzymatic cascade catalysis confined in a functional DNA structure, Talanta, Volume 234, 2021, 122643.
- 428. Ting Wang, Menghong Hu, Guangen Xu, Huahong Shi, Jonathan Y.S. Leung, Youji Wang, Microplastic accumulation via trophic transfer: Can a predatory crab counter the adverse effects of microplastics by body defence? Science of The Total Environment, Volume 754, 2021, 142099.
- 429. Ming-Yan Ouyang, Xiao-Sa Feng, Xin-Xin Li, Bin Wen, Jun-Heng Liu, Jun-Nan Huang, Jian-Zhong Gao, Zai-Zhong Chen, Microplastics intake and excretion: Resilience of the intestinal microbiota but residual growth inhibition in common carp, Chemosphere, Volume 276, 2021, 130144.
- 430. Qichen Jiang, Wenyi Zhang, Gradual effects of gradient concentrations of polystyrene nanoplastics on metabolic processes of the razor clams, Environmental Pollution, Volume 287, 2021, 117631.
- 431. Yiming Li, Xinglin Du, Zhiquan Liu, Meng Zhang, Youhui Huang, Jiangtao Tian, Qichen Jiang, Yunlong Zhao, Two genes related to reproductive development in the juvenile prawn, Macrobrachium nipponense: Molecular characterization and transcriptional response to nanoplastic exposure, Chemosphere, Volume 281, 2021, 130827.
- 432. Ming Zhang, Junhan Yang, Zhen Kang, Xinyou Wu, Linfeng Tang, Zhimin Qiang, Daoyong Zhang, Xiangliang Pan, Removal of micron-scale microplastic particles from different waters with efficient tool of surface-functionalized microbubbles, Journal of Hazardous Materials, Volume 404, Part A, 2021, 124095.
- 433. Yin Lu, Qin Ma, Xiaolu Xu, Zhefu Yu, Tianjiao Guo, Yangkai Wu, RETRACTED: Cytotoxicity and genotoxicity evaluation of polystyrene microplastics on Vicia faba roots, Environmental Pollution, Volume 288, 2021, 117821.

- 434. Guanghui Xu, Yang Liu, Xue Song, Ming Li, Yong Yu, Size effects of microplastics on accumulation and elimination of phenanthrene in earthworms, Journal of Hazardous Materials, Volume 403, 2021, 123966.
- 435. Bin Wang, Baojie Li, Huachuan Huang, Shuwei Yang, Dan Jian, Jing Liu, Keding Yan, Yanke Shan, Shouyu Wang, Fei Liu, Sensitive antibody fluorescence immunosorbent assay (SAFIA) for rapid on-site detection on avian influenza virus H9N2 antibody, Analytica Chimica Acta, Volume 1164, 2021, 338524.
- 436. Haibo Jin, Tan Ma, Xiaoxuan Sha, Zhenyu Liu, Yuan Zhou, Xiannan Meng, Yabing Chen, Xiaodong Han, Jie Ding, Polystyrene microplastics induced male reproductive toxicity in mice, Journal of Hazardous Materials, Volume 401, 2021, 123430.
- 437. Qing Wang, Xuzhuo Duan, Fengqi Huang, Huitao Cheng, Chunli Zhang, Lihua Li, Xinhe Ruan, Qi He, Huirong Yang, Wenbiao Niu, Qiwei Qin, Huihong Zhao, Polystyrene nanoplastics alter virus replication in orange-spotted grouper (Epinephelus coioides) spleen and brain tissues and spleen cells, Journal of Hazardous Materials, Volume 416, 2021, 125918.
- 438. Wenfeng Yang, Pan Gao, Huixiang Li, Jiayi Huang, Yan Zhang, Huijun Ding, Weihao Zhang, Mechanism of the inhibition and detoxification effects of the interaction between nanoplastics and microalgae Chlorella pyrenoidosa, Science of The Total Environment, Volume 783, 2021, 146919.
- 439. Yueyong Shang, Huaxin Gu, Shanglu Li, Xueqing Chang, Inna Sokolova, James K.H. Fang, Shuaishuai Wei, Xiang Chen, Menghong Hu, Wei Huang, Youji Wang, Microplastics and food shortage impair the byssal attachment of thick-shelled mussel Mytilus coruscus, Marine Environmental Research, Volume 171, 2021, 105455.
- 440. Ke Ye, Dawei Shi, Zhigao Zhang, Lun Bian, Zhaoyue Li, Tiancai Liu, Chunhui He, Sihong Xu, Yingsong Wu, Guanfeng Lin, A chemiluminescence immunoassay for precise automatic quality control of glycoprotein in human rabies vaccine, Vaccine, Volume 39, Issue 51, 2021, Pages 7470-7476.
- 441. Hui Bai, Lei Chen, Simultaneous separation of atenolol enantiomers and its acid/alkaline degradation impurities on mixed-mode chiral ligand exchange stationary phases, Chirality, Volume 33, Issue 10, 2021, Pages 710-721.
- 442. Junyu Hou, Zhimin Lei, Linlu Cui, Yun Hou, Long Yang, Ru An, Qimeng Wang, Shengda Li, Hongqin Zhang, Lianshuang Zhang, Polystyrene microplastics lead to pyroptosis and apoptosis of ovarian granulosa cells via NLRP3/Caspase-1 signaling pathway in rats, Ecotoxicology and Environmental Safety, Volume 212, 2021, 112012.
- 443. Sitong Xu, Jiancong Wu, Cang Chen, Jiayu Zhang, Yao Wang, Hong Xu, A micro-chamber free digital biodetection method via the "sphere-labeled-sphere" strategy, Sensors and Actuators B: Chemical, Volume 337, 2021, 129794.
- 444. Chaonan Zhang, Jun Wang, Zhengkun Pan, Shaodan Wang, Li Zhang, Qiujie Wang, Qiao Ye, Aiguo Zhou, Shaolin Xie, Fang Zeng, Guohuan Xu, Jixing Zou, A dosage-effect assessment of acute toxicology tests of microplastic exposure in filter-feeding fish, Fish & Shellfish Immunology, Volume 113, 2021, Pages 154-161.
- 445. Bao Gao, Tongtong Ma, Lin Feng, Xiaolin Huang, Xuelan Chen, Yonghua Xiong, Light scattering intensity as signal transducer to enhance the performance of immunoassay for Cronobacter detection in powdered infant formula, Sensors and Actuators B: Chemical, Volume 344, 2021, 130312.

- 446. Li Sun, Shiqing Sun, Ming Bai, Zhengjun Wang, Yongjun Zhao, Qingguo Huang, Changwei Hu, Xi Li, Internalization of polystyrene microplastics in Euglena gracilis and its effects on the protozoan photosynthesis and motility, Aquatic Toxicology, Volume 236, 2021, 105840.
- 447. Chao Li, Fei Wang, Tao Liu, Yucai Yang, A highly sensitive, dual-readout assay based on self-assembly of two functional nanoparticles for homogeneous detection of protein biomarkers, Sensors and Actuators B: Chemical, Volume 348, 2021, 130710.
- 448. Qin Wu, Guangyu Li, Tangbin Huo, Xue Du, Qing Yang, Tien-Chieh Hung, Wei Yan, Mechanisms of parental co-exposure to polystyrene nanoplastics and microcystin-LR aggravated hatching inhibition of zebrafish offspring, Science of The Total Environment, Volume 774, 2021, 145766.
- 449. Qi Sun, Wei Peng, Xiao Hai, Mathematical model and atomic force microscopy measurements of adhesion between graphite particles and rough walls, Applied Surface Science, Volume 562, 2021, 149976.
- 450. Changan Ma, Xiaojie Liu, Di Zuo, Cloning and characterization of AMP-activated protein kinase genes in Daphnia pulex: Modulation of AMPK gene expression in response to polystyrene nanoparticles, Biochemical and Biophysical Research Communications, Volume 583, 2021, Pages 114-120.
- 451. Yuexin Wei, Yu Zhou, Chunlan Long, Huan Wu, Yifan Hong, Yan Fu, Junke Wang, Yuhao Wu, Lianju Shen, Guanghui Wei, Polystyrene microplastics disrupt the blood-testis barrier integrity through ROS-Mediated imbalance of mTORC1 and mTORC2, Environmental Pollution, Volume 289, 2021, 117904.
- 452. Yiming Li, Zhiquan Liu, Yuan Yang, Qichen Jiang, Donglei Wu, Youhui Huang, Yang Jiao, Qiang Chen, Yinying Huang, Yunlong Zhao, Effects of nanoplastics on energy metabolism in the oriental river prawn (Macrobrachium nipponense), Environmental Pollution, Volume 268, Part A, 2021, 115890,
- 453. Jinjin Shi, Lixuan Zhang, Zhixia Huo, Lei Chen, High stability amino-derived reversed-phase/anion-exchange mixed-mode phase based on polysilsesquioxane microspheres for simultaneous separation of compound drugs, Journal of Pharmaceutical and Biomedical Analysis, Volume 203, 2021, 114187.
- 454. Phuping Sucharitakul, Kylie A. Pitt, David T. Welsh, Trophic transfer of microbeads to jellyfish and the importance of aging microbeads for microplastic experiments, Marine Pollution Bulletin, Volume 172, 2021, 112867.
- 455. Hengxuan Li, Minghui Chen, Ran Luo, Weipan Peng, Xiaoqun Gong, Jin Chang, An amplified fluorescent biosensor for Ag+ detection through the hybridization chain reactions, Colloids and Surfaces B: Biointerfaces, Volume 202, 2021, 111686.
- 456. Chungen Qian, Yujin Xiao, Jie Wang, Yiwei Li, Shunji Li, Bo Wei, Wei Du, Xiaojun Feng, Peng Chen, Bi-Feng Liu, Rapid exosomes concentration and in situ detection of exosomal microRNA on agarose-based microfluidic chip, Sensors and Actuators B: Chemical, Volume 333, 2021, 129559.
- 457. Zhenlu Wang, Lanfen Fan, Jun Wang, Jiang Zhou, Qiao Ye, Li Zhang, Guohuan Xu, Jixing Zou, Impacts of microplastics on three different juvenile shrimps: Investigating the organism response distinction, Environmental Research, Volume 198, 2021, 110466.
- 458. Yu Li, Jing Yuan, Shengnan Zhan, Jiaqi Hu, Yuqian Guo, Lu Ding, Xiaolin Huang, Yonghua Xiong, Dynamic light scattering immunosensor based on metal-organic framework mediated gold

