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<b>教育背景</b>								
2003.9—2006.7		清华大学化学系		博士（无机化学）				
1999.9—2002.7		南开大学化学学院		硕士（无机化学）				
1995.9—1999.6		河北大学化学系		学士（有机化学）				
<b>工作经历</b>								
2009/11 - 天津医科大学，药学院，副教授								
2012/09 - 2013/03 美国孟菲斯大学，化学系，访问学者								
2008/04 - 2009/11 天津医科大学，药学院，讲师								
<b>研究成果（本人具有代表性的论著、论文及主持的科研项目）</b>								

编委 普通高等教育“十一五”国家级规划教材《无机化学》第三版 人民卫生出版社  
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论文

1. Xiao-Jing Yan, Zhe Li, Hai-Bo Liu, Zhi-Gang Wang, Jing-Fan, **Cheng-Zhi Xie\***, Qing-Zhong Li, Jing-Yuan Xu\*. A chromone hydrazide Schiff base fluorescence probe with high selectivity and sensitivity for the detection and discrimination of human serum albumin (HSA) and bovine serum albumin (BSA). *J. Photoch. Photobio. A*, 2022, 422: 113576.
2. Xiao-Jing Yan, Yu-Yang Gao, Hai-Bo Liu, Xin Qiao, **Cheng-Zhi Xie\***, Qing-Zhong Li, Wei-Zhen Gao, Hua-Bing Sun\*, Jing-Yuan Xu\*. A novel double target fluorescence probe for  $Al^{3+}/Mg^{2+}$  detection with distinctively different responses and its applications in cell imaging. *Spectrochim. Acta A*, 2021, 261: 120067.
3. Zhi-Gang Wang, Xiao-Jing Yan, Hai-Bo Liu, De-Long Zhang, Wei Liu, **Cheng-Zhi Xie\***, Qing-Zhong Li, Jing-Yuan Xu\*. A novel hydrazide Schiff base self-assembled nanoprobe for selective detection of human serum albumin and its applications in renal disease surveillance. *J. Mater. Chem. B*, 2020, 8: 8346-8355.
4. Zhi-Gang Wang, Xiao-Jing Ding, Yu-Ying Huang, Xiao-Jing Yan, Bin Ding, Qing-Zhong Li, **Cheng-Zhi Xie\***, Jing-Yuan Xu\*. The development of coumarin Schiff base system applied as highly selective fluorescent/colorimetric probes for  $Cu^{2+}$  and tumor biomarker glutathione detection. *Dyes Pigments*, 2020, 175: 108156.
5. Xiao-Jing Yan, Zhi-Gang Wang, Yang Wang, Yu-Ying Huang, Hai-Bo Liu\*, **Cheng-Zhi Xie\***, Qing-Zhong Li, Jing-Yuan Xu\*. A dual-functional fluorescent probe for sequential determination of  $Cu^{2+}/S^{2-}$  and its applications in biological systems. *Spectrochim. Acta A*, 2020, 243: 118797.
6. Zhi-Gang Wang, Yang Wang, Xiao-Jing Ding, Yu-Xuan Sun, Hai-Bo Liu, **Cheng-Zhi Xie\***, Jing Qian, Qing-Zhong Li, Jing-Yuan Xu\*. A highly selective colorimetric and fluorescent probe for quantitative detection of  $Cu^{2+}/Co^{2+}$ : The unique ON-OFF-ON fluorimetric detection strategy and applications in living cells/zebrafish. *Spectrochim. Acta A*, 2020, 228: 117763.
7. Xue-Qing Song, Zhi-Gang Wang, Yang Wang, Yu-Ying Huang, Yu-Xuan Sun, Yan Ouyang, **Cheng-Zhi Xie\***, Jing-Yuan Xu\*, Syntheses, characterization, DNA/HSA binding ability, and antitumor activities of a family of isostructural binuclear lanthanide complexes containing hydrazine Schiff base. *J. Biomol. Struct. Dyn*, 2020, 38: 733-743.
8. Yang Wang, Zhi-Gang Wang, Xue-Qing Song, Qian Chen, He Tian, **Cheng-Zhi Xie\***, Qing-Zhong Li, Jing-Yuan Xu\*. A dual functional turn-on non-toxic chemosensor for highly selective and sensitive visual detection of  $Mg^{2+}$  and  $Zn^{2+}$ : the solvent-controlled recognition effect and bio-imaging application. *Analyst*, 2019, 144: 4024-4032.
9. Yang Wang, Zhong-Ying Ma, De-Long Zhang, Jia-Li Deng, Xiong Chen, **Cheng-Zhi Xie\*** Xin Qiao, Qing-Zhong Li, Jing-Yuan Xu\*, Highly selective and sensitive turn-on fluorescent sensor for detection of  $Al^{3+}$  based on quinoline-base Schiff base. *Spectrochim. Acta A*, 2018, 195: 157-164.
