

‘ A @ V Á

**1 /**

(1)

2023.03-2025.03

(2)

2022.01-2023.12

(3)

2021.01-2022.12

(4)

2020.01-2021.12

(5)

2020.08-

2021.12

(6)

,

2021.08-2022.12

(7)

2020.01-2023.12

(8)

2020.01-2023.12

(9)

2019.02-2022.01

(10)

2018.01-2019.12,

**2**

➤

- (1) Zhenzhen Jin, Xiao Zhang\*, The fire-extinguishing performance and mechanism of fluorinated cyclobutane through experimental measurement and numerical calculation, New Journal of Chemistry, 2023, 47, 15787-15796

- (2) Zhenxiang Chang, Rourou Yu, Shukai Li, Yueying Guo, Zhaoyang Tan, Xiao Zhang\*, Jiexiang Liu, A comparative on the thermal  $\text{C}_5\text{F}_8$  and  $\text{C}_5\text{F}_7\text{Cl}$ , Int J Quantum Chem, 2023, 10.1002/qua.27217.
- (3) Zhao Yang, Shiqi Liu, Xingyu Wang, Xiao Zhang\* Combustion inhibition of cup-burner flame with  $\text{C}_2\text{HF}_3\text{Cl}_2$  and its kinetics mechanism investigation, Chemical Physics Letters, 2023, 813, 140275
- (4) \_\_\_\_\_\*  
2023.
- (5) Rourou Yu, Wenhao Hu, Xingyu Wang, Xiao Zhang\*, Zhaoyang Tan, In depth study on the fire-extinguishing mechanism of Octafluoro-2-butene as a new promising Halon substitute, Int J Quantum Chem. 2022, e26913.
- (6) \_\_\_\_\_, HFO-1336mzz(E)  
2021 40 1508-1512.
- (7) Xiao Zhang, Zhao Yang, Xin Huang, Xingyu Wang, Yuelei Pan, Xiaomeng Zhou, Combustion enhancement and inhibition of hydrogen-doped methane flame by HFC-227ea. International Journal of Hydrogen Energy, 2021, 46, 21704–21714.
- (8) Rui Wu, Xingyu Wang, Lu Cheng, Changxing Ren, Xingyou Wei, Xiao Zhang\*. Experimental and theoretical studies on the thermal decomposition of trans-1-chloro-3,3,3-trifluoropropene/2-chloro-3,3,3-trifluoropropene and their fire-extinguishing performance. New journal of Chemistry, 2020, 44, 12932–12941.
- (9) Xiao Zhang, Zongkai Yue, Haijun Zhang, Lu Liu and Xiaomeng Zhou. Repeated administrations of  $\text{Mn}_3\text{O}_4$  nanoparticles cause testis damage and fertility decrease through PPAR-signaling pathway. Nanotoxicology, 2020, 14, 326-340.
- (10) Xiao Zhang, Mengyuan Wang, Xingyu Wang, Xiutao Li, Xiaomeng Zhou, Mesoporous  $\text{NiCo}_2\text{O}_4$  network constructed from ultrathin-mesoporous nanosheets as high performance electrocatalyst in dye

sensitized solar cell. *Journal of Electroanalytical Chemistry*, 2020, 861, 15, 113907.

- (11) Xingyu Wang, Rui Wu, Lu Cheng, **Xiao Zhang\***, **Xiaomeng Zhou\***. Suppression of propane cup-burner flame with HFO-1336mzz(Z) and its thermal stability study. *Thermochimica Acta*, 2020, 683, 178463.
- (12) Pengkun Wei, Xue Chen, Guizhu Wu, Jing Li, Yang Yang, Zeiwei Hao, **Xiao Zhang\***, Jing Li \*, Lu Liu \*. Recent advances in cobalt-, nickel-, and iron-based chalcogen compounds as counter electrodes in dye-sensitized solar cells. *Chin. J. Catal.*, 2019, 40, 1282–1297
- (13) Chengcheng Xu, Xinyue Huang, Xin Xu, **Xiao Zhang\***, Haijun Zhang\*. Theoretical studies on the BC<sub>2</sub>N monolayers with promising photoelectronic characteristics and remarkable environmental stabilities. *Int. J. Quantum. Chem.* 2019, e26120
- (14) Xuemin Li, Jinwu Bai, Bo Zhou, Xianfeng Yuan, **Xiao Zhang\***, and Lu Liu\*. High Performance of 3D Symmetric Flowerlike Sb<sub>2</sub>S<sub>3</sub> Nanostructures in Dye-Sensitized Solar Cells. *Chem. Eur. J.* 2018, 24, 1–8.
- (15) **Xiao Zhang**, Haijun Zhang, Xingyu Wang and Xiaomeng Zhou. Enhanced electrocatalytic performance of nickel diselenide grown on graphene toward the reduction of triiodide redox couples. *RSC Adv.*, 2018, 8, 28131–28138.

➤

(1)

2022.

3

(1) *Frontiers in Materials*

(2) *Frontiers in Chemistry*

(3) “ 131 ”