- growth strategy for the ultra-sensitive detection of alpha-fetoprotein, Sensors and Actuators B: Chemical, Volume 341, 2021, 130030.
- 459. Haibin Zheng, Jun Wang, Xuanyi Wei, Le Chang, Su Liu, Proinflammatory properties and lipid disturbance of polystyrene microplastics in the livers of mice with acute colitis, Science of The Total Environment, Volume 750, 2021, 143085.
- 460. Siwen Li, Mei Shi, Yanling Wang, Yanxin Xiao, Daihong Cai, Fang Xiao, Keap1-Nrf2 pathway up-regulation via hydrogen sulfide mitigates polystyrene microplastics induced-hepatotoxic effects, Journal of Hazardous Materials, Volume 402, 2021, 123933.
- 461. Shixiu Wang, Menghong Hu, Jiahui Zheng, Wei Huang, Yueyong Shang, James Kar-Hei Fang, Huahong Shi, Youji Wang, Ingestion of nano/micro plastic particles by the mussel Mytilus coruscus is size dependent, Chemosphere, Volume 263, 2021, 127957.
- 462. Su-juan Yu, Qing-cun Li, Wan-yu Shan, Zhi-neng Hao, Peng Li, Jing-fu Liu, Heteroaggregation of different surface-modified polystyrene nanoparticles with model natural colloids, Science of The Total Environment, Volume 784, 2021, 147190.
- 463. Huiwen Cai, Mengdi Chen, Fangni Du, Sara Matthews, Huahong Shi, Separation and enrichment of nanoplastics in environmental water samples via ultracentrifugation, Water Research, Volume 203, 2021, 117509.
- 464. Rongli Sun, Kai Xu, Linling Yu, Yunqiu Pu, Fei Xiong, Yuhong He, Qingchen Huang, Mingjie Tang, Minjian Chen, Lihong Yin, Juan Zhang, Yuepu Pu, Preliminary study on impacts of polystyrene microplastics on the hematological system and gene expression in bone marrow cells of mice, Ecotoxicology and Environmental Safety, Volume 218, 2021, 112296.
- 465. Dihui Xu, Yuhan Ma, Xiaodong Han, Yabing Chen, Systematic toxicity evaluation of polystyrene nanoplastics on mice and molecular mechanism investigation about their internalization into Caco-2 cells, Journal of Hazardous Materials, Volume 417, 2021, 126092.
- 466. Xuan Li, Dong Feng, Lei Chen, Ding Weng, Chaolang Chen, Jiadao Wang, Tension gradient-driven oil/water interface rapid particle self-assembly and its application in microdroplet motion control, Journal of Colloid and Interface Science, Volume 589, 2021, Pages 187-197.
- 467. Ping Jiang, Ge-hui Yuan, Bao-rong Jiang, Jing-yi Zhang, Yu-qian Wang, Hui-jie Lv, Zhan Zhang, Jia-lin Wu, Qian Wu, Lei Li, Effects of microplastics (MPs) and tributyltin (TBT) alone and in combination on bile acids and gut microbiota crosstalk in mice, Ecotoxicology and Environmental Safety, Volume 220, 2021, 112345.
- 468. Jingyi Li, Bodong Wang, Zhihao Chen, Baiwen Ma, J.Paul Chen, Ultrafiltration membrane fouling by microplastics with raw water: Behaviors and alleviation methods, Chemical Engineering Journal, Volume 410, 2021, 128174.
- 469. Xiao Hong, Hui-min Wu, Xin-ran Zhang, Chen-jie Wei, Da-jing Chen, Xiao-jun Huang, The micro-volume liquid focusing effect in Janus membrane and its biosensing application, Journal of Colloid and Interface Science, Volume 592, 2021, Pages 22-32.
- 470. Wenwen Gong, Wei Zhang, Mengyun Jiang, Shasha Li, Gang Liang, Qingwei Bu, Li Xu, Hong Zhu, Anxiang Lu, Species-dependent response of food crops to polystyrene nanoplastics and microplastics, Science of The Total Environment, Volume 796, 2021, 148750.
- 471. Kai Wang, Jiahuan Li, Liuwei Zhao, Xiyan Mu, Chen Wang, Miao Wang, Xiaofeng Xue, Suzhen Qi, Liming Wu, Gut microbiota protects honey bees (Apis mellifera L.) against polystyrene microplastics exposure risks, Journal of Hazardous Materials, Volume 402, 2021, 123828.

- 472. Li'ang Li, Huaxin Gu, Xueqing Chang, Wei Huang, Inna M. Sokolova, Shuaishuai Wei, Li Sun, Shanglu Li, Xinghuo Wang, Menghong Hu, Jiangning Zeng, Youji Wang, Oxidative stress induced by nanoplastics in the liver of juvenile large yellow croaker Larimichthys crocea, Marine Pollution Bulletin, Volume 170, 2021, 112661.
- 473. Di Wu, Ting Wang, Jing Wang, Lijuan Jiang, Ying Yin, Hongyan Guo, Size-dependent toxic effects of polystyrene microplastic exposure on Microcystis aeruginosa growth and microcystin production, Science of The Total Environment, Volume 761, 2021, 143265.
- 474. Chaonan Zhang, Jun Wang, Aiguo Zhou, Qiao Ye, Yongyong Feng, Zhenlu Wang, Shaodan Wang, Guohuan Xu, Jixing Zou, Species-specific effect of microplastics on fish embryos and observation of toxicity kinetics in larvae, Journal of Hazardous Materials, Volume 403, 2021, 123948.
- 475. Wencong Lai, Dan Xu, Jiamin Li, Zhen Wang, Yi Ding, Xiuneng Wang, Xueshan Li, Ning Xu, Kangsen Mai, Qinghui Ai, Dietary polystyrene nanoplastics exposure alters liver lipid metabolism and muscle nutritional quality in carnivorous marine fish large yellow croaker (Larimichthys crocea), Journal of Hazardous Materials, Volume 419, 2021, 126454.
- 476. Guanghui Xu, Yang Liu, Yong Yu, Effects of polystyrene microplastics on uptake and toxicity of phenanthrene in soybean, Science of The Total Environment, Volume 783, 2021, 147016.
- 477. Kai Lyu, Cheng Cao, Da Li, Siddiq Akbar, Zhou Yang, The thermal regime modifies the response of aquatic keystone species Daphnia to microplastics: Evidence from population fitness, accumulation, histopathological analysis and candidate gene expression, Science of The Total Environment, Volume 783, 2021, 147154.
- 478. Ying Zhou, Min Ding, Wenjing Lyu, Qianna Zhen, Hong Chen, Mengdan Jiang, Yanxiang Ding, Xiaoqing Zhang, A sensitive electrochemical method for indole based on the signal amplification strategy by gold/iron-oxide composite nanoparticles, Analytica Chimica Acta, Volume 1142, 2021, Pages 56-64.

2020(49)

- 479. Zhiquan Liu, Youhui Huang, Yang Jiao, Qiang Chen, Donglei Wu, Ping Yu, Yiming Li, Mingqi Cai, Yunlong Zhao, Polystyrene nanoplastic induces ROS production and affects the MAPK-HIF-1/NFkB-mediated antioxidant system in Daphnia pulex, Aquatic Toxicology, Volume 220, 2020, 105420.
- 480. Cen Yin, Xianhai Yang, Tianyi Zhao, Peter Watson, Feifei Yang, Huihui Liu, Changes of the acute and chronic toxicity of three antimicrobial agents to Daphnia magna in the presence/absence of micro-polystyrene, Environmental Pollution, Volume 263, Part A, 2020, 114551.
- 481. Xuan Li, Lei Chen, Dong Feng, Ding Weng, Jiadao Wang, Thermally Induced, Tension-Gradient-Driven Self-Assembly of Nanoparticle Films for Superhydrophobicity and Oil-Water Separation, Cell Reports Physical Science, Volume 1, Issue 10, 2020, 100220.
- 482. Jun-Nan Huang, Bin Wen, Jian-Guo Zhu, Yan-Shen Zhang, Jian-Zhong Gao, Zai-Zhong Chen, Exposure to microplastics impairs digestive performance, stimulates immune response and induces microbiota dysbiosis in the gut of juvenile guppy (Poecilia reticulata), Science of The Total Environment, Volume 733, 2020, 138929.
- 483. Shi Mo, Babak Mehrjou, Kaiwei Tang, Huaiyu Wang, Kaifu Huo, Abdul Mateen Qasim, Guomin Wang, Paul K. Chu, Dimensional-dependent antibacterial behavior on bioactive

