Chen Yi

18851981272/+852-59814273

Jiaozuo, Henan

yichen7286@163.com

CPC member

Part-time academic job: reviewer for journals such as Environment International, Science of the Total Environment, etc.

Research direction: Human exposure and health risk assessment of organic pollutants; bioavailability and environmental analysis of organic pollutants; Environmental Toxicology Research Based on Metabolism-Lipidomics

work experience

2022.04-present Hong Kong Baptist University State Key Laboratory of Environmental and Biological Analysis Postdoctoral Cooperative Supervisor: Professor Cai Zongwei

Education background

Education background

2017.09-2021.09 Nanjing University Environmental Science and Engineering Doctoral Supervisor: Professor Ma Qiying

Research content: Bioavailability and risk control of organic pollutants Professor Cui Xinyi

2014.09-2017.07 South China Normal University Environmental Science and Engineering Master Supervisor: Professor Fang Jianzhang

2016.03-2017.06 Shenzhen Center for Disease Control and Prevention Joint training supervisor: Associate Professor Lu Shaoyou

Research Content: Environmental Analysis of Emerging Pollutants and Human Exposure

2010.09-2014.07 Zhengzhou Institute of Aeronautical Industry Management Environmental Engineering Bachelor of Engineering Tutor: Professor Cui Jiehu

A communication paper

1. **Chen,** Y., Juhasz, A., Cui, X.Y., et al. Influence of lipid type on the relative bioavailability of DDT and its metabolites in soil: mechanisms and health implications. ***Environmental Science & Technology*** 2022, 56, (8), 5102-5110. **(IF= 11.357; JCR Q1)**
2. Cui, X.Y., Juhasz, A., **Chen** Y*., et al. In vivo relative bioavailability of perfluorooctanoic acid (PFOA) and its alternative hexafluoropropylene oxide trimer acid (HFPO-TA): Influence of food and mechanisms exploration. ***Environment International*** 2022, 168, 107450. **(IF=13.352; JCR Q1)**
3. **Chen,** Y., Cui, X.Y., Ma, L.Q., et al. The influence of food on the *in vivo* bioavailability of DDT and its metabolites in soil. ***Environmental Science & Technology*** 2020, 54, 5003-5010. **(IF= 11.357; JCR Q1)**
4. **Chen,** Y., Ma, L.Q., et al. Effects of novel brominated flame retardants and metabolites on cytotoxicity in human umbilical vein endothelial cells. ***Chemosphere*** 2020, 253, 126653. **(IF= 8.943; JCR Q1)**
5. **Chen,** Y., Covaci, A., Cui, X.Y., et al. Novel and legacy flame retardants in paired human fingernails and indoor dust samples. ***Environment International*** 2019, 133, 105227. **(IF=13.352; JCR Q1)**
6. **Chen,** Y., Lu, S.Y., Cui, X.Y., et al. Organophosphate ester and phthalate ester metabolites in urine from primiparas in Shenzhen, China: Implications for health risks. ***Environmental Pollution*** 2019, 247, 944-952. **(IF= 9.988; JCR Q1)**

7. **Chen,** Y., Fang, J.Z., Lu, S.Y., et al. Urinary bisphenol analogues and triclosan in children from South China and implications for human exposure. ***Environmental Pollution*** 2018, 238, 299-305. **(IF= 9.988; JCR Q1)**

8. **Chen, Y.,** Fang, J.Z., Lu, S.Y., et al. Urinary metabolites of organophosphate esters in children in South China: Concentrations, profiles and estimated daily intake. ***Environmental Pollution*** 2018, 235, 358-364. **(IF= 9.988; JCR Q1)**

9. **Chen, Y.,** Fang, J.Z., Lu, S.Y., et al. Hydrothermal synthesis of a Ba and Mg co-doped Bi12GeO20 photocatalyst with enhanced visible light catalytic activity. ***RSC Advances*** 2016, 6, 15745-15752. **(IF=4.036; JCR Q2)**

10. **Chen, Y.,** Wu, H., Cui, X,Y. Influence of dietary bioactive compounds on the bioavailability and excretion of PFOA and its alternative HFPO-TA in mice: Mechanism exploration. ***Journal of Hazardous Materials*** (under review, **HAZMAT-D-23-05198, IF=14.224; JCR Q1)**

11. **Chen, Y.,** Cai, Z,W., et al. Real ambient PM2.5 exposure increased cardiovascular risk via enhancing liver injury in mice fed with high fat and high cholesterol diet. (In preparation)

Project Status

1. Nanjing University Excellent Doctoral Candidate Innovation Ability Improvement Plan A, 80,000 yuan, presided over.

Job Description: Responsible for the application, implementation and conclusion of the entire project.

2. General project of the National Natural Science Foundation of China: Research on the Mechanism and Regulation of the Effect of Food on the Bioavailability of Persistent Organic Pollutants (Project No.: 21876084), 650,000 yuan, the main participants.

Job description: As the source of a doctoral project, responsible for the impact of food on the bioavailability of DDT and perfluorinated compounds and the mechanism of action.

3. General project of the National Natural Science Foundation of China: Optimization of in vitro evaluation methods for the bioavailability of new flame retardants in indoor dust (Project No.: 21577055), 680,000 yuan, the main participants.

Job description: Establish the determination method of GC-MS and LC-MS/MS for new flame retardants, and participate in indoor dust collection and sample analysis.

4. National key research and development plan project: Establishment of standard test methods for human bioavailability of typical pollutants in site soil (project number: 2018YFC1801004), 2.19 million yuan, the main participants.

Job description: Responsible for the establishment of in vivo bioavailability and in vitro bioavailability assay methods for DDT and perfluorinated compounds in the soil of the site.

5. Awards

1. 2019-2020 Nanjing University Postgraduate Excellence Scholarship First Prize (twice)

2. Excellent graduate student of Nanjing University in December 2019

3. Excellent graduates of Nanjing University in April 2021

4.