10. Xu-Dong Lin, Biao Peng, Shao-Yong Li, Wei-Guo Bao, Qing-Zhong Li, **Cheng-Zhi Xie\***, Jing-Yuan Xu\*. Novel Zn(II)-thiazolone-based Solid Fluorescent Chemosensors: Naked-eye Detection for Acid/Base and Toluene. *RSC Adv.*, 2016, 6: 52310-52317.
11. Xuan-Wen Liu, Rui Guo, He Liu, Ye-Qi Yu, Xi-Wei Qi, Jing-Yuan Xu, **Cheng-Zhi Xie\***. Two series of novel 3D potentially porous heterometallic Cu-Ln coordination frameworks assembled by 3,4-pyridinedicarboxylic acid with different topologies and channels: syntheses, structures, luminescence and magnetic properties. *RSC Adv.*, 2015, 5: 15059-15068.
12. Xiao-Tong Zhang, Zhong-Ying Ma, Chuan Zhao, Qi-Ji Zhou, **Cheng-Zhi Xie\***, Jing-Yuan

- Xu\*. Synthesis, crystal structures, DNA binding and cytotoxicity activities of two copper(II) complexes based on unsymmetrical tripodal ligands. *J. Coord. Chem.*, 2015, 68: 2307–2323.
13. **Cheng-Zhi Xie**, Meng-Meng Sun, Shao-Hua Li., Xiao-Tong Zhang, Xin Qiao, Yan Ouyang, Jing-Yuan Xu. Synthesis, characterization, DNA interaction, cytotoxicity, and apoptosis induction of a mixed-ligand copper(II) complex. *J. Coord. Chem.*, 2013, 66: 3891–3905.
  14. Fei Xue, **Cheng-Zhi Xie**(共同第一作者), Yan-Wen Zhang, Zheng Qiao, Xin Qiao, Jing-Yuan Xu\*, Shi-Ping Yan. Two new dicopper(II) complexes with oxamidobridged ligand: Synthesis, crystal structures, DNA binding/cleavage and BSA binding activity. *J. Inorg. Biochem.*, 2012, 115: 78–86.
  15. **Cheng-Zhi Xie**, Qiao-Juan Su, Shao-Hua Li, Jing-Yuan Xu, Li-Ya Wang. A novel helical chainlike nickel(II) coordination polymer containing 1D trigonal channels with water molecule guests. *Inorg. Chem. Commun.* 2010, 13: 1476-1479.
  16. **Cheng-Zhi Xie**, Rong-Fang Li, Li-Ya Wang, Qian-Qian Zhang. Self-assembly and magnetic characterization of two Cu(II) complexes constructed by 2, 2'-bipyridine and 3,5-pyrazoledicarboxylic acid with different structures. *Z. Anorg. Allg. Chem.* 2010, 636: 657-661.
  17. Qi-Ji Zhou, Xue-Jun Yao, Lan-Fang Hao, Yan Ouyang, Jing-Yuan Xu\*, **Cheng-Zhi Xie\***, Jian-Shi Lou. 3,5-Pyrazoledicarboxylic acid with different structures synthesis, crystal structure, and magnetic properties of a new 2D copper(II) polymer constructed by 1,5-dicyanamide and sulfonate anion bridge. *Z. Anorg. Allg. Chem.* 2010, 636: 2487-2491.
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  20. **Cheng-Zhi Xie**, Ze-Feng Zhang, Bao-Feng Zhang, Xiao-Qing Wang, Ru-Ji Wang, Guang-Qiu Shen, De-Zhong Shen, Bin Ding. A novel 3D CuI metal-organic framework with middle-size channels despite the six-fold ThSi<sub>2</sub> interpenetrating topological structure. *Eur. J. Inorg. Chem.*, 2006, 6, 1337-1340.
  21. **Cheng-Zhi Xie**, Bin Yu, Xiao-Qing Wang, Ru-Ji Wang, Guang-Qiu Shen, De-Zhong Shen. Syntheses and structures of M-Na (M = Zn, Mn) coordination polymers in which ligands and Na ions exhibit complex coordination modes. *J. Coord. Chem.* 2006, 59, 2005-2014.
  22. **Cheng-Zhi Xie**, Bao-Feng Zhang, Xuan-Wen Liu, Xiao-Qing Wang, Hui-Zhong Kou, Guang-Qiu Shen, De-Zhong Shen. Synthesis, crystal structure, and magnetic property of a novel 2D polymer [Co(PDC(4,4-bpy))](CH<sub>3</sub>OH). *Inorg. Chem. Commun.* 2004, 7, 1037-1040.