- micro/nano polyetheretherketone (PEEK) arrays, Chemical Engineering Journal, Volume 392, 2020, 123736.
- 484. Jiannan Ding, Yejing Huang, Shujiao Liu, Shanshan Zhang, Hua Zou, Zhenyu Wang, Wenbin Zhu, Jinju Geng, Toxicological effects of nano- and micro-polystyrene plastics on red tilapia: Are larger plastic particles more harmless?, Journal of Hazardous Materials, Volume 396, 2020, 122693.
- 485. Junchao Xu, Jun Zhang, Hongming Long, Direct observation of heterogeneous condensation on micron particles with uniform surface, Powder Technology, Volume 376, 2020, Pages 199-208.
- 486. Zekang Li, Shuxiang Zhu, Qian Liu, Jialiu Wei, Yinchuan Jin, Xifeng Wang, Lianshuang Zhang, Polystyrene microplastics cause cardiac fibrosis by activating Wnt/β-catenin signaling pathway and promoting cardiomyocyte apoptosis in rats, Environmental Pollution, Volume 265, Part A, 2020, 115025.
- 487. Zhiquan Liu, Yang Jiao, Qiang Chen, Yiming Li, Jiangtao Tian, Yinying Huang, Mingqi Cai, Donglei Wu, Yunlong Zhao, Two sigma and two mu class genes of glutathione S-transferase in the waterflea Daphnia pulex: Molecular characterization and transcriptional response to nanoplastic exposure, Chemosphere, Volume 248, 2020, 126065.
- 488. Yuting Zhao, Xiaoli Cai, Chengzhou Zhu, Haipeng Yang, Dan Du, A novel fluorescent and electrochemical dual-responsive immunosensor for sensitive and reliable detection of biomarkers based on cation-exchange reaction, Analytica Chimica Acta, Volume 1096, 2020, Pages 61-68.
- 489. Xiaoli Wu, Xueyan Lyu, Zhengyu Li, Bin Gao, Xiankui Zeng, Jichun Wu, Yuanyuan Sun, Transport of polystyrene nanoplastics in natural soils: Effect of soil properties, ionic strength and cation type, Science of The Total Environment, Volume 707, 2020, 136065.
- 490. Han Qu, Ruixue Ma, Holly Barrett, Bin Wang, Jiajun Han, Fang Wang, Pin Chen, Wei Wang, Guilong Peng, Gang Yu, How microplastics affect chiral illicit drug methamphetamine in aquatic food chain? From green alga (Chlorella pyrenoidosa) to freshwater snail (Cipangopaludian cathayensis), Environment International, Volume 136, 2020, 105480.
- 491. Run Zhang, Meng Wang, Xiaoping Chen, Changming Yang, Lingling Wu, Combined toxicity of microplastics and cadmium on the zebrafish embryos (Danio rerio), Science of The Total Environment, Volume 743, 2020, 140638.
- 492. Shuyu Wang, Minhao Liu, Jinman Wang, Jingshan Huang, Jun Wang, Polystyrene nanoplastics cause growth inhibition, morphological damage and physiological disturbance in the marine microalga Platymonas helgolandica, Marine Pollution Bulletin, Volume 158, 2020, 111403.
- 493. Thodhal Yoganandham Suman, Pan-Pan Jia, Wei-Guo Li, Muhammad Junaid, Guang-Yuan Xin, Yan Wang, De-Sheng Pei, Acute and chronic effects of polystyrene microplastics on brine shrimp: First evidence highlighting the molecular mechanism through transcriptome analysis, Journal of Hazardous Materials, Volume 400, 2020, 123220.
- 494. Wenke Yuan, Yanfei Zhou, Yuling Chen, Xiaoning Liu, Jun Wang, Toxicological effects of microplastics and heavy metals on the Daphnia magna, Science of The Total Environment, Volume 746, 2020, 141254.
- 495. Yuanchen Liao, Xiaofeng Jiang, Yao Xiao, Mei Li, Exposure of microalgae Euglena gracilis to polystyrene microbeads and cadmium: Perspective from the physiological and

- transcriptional responses, Aquatic Toxicology, Volume 228, 2020, 105650.
- 496. Yuqian Guo, Yaofeng Zhou, Sicheng Xiong, Lifeng Zeng, Xiaolin Huang, Yuankui Leng, Yonghua Xiong, Natural enzyme-free colorimetric immunoassay for human chorionic gonadotropin detection based on the Ag+-triggered catalytic activity of cetyltrimethylammonium bromide-coated gold nanoparticles, Sensors and Actuators B: Chemical, Volume 305, 2020, 127439.
- 497. Yuqi Cheng, Jun Wang, Xiaoyan Yi, Lianxu Li, Xudong Liu, Shaoguo Ru, Low microalgae availability increases the ingestion rates and potential effects of microplastics on marine copepod Pseudodiaptomus annandalei, Marine Pollution Bulletin, Volume 152, 2020, 110919.
- 498. Xiaofeng Jiang, Yeqian Chang, Tong Zhang, Yu Qiao, Göran Klobučar, Mei Li, Toxicological effects of polystyrene microplastics on earthworm (Eisenia fetida), Environmental Pollution, Volume 259, 2020, 113896.
- 499. Huaxin Gu, Shixiu Wang, Xinghuo Wang, Xiang Yu, Menghong Hu, Wei Huang, Youji Wang, Nanoplastics impair the intestinal health of the juvenile large yellow croaker Larimichthys crocea, Journal of Hazardous Materials, Volume 397, 2020, 122773.
- 500. Wenyi Zhang, Zhiquan Liu, Shengkai Tang, Daming Li, Qichen Jiang, Tongqing Zhang, Transcriptional response provides insights into the effect of chronic polystyrene nanoplastic exposure on Daphnia pulex, Chemosphere, Volume 238, 2020, 124563.
- 501. Guoliang Cao, Qiao Li, Rupeng Wang, Chengyu Wang, Xiaoguang Duan, Shih-Hsin Ho, Simultaneous separation of multiphase emulsion mixture and catalytic degradation of BPA via microalgae residue membranes, Chemical Engineering Journal, Volume 393, 2020, 124750.
- 502. Wanying Chen, Dong Yuan, Min Shan, Zhongbao Yang, Chunguang Liu, Single and combined effects of amino polystyrene and perfluorooctane sulfonate on hydrogen-producing thermophilic bacteria and the interaction mechanisms, Science of The Total Environment, Volume 703, 2020, 135015.
- 503. Zhaochuan Li, Xianliang Yi, Hao Zhou, Tongtong Chi, Wentao Li, Kaiming Yang, Combined effect of polystyrene microplastics and dibutyl phthalate on the microalgae Chlorella pyrenoidosa, Environmental Pollution, Volume 257, 2020, 113604.
- 504. Zhaochuan Li, Hao Zhou, Yang Liu, Jingjing Zhan, Wentao Li, Kaiming Yang, Xianliang Yi, Acute and chronic combined effect of polystyrene microplastics and dibutyl phthalate on the marine copepod Tigriopus japonicus, Chemosphere, Volume 261, 2020, 127711.
- 505. Huaxin Gu, Shuaishuai Wei, Menghong Hu, Huang Wei, Xinghuo Wang, Yueyong Shang, Li'ang Li, Huahong Shi, Youji Wang, Microplastics aggravate the adverse effects of BDE-47 on physiological and defense performance in mussels, Journal of Hazardous Materials, Volume 398, 2020, 122909.
- 506. Yiming Li, Zhiquan Liu, Maofeng Li, Qichen Jiang, Donglei Wu, Youhui Huang, Yang Jiao, Meng Zhang, Yunlong Zhao, Effects of nanoplastics on antioxidant and immune enzyme activities and related gene expression in juvenile Macrobrachium nipponense, Journal of Hazardous Materials, Volume 398, 2020, 122990.
- 507. Caiyun Sun, Weicheng Zhang, Runrun Ding, Jianzheng Wang, Lunguang Yao, Mechanism of low concentrations of polystyrene microplastics influence the cytotoxicity of Ag ions to Escherichia coli, Chemosphere, Volume 253, 2020, 126705.

