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研究成果（本人具有代表性的论著、论文及主持的科研项目）

论著及编著	
论著及编著	
论文	1. **Xiaoli Tan**[#], Kaiyun Ji, Xing Wang, Ru Yao, Guifang Han, Frederick A. Villamena, Jay L. Zweier, Yuguang Song*, Antal Rockenbauer*, Yangping Liu*. Discriminative Detection of Biothiols by Electron Paramagnetic Resonance Spectroscopy using a Methanethiosulfonate Trityl Probe， Angewandte Chemie International Edition. 2020, 59(2): 928-934. 2. **Xiaoli Tan**[#], Shanqing Tao, Wenbo Liu, Antal Rockenbauer, Frederick A. Villamena, Jay L. Zweier, Yuguang Song*, Yangping Liu*. Synthesis and Characterization of Perthiatriarylmethyl Radical and Its Dendritic Derivatives with High Sensitivity and Selectivity to Superoxide Radical, Chemistry - A European Journal. 2018, 24(27): 6958-6967. 3. **Xiaoli Tan**[#], Li Chen, Yuguang Song*, Antal Rockenbauer, Frederick A. Villamena; Jay L. Zweier, Yangping Liu*. Thiol-Dependent Reduction of the Triester and Triamide Derivatives of Finland Trityl Radical Triggers O2-Dependent Superoxide Production, Chemical Research in Toxicology. 2017, 30(9): 1664-1672. 4. **Xiaoli Tan**[#], Yuguang Song*, Huiqiang Liu, Qinwen Zhong*, Antal Rockenbauer; Frederick A. Villamena, Jay L. Zweier, Yangping Liu*. Supramolecular host–guest interaction of tritylnitroxide biradicals with cyclodextrins: modulation of spin–spin interaction and redox sensitivity, Organic Biomolecular Chemistry. 2016, 14(5): 1694-1701. 5. Angeliki Giannoulis[#]; Yin Yang[#]; Yan-Jun Gong[#]; **Xiaoli Tan**[#] (co-first author); Akiva Feintuch; Raanan Carmieli; Thorsten Bahrenberg; Yangping Liu*; Xun-Cheng Su*; Daniella Goldfarb*; Deer distance measurements on trityl/trityl and Gd(III)/trityl labled proteins, Physical Chemistry Chemical Physics, 2019, 21(20): 10217-10227. 6. Yin Yang, Binbin Pan, **Xiaoli Tan**, Feng Yang, Yangping Liu*, Xun-Cheng Su*, Daniella

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科研项目	1. 基于 trityl 自由基的高灵敏高特异氢过硫化物 EPR 探针的开发及性能研究，国家自然科学基金青年基金（32000881），2021.1-2023.12，主持，在研;
荣誉奖励	
1.	
其他事项	