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教育背景								
2014年3月 – 2018年12月 美国威斯康星大学-密尔沃基校区，化学专业，博士学位 2007年9月 – 2010年7月 南开大学，物理化学专业，硕士学位 2003年9月 – 2007年7月 聊城大学，化学专业，学士学位								
工作经历								
2020年10月– 今 天津医科大学药学院，讲师 2019年6月– 2010年9月 天津医科大学药学院，助研 2019年1月– 2019年5月 美国威斯康星大学-密尔沃基校区，博士后								
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	1. H. Fan, X. Peng.* “Novel DNA Cross-Linking Agents and Their Applications” in “Advances in Molecular Toxicology Volume 10”, <i>Ed. J. Fishbein, Elsevier. 2016, 10, 235-292. (Book Chapter)</i>							

论文

1. **H. Fan**[#], M. A. Uz Zaman[#], W. Chen[#], T. Ali, A. Campbell, Q. Zhang, N. I. Setu, E. Saxon, N. M. Zahn, A. M. Benko, L. A. Arnold, X. Peng.* Assessment of Phenylboronic Acid Nitrogen Mustards as Potent and Selective Drug Candidates for Triple-Negative Breast Cancer, *ACS Pharmacol. Transl. Sci.* **2021**, *4*, 687–702. (Co-first author)
2. **H. Fan**, H. Sun, Q. Zhang, X. Peng.* Photoinduced DNA Interstrand Cross-linking by 1,1'-Biphenyl Analogues: Substituents and Leaving Groups Combine to Determine the Efficiency of Cross-Linker, *Chem. Eur. J.* **2021**, *27*, 5215–5224.
3. **H. Fan**, X. Peng.* Photoinduced DNA Interstrand Cross-Linking by Benzene Derivatives: Leaving Groups Determine the Efficiency of the Cross-Linker. *J. Org. Chem.* **2021**, *86*, 493–506.
4. **H. Fan**[#], H. Sun[#], M. M. Haque, X. Peng.* Effect of Triazole-Modified Thymidines on DNA and RNA Duplex Stability. *ACS Omega.* **2019**, *4*, 5107–5116. (Co-first author)
5. W. Chen[#], **H. Fan**[#], K. Balakrishnan, Y. Wang, H. Sun, Y. Fan, V. Gandhi, L. A. Arnold, X. Peng.* Discovery and Optimization of Novel Hydrogen Peroxide Activated Aromatic Nitrogen Mustard Derivatives as Highly Potent Anticancer Agents. *J. Med. Chem.* **2018**, *61*, 9132–9145. (Co-first author)
6. Z. Lin[#], **H. Fan**[#], Q. Zhang, X. Peng.* Design, Synthesis, and Biological Investigation of New Binaphthalene Precursors as Efficient Photo-Activated DNA Interstrand Cross-Linkers. *J. Org. Chem.* **2018**, *83*, 8815–8826. (Co-first author)
7. **H. Fan**, H. Sun, X. Peng.* Substituents Have a Large Effect on Photochemical Generation of Benzyl Cations and DNA Cross-Linking. *Chem. Eur. J.* **2018**, *24*, 7671–7682.
8. Y. Wang[#], **H. Fan**[#], K. Balakrishnan, Z. Lin, S. Cao, W. Chen, Y. Fan, Q. A. Guthrie, H. Sun, K. A. Teske, V. Gandhi, L. A. Arnold, X. Peng.* Hydrogen Peroxide Activated Quinone Methide Precursors with Enhanced DNA Cross-Linking Capability and Cytotoxicity towards Cancer Cells. *Eur J Med Chem.* **2017**, *133*, 197–207. (Co-first author)
9. H. Sun[#], **H. Fan**[#], H. Eom, X. Peng.* Coumarin-Induced DNA Ligation, Rearrangement to DNA Interstrand Cross-Links, and Photo-Release of Coumarin Moiety. *ChemBioChem.* **2016**, *17*, 2046–2053. (Co-first author)
10. Y. Wang, Z. Lin, **H. Fan**, X. Peng.* Photo-Induced DNA Interstrand Cross-Link Formation by Naphthalene Boronates via a Carbocation. *Chem. Eur. J.* **2016**, *22*, 10382–10386.
11. H. Sun, **H. Fan**, X. Peng.* Quantitative DNA Interstrand Cross-link Formation by Coumarin and Thymine: Structure Determination, Sequence Effect, and Fluorescence Detection. *J. Org. Chem.* **2014**, *79*, 11359–11369.

科研项目	1. 天津市教委科研计划项目 2020ZD15, 2020.12–2023.11. (参与)
荣誉奖励	
	1.
其他事项	