  23. **Cheng-Zhi Xie**, Ze-Feng Zhang, Xiao-Qing Wang, Xuan-Wen Liu, Guang-Qiu Shen, Ru-Ji Wang, De-Zhong Shen. The synthesis and structure of a novel 1D copper(II) weak coordination polymer with 2,6-pyridinedicarboxylic acid. *J. Coord. Chem.* 2004, 57, 1173-1178.
  24. **Cheng-Zhi Xie**, Shi-Ping Yan, Chun-Hui Li, Peng Cheng, Dai-Zheng Liao, Zong-Hui Jiang. Synthesis, structure and properties of {Cu<sub>2</sub>(tacn)<sub>2</sub>[μ-(MeN)<sub>2</sub>C<sub>2</sub>O<sub>2</sub>]}[(MeNH)<sub>2</sub>C<sub>2</sub>O<sub>2</sub>](ClO<sub>4</sub>)<sub>2</sub>. *Acta. Chim. Sinica* 2002, 60, 293-297.

科研项目	<ol style="list-style-type: none"> <li>1. 国家自然科学基金委员会, 面上项目, 21977080, Pt(IV)前药靶向性、协同性调整及分子机制研究, 2020-01 至 2023-12, 66 万元, 参加。</li> <li>2. 木脂素类化合物的合成, 横向项目, 2.8 万元, 2020.10-2023.10, 主持。</li> <li>3. 类天然产物骨架小分子的合成, 横向项目, 5.85 万元, 2019.11-2022.11, 主持。</li> <li>2. 用于示踪含巯基小分子代谢过程的新型荧光探针的设计合成及生物成像研究, 天津市自然科学基金(18JCYBJC91300), 10 万元, 2018.10-2021.9, 主持。</li> <li>3. 高效核酸提取纳米磁珠合成工艺研究, 横向项目, 10 万元, 2017.11-2020.11, 主持。</li> <li>4. 重金属检测试纸的制备工艺研究, 横向项目, 5 万元, 2016.6-2019.6, 主持。</li> <li>5. 新型希夫碱类锌离子荧光探针的设计合成及性能研究, 先进能源材料化学教育部重点实验室(南开大学)开放基金, 5 万元, 2016.1-2018.12, 主持。</li> <li>6. 含硫脲基团氮杂环铂类配合物的抗肿瘤耐药活性研究, 中国博士后科学基金(2014M551036), 5 万元, 2014.2-2015.67, 主持。</li> <li>7. 天津市科学技术局, 天津市自然科学基金重点项目, 17JCZDJC33100, 具有降低肿瘤耐药性及增强免疫识别功能的多靶标 Pt(IV)前药分子研究, 2017-04 至 2020-03, 20 万元, 参加。</li> <li>8 国家自然科学基金委员会, 面上项目, 21371135, 铂类组蛋白去乙酰化酶抑制剂的设计合成、活性评价及其靶向作用机制研究, 2014-01 至 2017-12, 80 万元, 参加。</li> <li>9. 天津市科学技术局, 天津市自然科学基金重点项目, 13JCZDJC28200, 新型铂类抗肿瘤配合物的设计合成及其细胞代谢机制研究, 2013-04 至 2016-03, 20 万元, 参加。</li> <li>10. 国家自然科学基金委员会, 面上项目, 20971099, 基于光动力疗法的金属基型光敏剂的设计合成、DNA 作用及其抗肿瘤细胞活性的研究, 2010-01 至 2012-12, 35 万元, 参加。</li> <li>11. 国家自然科学基金委员会, 重大项目, 50590402、新型硼酸盐非线性光学晶体低对称性、生长规律、应用研究及新材料探索, 2005-01 至 2010-12、175 万元, 参加。</li> </ol>
荣誉奖励	
	2020 年, 天津市自然科学三等奖(2/5 徐靖源; <b>谢承志</b> ; 乔鑫; 马忠影; 欧阳燕)
其他事项	
	<p><b>同行评议审稿工作:</b></p> <p>Dalton Transactions、Spectrochimica Acta Part A、Polyhedron、Journal of Inorganic Biochemistry、Biomedicine &amp; Pharmacotherapy、New Journal of Chemistry、Nanoscience and Nanotechnology Letters、RSC Advances、Photochemical &amp; Photobiological Sciences、Journal of Biomolecular Structure &amp; Dynamics、Applied Organometallic Chemistry、Inorganic Chemistry Communications、Journal Molecular Crystals and Liquid、Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry</p> <p><b>指导学生获奖:</b></p> <p>2020, 2021 年研究生国家奖学金, 硕士生导师。</p>