- 508. Qiang Chen, Weiwei Lv, Yang Jiao, Zhiquan Liu, Yiming Li, Mingqi Cai, Donglei Wu, Wenzong Zhou, Yunlong Zhao, Effects of exposure to waterborne polystyrene microspheres on lipid metabolism in the hepatopancreas of juvenile redclaw crayfish, Cherax quadricarinatus, Aquatic Toxicology, Volume 224, 2020, 105497.
- 509. Shuibing Wang, Zhao Ai, Zefen Zhang, Man Tang, Nangang Zhang, Feng Liu, Gujing Han, Shao-Li Hong, Kan Liu, Simultaneous and automated detection of influenza A virus hemagglutinin H7 and H9 based on magnetism and size mediated microfluidic chip, Sensors and Actuators B: Chemical, Volume 308, 2020, 127675.
- 510. Phuping Sucharitakul, Kylie A. Pitt, David T. Welsh, Limited ingestion, rapid egestion and no detectable impacts of microbeads on the moon jellyfish, Aurelia aurita, Marine Pollution Bulletin, Volume 156, 2020, 111208.
- 511. Qiqing Chen, Yue Li, Bowen Li, Is color a matter of concern during microplastic exposure to Scenedesmus obliquus and Daphnia magna? Journal of Hazardous Materials, Volume 383, 2020, 121224.
- 512. Hua-Jin Zhao, Jian-Kang Xu, Ze-Hua Yan, Hong-Qiang Ren, Yan Zhang, Microplastics enhance the developmental toxicity of synthetic phenolic antioxidants by disturbing the thyroid function and metabolism in developing zebrafish, Environment International, Volume 140, 2020, 105750.
- 513. Yao Xiao, Xiaofeng Jiang, Yuanchen Liao, Weigao Zhao, Peng Zhao, Mei Li, Adverse physiological and molecular level effects of polystyrene microplastics on freshwater microalgae, Chemosphere, Volume 255, 2020, 126914.
- 514. Ting Zhao, Liju Tan, Xiaolin Zhu, Wenqiu Huang, Jiangtao Wang, Size-dependent oxidative stress effect of nano/micro-scaled polystyrene on Karenia mikimotoi, Marine Pollution Bulletin, Volume 154, 2020, 111074.
- 515. Mona Assas, Xuchun Qiu, Kun Chen, Hijiri Ogawa, Hai Xu, Yohei Shimasaki, Yuji Oshima, Bioaccumulation and reproductive effects of fluorescent microplastics in medaka fish, Marine Pollution Bulletin, Volume 158, 2020, 111446.
- 516. Huilin Yang, Hong Lai, Jing Huang, Liwei Sun, Jan Alexander Mennigen, Qiyu Wang, Yu Liu, Yuanxiang Jin, Wenqing Tu, Polystyrene microplastics decrease F–53B bioaccumulation but induce inflammatory stress in larval zebrafish, Chemosphere, Volume 255, 2020, 127040.
- 517. Lulu Zhang, Lingyu Sun, Zhuohao Zhang, Yu Wang, Zhengnan Yang, Cihui Liu, Zhiyang Li, Yuanjin Zhao, Bioinspired superhydrophobic surface by hierarchically colloidal assembling of microparticles and colloidal nanoparticles, Chemical Engineering Journal, Volume 394, 2020, 125008.
- 518. Xinghuo Wang, Wei Huang, Shuaishuai Wei, Yueyong Shang, Huaxin Gu, Fangzhu Wu, Zhaohui Lan, Menghong Hu, Huahong Shi, Youji Wang, Microplastics impair digestive performance but show little effects on antioxidant activity in mussels under low pH conditions, Environmental Pollution, Volume 258, 2020, 113691.
- 519. Jun-Nan Huang, Bin Wen, Liu-Jiang Meng, Xin-Xin Li, Mei-Hui Wang, Jian-Zhong Gao, Zai-Zhong Chen, Integrated response of growth, antioxidant defense and isotopic composition to microplastics in juvenile guppy (Poecilia reticulata), Journal of Hazardous Materials, Volume 399, 2020, 123044.
- 520. Wang Yan, Naima Hamid, Shun Deng, Pan-Pan Jia, De-Sheng Pei, Individual and combined toxicogenetic effects of microplastics and heavy metals (Cd, Pb, and Zn) perturb gut

- microbiota homeostasis and gonadal development in marine medaka (Oryzias melastigma), Journal of Hazardous Materials, Volume 397, 2020, 122795.
- 521. Xiang Li, Peng Yu, Xiaodong Niu, Hiroshi Yamaguchi, Decai Li, Non-contact manipulation of nonmagnetic materials by using a uniform magnetic field: Experiment and simulation, Journal of Magnetism and Magnetic Materials, Volume 497, 2020, 165957.
- 522. Yongde Xu, Yong Yang, Han Zheng, Chao Huang, Xiaoming Zhu, Yichen Zhu, Ruili Guan, Zhongcheng Xin, Zhiqiang Liu, Ye Tian, Intracavernous injection of size-specific stem cell spheroids for neurogenic erectile dysfunction: Efficacy and risk versus single cells, EBioMedicine, Volume 52, 2020, 102656.
- 523. Meng Li, Lei He, Xiangwei Zhang, Haifeng Rong, Meiping Tong, Different surface charged plastic particles have different cotransport behaviors with kaolinite ☆ particles in porous media, Environmental Pollution, Volume 267, 2020, 115534.
- 524. Qiqing Chen, Carina Lackmann, Weiye Wang, Thomas-Benjamin Seiler, Henner Hollert, Huahong Shi, Microplastics Lead to Hyperactive Swimming Behaviour in Adult Zebrafish, Aquatic Toxicology, Volume 224, 2020, 105521.
- 525. Zhiquan Liu, Mingqi Cai, Donglei Wu, Ping Yu, Yang Jiao, Qichen Jiang, Yunlong Zhao, Effects of nanoplastics at predicted environmental concentration on Daphnia pulex after exposure through multiple generations, Environmental Pollution, Volume 256, 2020, 113506.
- 526. Jianlong Ji, Jingjing Zhang, Jingxiao Wang, Qing Huang, Xiaoning Jiang, Wendong Zhang, Shengbo Sang, Xiaoliang Guo, Shanshan Li, Three-dimensional analyses of cells' positioning on the quadrupole-electrode microfluid chip considering the coupling effect of nDEP, ACEO, and ETF, Biosensors and Bioelectronics, Volume 165, 2020, 112398.
- 527. Xiangxiang Liu, Bingyin Jiang, Xing Yin, Hongyang Ma, Benjamin S. Hsiao, Highly permeable nanofibrous composite microfiltration membranes for removal of nanoparticles and heavy metal ions, Separation and Purification Technology, Volume 233, 2020, 115976.

2019(29)

- 528. Ying Li, Huixia Han, Yingdi Wu, Chuanfeng Yu, Chunnian Ren, Xiaoru Zhang, Telomere elongation-based DNA-Catalytic amplification strategy for sensitive SERS detection of telomerase activity, Biosensors and Bioelectronics, Volume 142, 2019, 111543.
- 529. Ya-Juan Yang, Ying Zhou, Yang Xing, Guo-Mei Zhang, Yan Zhang, Cai-Hong Zhang, Peng Lei, Chuan Dong, Xu Deng, Yujian He, Shao-min Shuang, A Label-free aptasensor based on Aptamer/NH2 Janus particles for ultrasensitive electrochemical detection of Ochratoxin A, Talanta, Volume 199, 2019, Pages 310-316.
- 530. Jinghong Tang, Xuan Wang, Jun Yin, Yiran Han, Jian Yang, Xiaoyu Lu, Tianchen Xie, Siddiq Akbar, Kai Lyu, Zhou Yang, Molecular characterization of thioredoxin reductase in waterflea Daphnia magna and its expression regulation by polystyrene microplastics, Aquatic Toxicology, Volume 208, 2019, Pages 90-97.
- 531. Ruxia Qiao, Kai Lu, Yongfeng Deng, Hongqiang Ren, Yan Zhang, Combined effects of polystyrene microplastics and natural organic matter on the accumulation and toxicity of copper in zebrafish, Science of The Total Environment, Volume 682, 2019, Pages 128-137.
- 532. Yaxing Zhang, Xiyue Cao, Ruixue Deng, Qingyun Liu, Jianfei Xia, Zonghua Wang, DNA synergistic enzyme-mediated cascade reaction for homogeneous electrochemical bioassay, Biosensors and Bioelectronics, Volume 142, 2019, 111510.

- 533. Ruxia Qiao, Yongfeng Deng, Shenghu Zhang, Marina Borri Wolosker, Qiande Zhu, Hongqiang Ren, Yan Zhang, Accumulation of different shapes of microplastics initiates intestinal injury and gut microbiota dysbiosis in the gut of zebrafish, Chemosphere, Volume 236, 2019, 124334.
- 534. Xiaoyu Hua, Enfen Yang, Danyang Zhang, Yu Shen, Jianmin Zhao, Wenju Xu, Proximity binding-induced DNA assembly as signal translator and enzyme-catalyzed cleavage recycle as signal amplifier for highly sensitive electrochemical assay of target DNA, Sensors and Actuators B: Chemical, Volume 281, 2019, Pages 864-870.
- 535. Zhiquan Liu, Ping Yu, Mingqi Cai, Donglei Wu, Meng Zhang, Minghai Chen, Yunlong Zhao, Effects of microplastics on the innate immunity and intestinal microflora of juvenile Eriocheir sinensis, Science of The Total Environment, Volume 685, 2019, Pages 836-846.
- 536. Yanke Shan, Bin Wang, Huachuan Huang, Dan Jian, Xuping Wu, Liang Xue, Shouyu Wang, Fei Liu, On-site quantitative Hg2+ measurements based on selective and sensitive fluorescence biosensor and miniaturized smartphone fluorescence microscope, Biosensors and Bioelectronics, Volume 132, 2019, Pages 238-247.
- 537. Zhiquan Liu, Ping Yu, Mingqi Cai, Donglei Wu, Meng Zhang, Youhui Huang, Yunlong Zhao, Polystyrene nanoplastic exposure induces immobilization, reproduction, and stress defense in the freshwater cladoceran Daphnia pulex, Chemosphere, Volume 215, 2019, Pages 74-81.
- 538. Chunyuan Tian, Li Wang, Feng Luan, Xuming Zhuang, An electrochemiluminescence sensor for the detection of prostate protein antigen based on the graphene quantum dots infilled TiO2 nanotube arrays, Talanta, Volume 191, 2019, Pages 103-108.
- 539. Jun Wang, Yuejiao Li, Lin Lu, Mingyi Zheng, Xiaona Zhang, Hua Tian, Wei Wang, Shaoguo Ru, Polystyrene microplastics cause tissue damages, sex-specific reproductive disruption and transgenerational effects in marine medaka (Oryzias melastigma), Environmental Pollution, Volume 254, Part B, 2019, 113024.
- 540. Fengchun Zhao, Yuan Tian, Qiang Shen, Ruxia Liu, Ruirui Shi, Huimin Wang, Zhengyou Yang, A novel nanobody and mimotope based immunoassay for rapid analysis of aflatoxin B1, Talanta, Volume 195, 2019, Pages 55-61.
- 541. Jianmei Yang, Xiaotong Huang, Chunfang Gan, Ruo Yuan, Yun Xiang, Highly specific and sensitive point-of-care detection of rare circulating tumor cells in whole blood via a dual recognition strategy, Biosensors and Bioelectronics, Volume 143, 2019, 111604.
- 542. Chi Zhang, Zhanfang Ma, PtCu nanoprobe-initiated cascade reaction modulated iodide-responsive sensing interface for improved electrochemical immunosensor of neuron-specific enolase, Biosensors and Bioelectronics, Volume 143, 2019, 111612.
- 543. Lingzhan Miao, Jun Hou, Guoxiang You, Zhilin Liu, Songqi Liu, Tengfei Li, Yujuan Mo, Song Guo, Hao Qu, Acute effects of nanoplastics and microplastics on periphytic biofilms depending on particle size, concentration and surface modification, Environmental Pollution, Volume 255, Part 2, 2019, 113300.
- 544. Ting Gong, Xu Song, Liuqing Yang, Tijia Chen, Ting Zhao, Tao Zheng, Xun Sun, Tao Gong, Zhirong Zhang, Spontaneously formed porous structure and M1 polarization effect of Fe3O4 nanoparticles for enhanced antitumor therapy, International Journal of Pharmaceutics, Volume 559, 2019, Pages 329-340.
- 545. Mei Zhang, Lin Lin, Shaoxin Li, Lan Liang, Xing Wu, Transmission model and characteristics of focused laser beam in turbid phantom verified by numerical simulation and beam profile

