

## **LIST OF PUBLICATIONS**

- **Xuejing Kang<sup>†</sup>**, Bo Hu, Mayang Christy Perdana, Yongsheng Zhao\*, Zhongbing Chen\*. Extreme learning machine models for predicting the *n*-octanol/water partition coefficient ( $K_{ow}$ ) data of organic compounds [J]. *Journal of Environmental Chemical Engineering*, 2022, 108552
- **Xuejing Kang<sup>†</sup>**, Yongsheng Zhao\*, Hongzhong Zhang, Zhongbing Chen\*. Application of atomic electrostatic potential descriptors for predicting the eco-toxicity of ionic liquids towards leukemia rat cell line [J]. *Chemical Engineering Science*, 2022, 260: 117941
- **Xuejing Kang<sup>†</sup>**, Yongsheng Zhao<sup>†</sup> \*, and Zhongbing Chen\*. "Atom surface fragment contribution method for predicting the toxicity of ionic liquids." *Journal of Hazardous Materials*, 2022, 421: 126705
- **Xuejing Kang<sup>†</sup>**, Zuopeng Lv<sup>†</sup>, Zhongbing Chen\*, Yongsheng Zhao\*. Assessing the ecotoxicity of ionic liquids on *Vibrio fischeri* using electrostatic potential descriptors[J]. *Journal of Hazardous Materials*, 2020, 397: 122761
- **Xuejing Kang<sup>†</sup>**, Zuopeng Lv<sup>†</sup>, Zhongbing Chen\*, Yongsheng Zhao\*. A QSPR model for estimating Henry's law constant of H2S in ionic liquids by ELM algorithm[J]. *Chemosphere*, 2021, 269: 128743
- **Xuejing Kang<sup>†</sup>**, Zuopeng Lv<sup>†</sup>, Zhongbing Chen\*, Yongsheng Zhao\*. Prediction of ammonia absorption in ionic liquids based on extreme learning machine modelling and a novel molecular descriptor  $S_{EP}$ [J]. *Environmental Research*, 2020, 189: 109951