

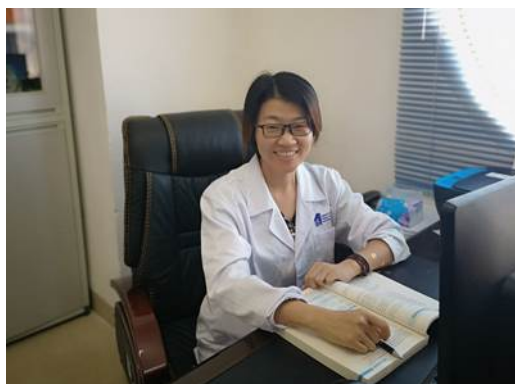
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教授**陈金香**

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1996.09-2000.06 安徽师范大学应用化学专业 获学士学位
2000.09-2003.06 苏州大学无机化学专业 获硕士学位
2003.09-2006.06 苏州大学有机化学专业 获博士学位

工作简历：

2006.07-2009.11 南方医科大学药物化学教研室 讲师
2009.12-2014.11 南方医科大学合成药物化学课题组 副教授
2013.04-2014.04 新加坡科技研究局材料工程研究院 访问学者
2014.12-2015.12 南方医科大学合成药物化学课题组 教授
2016.01-至今 南方医科大学无机药物化学课题组 教授 学科主任

研究方向：

具有生物相容性的金属有机骨架材料的构建及其疾病早期诊疗功能研究

近5年获得的科研课题：

- (1) 主持国家自然科学基金面上项目，同源细胞膜包裹P-DNA@MOF荧光/MRI双模态探针的构建及其癌症靶向诊断功能研究，项目编号：21874064，起止时间：2019年1月-2022年12月。
- (2) 主持广东省自然科学基金项目，具有水稳定性的纳米金属有机骨架的构建及其多种埃博拉病毒核酸分子保守序列同步识别功能研究，项目编号：2018A030313456，起止时间：2018年5月-2021年4月。
- (3) 主持广州市科技计划项目，荧光/MRI双模态探针CCMs+P-DNA@MOF的构建及其精准靶向癌症早期诊疗功能研究；起止时

间：2019年4月-2022年3月。

(4)主持广东省自然科学基金自由申请项目，“具有空气水稳定性的两性金属有机骨架的合成及其载药功能研究”，项目编号：2015A030313284，起止时间：2015年8月-2018年8月。

(5)主持广东省公益研究与能力建设专项资金项目“新型生物医用材料金属有机骨架的构建及载药功能研究”，项目编号：2015A010105016，起止时间：2015年1月-2017年12月。

近5年获得的发明专利：

(1)**Chen, Jin-Xiang**; Xie, Bao-Ping; Qiu, Gui-Hua; Hu, Pei-Pei; Liang, Zhen; Liang, Ye-Mei; Sun, Bin; Bai, Li-Ping; Jiang, Zhi-Hong; Crystalline copper-based coordination polymers and their use. 澳洲发明专利，专利号：AU: 2017100590

(2)**Chen, Jin-Xiang**; Sun, Bin; Xie, Bao-Ping; Jiang, Zhi-Hong; Bai, Li-Ping; Crystalline lanthanum-carboxylate coordination polymers and their use. 澳洲发明专利，AU: 2017100565

(3)**Chen, Jin-Xiang**; Sun, Bin; Zhao, Hai-Qing; Xie, Bao-Ping; Bai, Li-Ping; Jiang, Zhi-Hong; Zwitterionic zinc(II) carboxylate compounds and their use. 澳洲发明专利。专利号：AU: 2016101528

(4)**Chen, Jin-Xiang**; Pang, Jian-Xin; Liu, Shu-Wen; Bai, Li. Ping; Jiang, Zhi-Hong; Crystalline contrast agent for magnetic resonance imaging, kit and composition comprising it and their use. 澳洲发明专利，专利号：AU: 2016101702

(5)**Chen, Jin-Xiang**; Sun, Bin; Zhao, Hai-Qing; Xie, Bao-Ping; Bai, Li-Ping; Jiang, Zhi-Hong; Zwitterionic zinc(II) carboxylate compounds and their use. 美国发明专利，专利号：US 10,023,594 B2

(6)**Chen, Jin-Xiang**; Sun, Bin; Xie, Bao-Ping; Jiang, Zhi-Hong; Bai, Li-Ping; Crystalline lanthanum-carboxylate coordination polymers and their use. 美国发明专利，专利号：US 10.260.114 B2。

(7)陈金香，杨水平，陈文华，一种两性羧酸铜金属有机骨架及其合成方法和应用，申请号：201510952885.X，授权日：2018年12月4日，专利号：ZL2015 1 0952885.X