- analysis, Optik, Volume 178, 2019, Pages 1313-1317.
- 546. Yanting Jiao, Fukui Shen, Zhihua Wang, Lili Ye, Man Zhang, Jie Gao, Yuanyuan Hou, Gang Bai, Genipin, a natural AKT inhibitor, targets the PH domain to affect downstream signaling and alleviates inflammation, Biochemical Pharmacology, Volume 170, 2019, 113660.
- 547. Meng Wang, Haibin Wu, Mingyue Duan, Ying Yang, Guoxia Wang, Fengyu Che, Bailing Liu, Wei He, Qiao Li, Liyu Zhang, SS30, a novel thioaptamer targeting CD123, inhibits the growth of acute myeloid leukemia cells, Life Sciences, Volume 232, 2019, 116663.
- 548. Dong Feng, Ding Weng, Jiadao Wang, Interfacial tension gradient driven self-assembly of binary colloidal particles for fabrication of superhydrophobic porous films, Journal of Colloid and Interface Science, Volume 548, 2019, Pages 312-321.
- 549. Shuang Yin, Zhanfang Ma, "Smart" sensing interface for the improvement of electrochemical immunosensor based on enzyme-Fenton reaction triggered destruction of Fe3+ cross-linked alginate hydrogel, Sensors and Actuators B: Chemical, Volume 281, 2019, Pages 857-863.
- 550. Sujuan Yu, Mohai Shen, Shasha Li, Yueju Fu, Dan Zhang, Huayi Liu, Jingfu Liu, Aggregation kinetics of different surface-modified polystyrene nanoparticles in monovalent and divalent electrolytes, Environmental Pollution, Volume 255, Part 2, 2019, 113302.
- 551. Liping Luan, Xiao Wang, Hao Zheng, Liuqingqing Liu, Xianxiang Luo, Fengmin Li, Differential toxicity of functionalized polystyrene microplastics to clams (Meretrix meretrix) at three key development stages of life history, Marine Pollution Bulletin, Volume 139, 2019, Pages 346-354.
- 552. Yuan Zhang, Yue Wang, Syed Faheem Askari Rizvi, Yida Zhang, Yintang Zhang, Xiaoyan Liu, Haixia Zhang, Detection of DNA 3'-phosphatase activity based on exonuclease III-assisted cascade recycling amplification reaction, Talanta, Volume 204, 2019, Pages 499-506.
- 553. Ying Ou, Xin Jin, Jing Liu, Yaping Tian, Nandi Zhou, Visual detection of kanamycin with DNA-functionalized gold nanoparticles probe in aptamer-based strip biosensor, Analytical Biochemistry, Volume 587, 2019, 113432.
- 554. Ruxia Qiao, Cheng Sheng, Yifeng Lu, Yan Zhang, Hongqiang Ren, Bernardo Lemos, Microplastics induce intestinal inflammation, oxidative stress, and disorders of metabolome and microbiome in zebrafish, Science of The Total Environment, Volume 662, 2019, Pages 246-253.
- 555. Donglei Wu, Zhiquan Liu, Mingqi Cai, Yang Jiao, Yiming Li, Qiang Chen, Yunlong Zhao, Molecular characterisation of cytochrome P450 enzymes in waterflea (Daphnia pulex) and their expression regulation by polystyrene nanoplastics, Aquatic Toxicology, Volume 217, 2019, 105350.
- 556. Xiaofeng Jiang, Hao Chen, Yuanchen Liao, Ziqi Ye, Mei Li, Göran Klobučar, Ecotoxicity and genotoxicity of polystyrene microplastics on higher plant Vicia faba, Environmental Pollution, Volume 250, 2019, Pages 831-838.

2018(25)

- 557. Yaxing Zhang, Jianfei Xia, Feifei Zhang, Zonghua Wang, Qingyun Liu, Ultrasensitive label-free homogeneous electrochemical aptasensor based on sandwich structure for thrombin detection, Sensors and Actuators B: Chemical, Volume 267, 2018, Pages 412-418.
- 558. Zule Cheng, Kun Wang, Zhenhua Wu, Lin Zhou, Zhishuo Wang, Yanan Bai, Jianlong Zhao, Hongju Mao, Low-cost quantitative detection of nucleic acid using microbeads and

- microcolumn array chip, Sensors and Actuators B: Chemical, Volume 258, 2018, Pages 1302-1308.
- 559. Kun Wang, Lin Zhou, Zhishuo Wang, Zule Cheng, Haidao Dong, Zhenhua Wu, Yanan Bai, Qinghui Jin, Hongju Mao, Jianlong Zhao, Uniform distribution of microspheres based on pressure difference for carcinoma-embryonic antigen detection, Sensors and Actuators B: Chemical, Volume 258, 2018, Pages 558-565.
- 560. Yongfeng Deng, Yan Zhang, Ruxia Qiao, Melvin M. Bonilla, Xiaoliang Yang, Hongqiang Ren, Bernardo Lemos, Evidence that microplastics aggravate the toxicity of organophosphorus flame retardants in mice (Mus musculus), Journal of Hazardous Materials, Volume 357, 2018, Pages 348-354.
- 561. Ping Yu, Zhiquan Liu, Donglei Wu, Minghai Chen, Weiwei Lv, Yunlong Zhao, Accumulation of polystyrene microplastics in juvenile Eriocheir sinensis and oxidative stress effects in the liver, Aquatic Toxicology, Volume 200, 2018, Pages 28-36.
- 562. Juncai Zhao, Zhanfang Ma, Ultrasensitive detection of prostate specific antigen by electrochemical aptasensor using enzyme-free recycling amplification via target-induced catalytic hairpin assembly, Biosensors and Bioelectronics, Volume 102, 2018, Pages 316-320.
- 563. Bin Wen, Nan Zhang, Shi-Rong Jin, Zai-Zhong Chen, Jian-Zhong Gao, Ying Liu, Han-Peng Liu, Zhe Xu, Microplastics have a more profound impact than elevated temperatures on the predatory performance, digestion and energy metabolism of an Amazonian cichlid, Aquatic Toxicology, Volume 195, 2018, Pages 67-76.
- 564. Cuixia Guo, Yiling Hu, Chunyu Yang, Ankanahalli N. Nanjaraj Urs, Yan Zhang, Developing a colorimetric assay for Fe(II)/2-oxoglutarate-dependent dioxygenase, Analytical Biochemistry, Volume 548, 2018, Pages 109-114.
- 565. Guifen Jie, Junjun Ge, Xiaoshan Gao, Chunli Li, Amplified electrochemiluminescence detection of CEA based on magnetic Fe3O4@Au nanoparticles-assembled Ru@SiO2 nanocomposites combined with multiple cycling amplification strategy, Biosensors and Bioelectronics, Volume 118, 2018, Pages 115-121.
- 566. Xingwei Liu, Chenguang Zhang, Shaowen Liu, Yan Xiong, Efficiency enhancement of DSSC by alternating TiO2 active layer, Optik, Volume 160, 2018, Pages 277-282.
- 567. Ting Yang, Xiao-Xiao Zhang, Jian-Yu Yang, Yi-Ting Wang, Ming-Li Chen, Screening arsenic(III)-binding peptide for colorimetric detection of arsenic(III) based on the peptide induced aggregation of gold nanoparticles, Talanta, Volume 177, 2018, Pages 212-216.
- 568. Junlin Wen, Shungui Zhou, Zhen Yu, Junhua Chen, Guiqin Yang, Jia Tang, Decomposable quantum-dots/DNA nanosphere for rapid and ultrasensitive detection of extracellular respiring bacteria, Biosensors and Bioelectronics, Volume 100, 2018, Pages 469-474.
- 569. Jianmin Zhao, Jiaxi Gao, Ting Zheng, Zhehan Yang, Yaqin Chai, Shihong Chen, Ruo Yuan, Wenju Xu, Highly sensitive electrochemical assay for Nosema bombycis gene DNA PTP1 via conformational switch of DNA nanostructures regulated by H+ from LAMP, Biosensors and Bioelectronics, Volume 106, 2018, Pages 186-192.
- 570. Jianmin Zhao, Ting Zheng, Jiaxi Gao, Wenju Xu, Toehold-mediated strand displacement reaction triggered by nicked DNAzymes substrate for amplified electrochemical detection of lead ion, Electrochimica Acta, Volume 274, 2018, Pages 16-22.
- 571. Zhiquan Liu, Mingqi Cai, Ping Yu, Minghai Chen, Donglei Wu, Meng Zhang, Yunlong Zhao, Age-dependent survival, stress defense, and AMPK in Daphnia pulex after short-term

- exposure to a polystyrene nanoplastic, Aquatic Toxicology, Volume 204, 2018, Pages 1-8.
- 572. Yi Tao, Surun Huang, Xianghui Gu, Weidong Li, Baochang Cai, Towards the identification of alkaline phosphatase binding ligands in Li-Dan-Hua-Shi pills: A Box-Behnken design optimized affinity selection approach tandem with UHPLC-Q-TOF/MS analysis, Journal of Pharmaceutical and Biomedical Analysis, Volume 154, 2018, Pages 486-491.
- 573. Fengmin Li, Fuyun Li, Xiaodong Hou, Xianxiang Luo, Haifeng Tu, Yadan Zou, Cuizhu Sun, Mei Shi, Hao Zheng, Comparison of six digestion methods on fluorescent intensity and morphology of the fluorescent polystyrene beads, Marine Pollution Bulletin, Volume 131, Part A, 2018, Pages 515-524.
- 574. Haihua Wang, Mengjie Li, Yingning Zheng, Tao Hu, Yaqin Chai, Ruo Yuan, An ultrasensitive photoelectrochemical biosensor based on [Ru(dcbpy)2dppz]2+/Rose Bengal dyes co-sensitized fullerene for DNA detection, Biosensors and Bioelectronics, Volume 120, 2018, Pages 71-76.
- 575. Shunbi Xie, Ying Tang, Dianyong Tang, Converting pyrophosphate generated during loop mediated isothermal amplification to ATP: Application to electrochemical detection of Nosema bombycis genomic DNA PTP1, Biosensors and Bioelectronics, Volume 102, 2018, Pages 518-524.
- 576. Yaxing Zhang, Jianfei Xia, Feifei Zhang, Zonghua Wang, Qingyun Liu, A dual-channel homogeneous aptasensor combining colorimetric with electrochemical strategy for thrombin, Biosensors and Bioelectronics, Volume 120, 2018, Pages 15-21.
- 577. Xiaoling Fu, Yangyang Liu, Ruiyun Qiu, Mohamed F. Foda, Yong Zhang, Tao Wang, Jinshan Li, The fabrication of magnetic particle-based chemiluminescence immunoassay for human epididymis protein-4 detection in ovarian cancer, Biochemistry and Biophysics Reports, Volume 13, 2018, Pages 73-77.
- 578. Zhixia Huo, Qianhong Wan, Lei Chen, Synthesis and evaluation of porous polymethylsilsesquioxane microspheres as low silanol activity chromatographic stationary phase for basic compound separation, Journal of Chromatography A, Volume 1553, 2018, Pages 90-100.
- 579. Kai Lu, Ruxia Qiao, Hao An, Yan Zhang, Influence of microplastics on the accumulation and chronic toxic effects of cadmium in zebrafish (Danio rerio), Chemosphere, Volume 202, 2018, Pages 514-520.
- 580. Bin Wen, Shi-Rong Jin, Zai-Zhong Chen, Jian-Zhong Gao, Yi-Nan Liu, Jun-Heng Liu, Xiao-Sa Feng, Single and combined effects of microplastics and cadmium on the cadmium accumulation, antioxidant defence and innate immunity of the discus fish (Symphysodon aequifasciatus), Environmental Pollution, Volume 243, Part A, 2018, Pages 462-471.
- 581. Yi Tao, Xianghui Gu, Weidong Li, Baochang Cai, Fabrication and evaluation of magnetic phosphodiesterase-5 linked nanoparticles as adsorbent for magnetic dispersive solid-phase extraction of inhibitors from Chinese herbal medicine prior to ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry analysis, Journal of Chromatography A, Volume 1532, 2018, Pages 58-67.

582. Wei Cai, Shunbi Xie, Ying Tang, Yaqin Chai, Ruo Yuan, Jin Zhang, A label-free electrochemical biosensor for microRNA detection based on catalytic hairpin assembly and in situ formation

- of molybdophosphate, Talanta, Volume 163, 2017, Pages 65-71.
- 583. Yutao Zhang, Yimin Xuan, Preparation of structured surfaces for full-spectrum photon management in photovoltaic-thermoelectric systems, Solar Energy Materials and Solar Cells, Volume 169, 2017, Pages 47-55.
- 584. Xingcan Li, Junming Zhao, Linhua Liu, Lin Zhang, Optical extinction characteristics of three biofuel producing microalgae determined by an improved transmission method, Particuology, Volume 33, 2017, Pages 1-10.
- 585. Fengchun Zhao, Qiang Shen, Huimin Wang, Xiao Han, Zhengyou Yang, Development of a rapid magnetic bead-based immunoassay for sensitive detection of zearalenone, Food Control, Volume 79, 2017, Pages 227-233.
- 586. Kai Wang, Yanhua Dong, Bingyu Li, Dongyang Li, Sichun Zhang, Yayan Wu, Differentiation of proteins and cancer cells using metal oxide and metal nanoparticles-quantum dots sensor array, Sensors and Actuators B: Chemical, Volume 250, 2017, Pages 69-75.
- 587. Shuzhen Yue, Tingting Zhao, Sai Bi, Zhipeng Zhang, Programmable strand displacement-based magnetic separation for simultaneous amplified detection of multiplex microRNAs by chemiluminescence imaging array, Biosensors and Bioelectronics, Volume 98, 2017, Pages 234-239.
- 588. Wenbo Sun, Weiling Song, Xiaoyan Guo, Zonghua Wang, Ultrasensitive detection of nucleic acids and proteins using quartz crystal microbalance and surface plasmon resonance sensors based on target-triggering multiple signal amplification strategy, Analytica Chimica Acta, Volume 978, 2017, Pages 42-47.
- 589. Jing Shen, Hongyang Wang, Chunxiang Li, Yanyan Zhao, Xijuan Yu, Xiliang Luo, Label-free electrochemical aptasensor for adenosine detection based on cascade signal amplification strategy, Biosensors and Bioelectronics, Volume 90, 2017, Pages 356-362.
- 590. Xiaoting Ji, Bingqing Yi, Yujuan Xu, Yanan Zhao, Hua Zhong, Caifeng Ding, A novel fluorescent biosensor for Adenosine Triphosphate detection based on the polydopamine nanospheres integrating with enzymatic recycling amplification, Talanta, Volume 169, 2017, Pages 8-12.
- 591. Yanping Bi, Deli Xiao, Shuai Ren, Shuyan Bi, Jianzhu Wang, Fei Li, The Binary System of Ibuprofen-Nicotinamide Under Nanoscale Confinement: From Cocrystal to Coamorphous State, Journal of Pharmaceutical Sciences, Volume 106, Issue 10, 2017, Pages 3150-3155.

2016(8)

- 592. Meiju Niu, Yujie Wang, Shuang Li, Yingshu Guo, Electrochemiluminescence detection of cancer cell based on an electrode surface-related "one-pot" cascade DNA auto-machine, Sensors and Actuators B: Chemical, Volume 223, 2016, Pages 359-364.
- 593. Daoqing Fan, Qingfeng Zhai, Weijun Zhou, Xiaoqing Zhu, Erkang Wang, Shaojun Dong, A label-free colorimetric aptasensor for simple, sensitive and selective detection of Pt (II) based on platinum (II)-oligonucleotide coordination induced gold nanoparticles aggregation, Biosensors and Bioelectronics, Volume 85, 2016, Pages 771-776.
- 594. Xiaoxiao Ge, Aidong Zhang, Yuehe Lin, Dan Du, Simultaneous immunoassay of phosphorylated proteins based on apoferritin templated metallic phosphates as voltammetrically distinguishable signal reporters, Biosensors and Bioelectronics, Volume 80, 2016, Pages 201-207.
- 595. Long Wu, Wenmin Yin, Kun Tang, Kang Shao, Qin Li, Pan Wang, Yunpeng Zuo, Xiaomin Lei,

- Zhicheng Lu, Heyou Han, Highly sensitive enzyme-free immunosorbent assay for porcine circovirus type 2 antibody using Au-Pt/SiO2 nanocomposites as labels, Biosensors and Bioelectronics, Volume 82, 2016, Pages 177-184.
- 596. Yanping Bi, Chaonan Wu, Ming Xin, Shuyan Bi, Chengxin Yan, Jifu Hao, Fei Li, Shou Li, Facile large-scale preparation of mesoporous silica microspheres with the assistance of sucrose and their drug loading and releasing properties, International Journal of Pharmaceutics, Volume 500, Issues 1–2, 2016, Pages 77-84.
- 597. Qin Wang, Xianxue Gan, Ruhua Zang, Yaqin Chai, Yali Yuan, Ruo Yuan, An amplified electrochemical proximity immunoassay for the total protein of Nosema bombycis based on the catalytic activity of Fe3O4NPs towards methylene blue, Biosensors and Bioelectronics, Volume 81, 2016, Pages 382-387.
- 598. Yingxia Zong, Fang Liu, Yue Zhang, Tianrong Zhan, Yunhua He, Xu Hun, Signal amplification technology based on entropy-driven molecular switch for ultrasensitive electrochemical determination of DNA and Salmonella typhimurium, Sensors and Actuators B: Chemical, Volume 225, 2016, Pages 420-427.
- 599. Yini Ma, Anna Huang, Siqi Cao, Feifei Sun, Lianhong Wang, Hongyan Guo, Rong Ji, Effects of nanoplastics and microplastics on toxicity, bioaccumulation, and environmental fate of phenanthrene in fresh water, Environmental Pollution, Volume 219, 2016, Pages 166-173.

- 600. Yuting Jiang, Qian-Hong Wan, Separation and identification of oligomeric phenylethoxysiloxanols by liquid chromatography-electrospray ionization mass spectrometry, Journal of Chromatography A, Volume 1394, 2015, Pages 95-102.
- 601. Liang Hao, Dapeng Wu, Kun Ding, Hu Meng, Xiaohui Yan, Yafeng Guan, Filtration efficiency validation of glass wool during thermal desorption—gas chromatography—mass spectrometer analysis of fine atmospheric particles, Journal of Chromatography A, Volume 1380, 2015, Pages 171-176.
- 602. Yuting Zhao, Dan Du, Yuehe Lin, Glucose encapsulating liposome for signal amplification for quantitative detection of biomarkers with glucometer readout, Biosensors and Bioelectronics, Volume 72, 2015, Pages 348-354.
- 603. Sai Bi, Zhipeng Zhang, Ying Dong, Zonghua Wang, Chemiluminescence resonance energy transfer imaging on magnetic particles for single-nucleotide polymorphism detection based on ligation chain reaction, Biosensors and Bioelectronics, Volume 65, 2015, Pages 139-144.
- 604. Xue-Mei Li, Jie Luo, Ning-Bo Zhang, Qing-Li Wei, Nucleic acid quantification using nicking–displacement, rolling circle amplification and bio-bar-code mediated triple-amplification, Analytica Chimica Acta, Volume 881, 2015, Pages 117-123.
- 605. Noof A. Alenazi, Jeffrey M. Manthorpe, Edward P.C. Lai, Selective extraction of BPA in milk analysis by capillary electrophoresis using a chemically modified molecularly imprinted polymer, Food Control, Volume 50, 2015, Pages 778-783.
- 606. Yingchun Wu, Feng Nie, Caspase-1 assay based on peptide and luminol labeled gold nanoparticle as chemiluminescence probe coupling magnetic separation technology, Sensors and Actuators B: Chemical, Volume 220, 2015, Pages 481-484.
- 607. Xian-Hua Wang, Li-Fu Xie, Qian Dong, Hao-Long Liu, Yan-Ping Huang, Zhao-Sheng Liu, Synthesis of monodisperse molecularly imprinted microspheres with multi-recognition

- ability via precipitation polymerization for the selective extraction of cyromazine, melamine, triamterene and trimethoprim, Journal of Chromatography B, Volume 1007, 2015, Pages 127-131.
- 608. Xiaoru Zhang, Jiao Chen, Hongxia Liu, Shusheng Zhang, Quartz crystal microbalance detection of protein amplified by nicked circling, rolling circle amplification and biocatalytic precipitation, Biosensors and Bioelectronics, Volume 65, 2015, Pages 341-345.
- 609. Guiying Jia, Qian-Hong Wan, Separation and identification of oligomeric vinylmethoxysiloxanes by gradient elution chromatography coupled with electrospray ionization mass spectrometry, Journal of Chromatography A, Volume 1395, 2015, Pages 129-135.

- 610. Hongxia Chen, Yafei Hou, Fangjie Qi, Jiangjiang Zhang, Kwangnak Koh, Zhongming Shen, Genxi Li, Detection of vascular endothelial growth factor based on rolling circle amplification as a means of signal enhancement in surface plasmon resonance, Biosensors and Bioelectronics, Volume 61, 2014, Pages 83-87.
- 611. Shurong Tang, Wei Lu, Fang Gu, Ping Tong, Zhiming Yan, Lan Zhang, A novel electrochemical sensor for lead ion based on cascade DNA and quantum dots amplification, Electrochimica Acta, Volume 134, 2014, Pages 1-7.
- 612. Guifen Jie, Jian Zhang, Guixia Jie, Lei Wang, A novel quantum dot nanocluster as versatile probe for electrochemiluminescence and electrochemical assays of DNA and cancer cells, Biosensors and Bioelectronics, Volume 52, 2014, Pages 69-75.
- 613. Sai Bi, Tingting Zhao, Xiaoqiang Jia, Peng He, Magnetic graphene oxide-supported hemin as peroxidase probe for sensitive detection of thiols in extracts of cancer cells, Biosensors and Bioelectronics, Volume 57, 2014, Pages 110-116.
- 614. Chuan Du, Jiadao Wang, Zhifu Chen, Darong Chen, Durable superhydrophobic and superoleophilic filter paper for oil—water separation prepared by a colloidal deposition method, Applied Surface Science, Volume 313, 2014, Pages 304-310.
- 615. Xiu Kong, Xingli Diao, Qian-Hong Wan, Separation and identification of an oligomeric light stabilizer Chimassorb 944 by gradient elution chromatography coupled with matrix-assisted laser desorption/ionization mass spectrometry, Journal of Chromatography A, Volume 1364, 2014, Pages 198-203.
- 616. Sai Bi, Yangyang Cui, Ying Dong, Ningbo Zhang, Target-induced self-assembly of DNA nanomachine on magnetic particle for multi-amplified biosensing of nucleic acid, protein, and cancer cell, Biosensors and Bioelectronics, Volume 53, 2014, Pages 207-213.
- 617. Weiling Song, Qiao Zhang, Xuxu Xie, Shusheng Zhang, Fluorescence aptameric sensor for isothermal circular strand-displacement polymerization amplification detection of adenosine triphosphate, Biosensors and Bioelectronics, Volume 61, 2014, Pages 51-56.
- 618. Xu Hun, Yaqiong Xu, Chao Chen, DNA-based hybridization chain reaction for signal amplification and ultrasensitive chemiluminescence detection of gibberellic acid, Sensors and Actuators B: Chemical, Volume 202, 2014, Pages 594-599.
- 619. Jun Hu, Cong-Ying Wen, Zhi-Ling Zhang, Min Xie, Hai-Yan Xie, Dai-Wen Pang, Recognition Kinetics of Biomolecules at the Surface of Different-Sized Spheres, Biophysical Journal, Volume 107, Issue 1, 2014, Pages 165-173.

- 620. Jun Wan, XiuJu Ma, Ling Xing, Highly sensitive fluorescence detection of mercury (II) ions based on DNA machine amplification, Sensors and Actuators B: Chemical, Volume 178, 2013, Pages 615-620.
- 621. Shurong Tang, Ping Tong, Heng Li, Jing Tang, Lan Zhang, Ultrasensitive electrochemical detection of Pb2+ based on rolling circle amplification and quantum dotstagging, Biosensors and Bioelectronics, Volume 42, 2013, Pages 608-611.
- 622. Xu Hun, Fang Liu, Zhenhua Mei, Lifeng Ma, Zhouping Wang, Xiliang Luo, Signal amplified strategy based on target-induced strand release coupling cleavage of nicking endonuclease for the ultrasensitive detection of ochratoxin A, Biosensors and Bioelectronics, Volume 39, Issue 1, 2013, Pages 145-151.
- 623. Yan Yang, Jiawan Zhou, Yunsong Zhang, Qiong Zou, Xiaohua Zhang, Jinhua Chen, Sensitive electrochemical detection of hydroxyl radical based on MBs–DNA–AgNPs nanocomposite, Sensors and Actuators B: Chemical, Volume 182, 2013, Pages 504-509.
- 624. Yanhua Zhao, Weiqi Luo, Pushpinder Kanda, Hanwen Cheng, Yuanyuan Chen, Suiping Wang, Shuangyan Huan, Silver deposited polystyrene (PS) microspheres for surface-enhanced Raman spectroscopic-encoding and rapid label-free detection of melamine in milk powder, Talanta, Volume 113, 2013, Pages 7-13.
- 625. Xin Hua, Zhenxian Zhou, Liang Yuan, Songqin Liu, Selective collection and detection of MCF-7 breast cancer cells using aptamer-functionalized magnetic beads and quantum dots based nano-bio-probes, Analytica Chimica Acta, Volume 788, 2013, Pages 135-140.
- 626. Fen-Ying Kong, Bi-Yi Xu, Jing-Juan Xu, Hong-Yuan Chen, Simultaneous electrochemical immunoassay using CdS/DNA and PbS/DNA nanochains as labels, Biosensors and Bioelectronics, Volume 39, Issue 1, 2013, Pages 177-182.
- 627. Qian Wu, Dapeng Wu, Zheng Shen, Chunfeng Duan, Yafeng Guan, Quantification of endogenous brassinosteroids in plant by on-line two-dimensional microscale solid phase extraction-on column derivatization coupled with high performance liquid chromatography—tandem mass spectrometry, Journal of Chromatography A, Volume 1297, 2013, Pages 56-63.
- 628. Xiao Zhang, Hongbo Wang, Chunming Yang, Dan Du, Yuehe Lin, Preparation, characterization of Fe3O4 at TiO2 magnetic nanoparticles and their application for immunoassay of biomarker of exposure to organophosphorus pesticides, Biosensors and Bioelectronics, Volume 41, 2013, Pages 669-674.
- 629. Shaoping Lv, Yong Guan, Dong Wang, Yifeng Du, Aptamer based strategy for cytosensing and evaluation of HER-3 on the surface of MCF-7 cells by using the signal amplification of nucleic acid-functionalized nanocrystals, Analytica Chimica Acta, Volume 772, 2013, Pages 26-32.

2012(8)

- 630. Ping Tong, Wei-Wei Zhao, Lan Zhang, Jing-Juan Xu, Hong-Yuan Chen, Double-probe signal enhancing strategy for toxin aptasensing based on rolling circle amplification, Biosensors and Bioelectronics, Volume 33, Issue 1, 2012, Pages 146-151.
- 631. Yu Wang, Yuxia Wang, Lei Chen, Qian-Hong Wan, Restricted access magnetic materials prepared by dual surface modification for selective extraction of therapeutic drugs from

- biological fluids, Journal of Magnetism and Magnetic Materials, Volume 324, Issue 4, 2012, Pages 410-417.
- 632. Xiaoling Fu, Meng Meng, Yu Zhang, Yongmei Yin, Xiangsheng Zhang, Rimo Xi, Chemiluminescence enzyme immunoassay using magnetic nanoparticles for detection of neuron specific enolase in human serum, Analytica Chimica Acta, Volume 722, 2012, Pages 114-118.
- 633. J. Du, Z. Wei, Y. Tang, Numerical Simulation and Experimental Study on Resist Filling Behavior in UV-nanoimprint Lithography, Procedia CIRP, Volume 3, 2012, Pages 203-208.
- 634. Xu Hun, Zhenghua Mei, Zhouping Wang, Yunhua He, Indole-3-acetic acid biosensor based on G-rich DNA labeled AuNPs as chemiluminescence probe coupling the DNA signal amplification, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 95, 2012, Pages 114-119.
- 635. Jing Xu, Weiwei Yin, Yuanyang Zhang, Jian Yi, Meng Meng, Yabin Wang, Huyin Xue, Taichang Zhang, Rimo Xi, Establishment of magnetic beads-based enzyme immunoassay for detection of chloramphenicol in milk, Food Chemistry, Volume 134, Issue 4, 2012, Pages 2526-2531.
- 636. Caifeng Ding, Qian Zheng, Nannan Wang, Qifeng Yue, An electrochemiluminescence strategy based on aptamers and nanoparticles for the detection of cancer cells, Analytica Chimica Acta, Volume 756, 2012, Pages 73-78.
- 637. Jinfang Nie, Yun Zhang, Hua Wang, Shiping Wang, Guoli Shen, Superhydrophobic surface-based magnetic electrochemical immunoassay for detection of Schistosoma japonicum antibodies, Biosensors and Bioelectronics, Volume 33, Issue 1, 2012, Pages 23-28.

2011(12)

- 638. Bingbo Zhang, Bingdi Chen, Yilong Wang, Fangfang Guo, Zhuoquan Li, Donglu Shi, Preparation of highly fluorescent magnetic nanoparticles for analytes-enrichment and subsequent biodetection, Journal of Colloid and Interface Science, Volume 353, Issue 2, 2011, Pages 426-432.
- 639. Lingling Qiao, Fei He, Chen Wang, Yang Liao, Ya Cheng, Koji Sugioka, Katsumi Midorikawa, Change Pan, Xunbin Wei, Fabrication of a micro-optical lens using femtosecond laser 3D micromachining for two-photon imaging of bio-tissues, Optics Communications, Volume 284, Issue 12, 2011, Pages 2988-2991.
- 640. Jianquan Zhao, Peng Wan, Jing Xiang, Tong Tong, Lei Dong, Zhinong Gao, Xinyu Shen, Hua Tong, Synthesis of highly ordered macro-mesoporous anatase TiO2 film with high photocatalytic activity, Microporous and Mesoporous Materials, Volume 138, Issues 1–3, 2011, Pages 200-206.
- 641. Xu Hun, Huaicheng Chen, Wei Wang, A electrogenerated chemiluminescence biosensor for Ramos cancer cell using DNA encapsulated Ru(bpy)3Cl2 as signal probe, Biosensors and Bioelectronics, Volume 26, Issue 9, 2011, Pages 3887-3893.
- 642. Yanping Bi, Xiaoxia Pan, Lei Chen, Qian-Hong Wan, Field-flow fractionation of magnetic particles in a cyclic magnetic field, Journal of Chromatography A, Volume 1218, Issue 25, 2011, Pages 3908-3914.
- 643. He Hu, Hong Zhou, Jie Liang, Lu An, Antao Dai, Xuejian Li, Hong Yang, Shiping Yang, Huixia Wu, Facile synthesis of amino-functionalized hollow silica microspheres and their potential application for ultrasound imaging, Journal of Colloid and Interface Science, Volume 358,

- Issue 2, 2011, Pages 392-398.
- 644. Rong Cao, Demin Duan, Li Jiang, Zhuoxuan Lu, Fang Bao, Kexiao Zheng, Jiong Li, Polysaccharide-coated beads platform for biomolecule analysis: Evolution of SiO2-based suspension arrays, Carbohydrate Polymers, Volume 83, Issue 2, 2011, Pages 818-823.
- 645. Cuiping Ma, Wenshuo Wang, Qing Yang, Chao Shi, Lijie Cao, Cocaine detection via rolling circle amplification of short DNA strand separated by magnetic beads, Biosensors and Bioelectronics, Volume 26, Issue 7, 2011, Pages 3309-3312.
- 646. Chao Shi, Yujie Ge, Hongxi Gu, Cuiping Ma, Highly sensitive chemiluminescent point mutation detection by circular strand-displacement amplification reaction, Biosensors and Bioelectronics, Volume 26, Issue 12, 2011, Pages 4697-4701.
- 647. Rui Ren, Yuanming Zou, Detecting adenosine with an autonomic cycle of cascading DNA polymerizations, Sensors and Actuators B: Chemical, Volume 156, Issue 1, 2011, Pages 298-303.
- 648. Jiao Su, Haijie Zhang, Bingying Jiang, Huzhi Zheng, Yaqin Chai, Ruo Yuan, Yun Xiang, Dual signal amplification for highly sensitive electrochemical detection of uropathogens via enzyme-based catalytic target recycling, Biosensors and Bioelectronics, Volume 29, Issue 1, 2011, Pages 184-188.
- 649. Haixia Zhang, Bingying Jiang, Yun Xiang, Jiao Su, Yaqin Chai, Ruo Yuan, DNAzyme-based highly sensitive electronic detection of lead via quantum dot-assembled amplification labels, Biosensors and Bioelectronics, Volume 28, Issue 1, 2011, Pages 135-138.

2010(4)

- 650. Fengli Yu, Gang Li, Bin Qu, Wei Cao, Electrochemical detection of DNA hybridization based on signal DNA probe modified with Au and apoferritin nanoparticles, Biosensors and Bioelectronics, Volume 26, Issue 3, 2010, Pages 1114-1117.
- 651. Xu Hun, Huaicheng Chen, Wei Wang, Design of ultrasensitive chemiluminescence detection of lysozyme in cancer cells based on nicking endonuclease signal amplification technology, Biosensors and Bioelectronics, Volume 26, Issue 1, 2010, Pages 248-254.
- 652. Qiang Li, Xiaoming Zhou, Da Xing, Rapid and highly sensitive detection of mercury ion (Hg2+) by magnetic beads-based electrochemiluminescence assay, Biosensors and Bioelectronics, Volume 26, Issue 2, 2010, Pages 859-862.
- 653. Feng Chen, Ruobing Shi, Yun Xue, Lei Chen, Qian-Hong Wan, Templated synthesis of monodisperse mesoporous maghemite/silica microspheres for magnetic separation of genomic DNA, Journal of Magnetism and Magnetic Materials, Volume 322, Issue 16, 2010, Pages 2439-2445.

2009(7)

- 654. Caifeng Ding, Qian Zhang, Shusheng Zhang, An electrochemical immunoassay for protein based on bio bar code method, Biosensors and Bioelectronics, Volume 24, Issue 8, 2009, Pages 2434-2440,
- 655. Bingbo Zhang, Xiaofei Liang, Lijuan Hao, Jing Cheng, Xiaoqun Gong, Xuhui Liu, Guiping Ma, Jin Chang, Quantum dots/particle-based immunofluorescence assay: Synthesis, characterization and application, Journal of Photochemistry and Photobiology B: Biology, Volume 94, Issue 1, 2009, Pages 45-50.

- 656. Hongling Wang, Jingjing Cao, Yanping Bi, Lei Chen, Qian-Hong Wan, Magnetically immobilized frits for the preparation of packed columns used in capillary electrochromatography, Journal of Chromatography A, Volume 1216, Issue 31, 2009, Pages 5882-5887.
- 657. Sai Bi, Hong Zhou, Shusheng Zhang, Multilayers enzyme-coated carbon nanotubes as biolabel for ultrasensitive chemiluminescence immunoassay of cancer biomarker, Biosensors and Bioelectronics, Volume 24, Issue 10, 2009, Pages 2961-2966.
- 658. Ruobing Shi, Yucong Wang, Yunli Hu, Lei Chen, Qian-Hong Wan, Preparation of magnetite-loaded silica microspheres for solid-phase extraction of genomic DNA from soy-based foodstuffs, Journal of Chromatography A, Volume 1216, Issue 36, 2009, Pages 6382-6386.
- 659. Xiaoru Zhang, Haoran Su, Sai Bi, Shuguo Li, Shusheng Zhang, DNA-based amplified electrical bio-barcode assay for one-pot detection of two target DNAs, Biosensors and Bioelectronics, Volume 24, Issue 8, 2009, Pages 2730-2734.
- 660. Zhi-Qiang GUO, Dan XU, Qian-Hong WAN, Lei CHEN, Separation of Dihydroergotoxine on Polar-Embedded Reversed-Phase Stationary Phase, Chinese Journal of Analytical Chemistry, Volume 37, Issue 2, 2009, Pages 232-236.

2007(2)

- 661. Shi Ruo-Bing, Zhang Zhi-Chao, Chen Lei, Wan Qian-Hong, Magnetic Silica Microspheres as a Novel Support for Immobilized Metal Affinity Purification of Proteins/Peptides, Chinese Journal of Analytical Chemistry, Volume 35, Issue 5, 2007, Pages 628-632.
- 662. Zhi-Chao Zhang, Cui Yuan, Qian-Hong Wan, Surface Modification of Magnetic Silica Microspheres and Its Application to the Isolation of Plant Genomic Nucleic Acids, Chinese Journal of Analytical Chemistry, Volume 35, Issue 1, 2007, Pages 31-36.

2006(1)

663. Liming Zhang, Zhichao Zhang, Qianhong Wan, Preparation of Porous Magnetic Silica Microspheres and Their Application in Genomic Deoxyribonucleic Acids Extraction, Chinese Journal of Analytical Chemistry, Volume 34, Issue 7, 2006, Pages 923-927.