(8)陈金香，覃亮，陈文华，刘叔文，庞建新，一种基于锰的两性羧酸金属配位聚合物及其制备方法，中国发明专利，专利号：ZL 2016 1 0404049.2

(9)陈金香，覃亮，陈文华，刘叔文，庞建新，一种基于钆的两性羧酸金属配位聚合物及其制备方法，中国发明专利，专利号：ZL 2016 1 0403497.0

(10)陈金香，覃亮，陈文华，刘叔文，谢宝平，孙斌，一种两性羧酸四核铜金属配位聚合物及其制备方法，专利号：ZL 2016 1 0403491.3

(11)陈金香，覃亮，陈文华，刘叔文，谢宝平，孙斌，一种两性羧酸双核铜金属配位聚合物及其制备方法，中国发明专利，专利号：ZL 201610404106.7

(12)陈金香，覃亮，陈文华，刘叔文，谢宝平，孙斌，一种两性羧酸六核铜金属配位聚合物及其制备方法，中国发明专利，专利号：ZL 201610404108.6

近5年以第一作者或通讯作者发表的SCI论文：

(1)Shi-Xin Lin, Wei-Lun Pan, Ru-Jie Niu, Yan Liu, **Jin-Xiang Chen**,* Wen-Hua Zhang,* Jian-Ping Lang* and David J. Young, Effective loading of cisplatin into a nanoscale UiO-66 metal-organic framework with preformed defects, Dalton Trans., 2019, 48, 5308 - 5314.

(2)Shao-Lan Cai, Zi-Chuan Yang, Ke-Yang Wu, Cheng Fan, Ling-Yan Zhai, Nai-Han Huang, Rong-Tian Li, Wen-Jun Duan* and **Jin-Xiang Chen***, Experimental and computational investigation of a DNA-shielded 3D metal-organic framework for the prompt dual sensing of Ag⁺ and S²⁻. RSC adv. 2019, 9, 15424-15430.

(3)Nai-Han Huang, Rong-Tian Li, Cheng Fan, Ke-Yang Wu, Zhe Zhang, **Jin-Xiang Chen*** Rapid sequential detection of Hg²⁺ and biothiols by a probe DNA-MOF hybrid sensory system, J. Inorg. Biochem., 2019, 197, 110690.

(4)Ke-Yang Wu, Liang Qin, Cheng Fan, Shao-Lan Cai, Bin Sun, Bao-Ping Xie, Xiao-Yan Tang* and **Jin-Xiang Chen*** Sequential and Recyclable Sensing of Fe³⁺ and Ascorbic Acid Based on a Water-stable Green-emitting Terbium(III) Metal-Organic Framework, Dalton Trans., 2019, 48, 8911-8919.

(5)Bao-Ping Xie, Gui-Hua Qiu, Bin Sun, Zi-Feng Yang, Wen-Hua Zhang,* **Jin-Xiang Chen**,* Zhi-Hong Jiang* Synchronous sensing of three conserved sequences of Zika virus by a DNAs@MOF hybrid: Experimental and molecular simulation studies, Inorg. Chem. Frontier. 2019, 6, 148-152.

- (6) Ling-Yan Zhai[#], Min-Xiang Li[#], Wei-Lun Pan, Yun Chen, Min-Min Li, Jian-Xin Pang, Lei Zheng*, **Jin-Xiang Chen***, Wen-Jun Duan*, In Situ Detection of Plasma Exosomal MicroRNA-1246 for Breast Cancer Diagnostics by a Au Nanoflare Probe, *ACS Appl. Mater. Inter.* 2018, 10, 39478-39486.
- (7) Xiang-Ming Hu[#], Rong-Tian Li[#], Miao-Miao Zhang, Ke-Yang Wu, Huan-Huan Li, Nai-Han Huang, Bin Sun*, **Jin-Xiang Chen*** Phenanthroline-linked berberine dimer and fluorophore-tagged DNA conjugate for the selective detection of microRNA-185: [experimental and molecular docking studies](#), *Anal. Chim. Acta*, 2019, 1051, 153-159.
- (8) Pei-Pei Hu, Ning Liu, Ke-Yang Wu, Ling-Yan Zhai, Bao-Ping Xie, Bin Sun, Wen-Jun Duan, Wen-Hua Zhang,* and **Jin-Xiang Chen*** Successive and Specific Detection of Hg²⁺ and I⁻ by a DNA@MOF Biosensor: Experimental and Simulation Studies, *Inorg. Chem.* 2018, 57(14), 8382-8389.
- (9) Bao-Ping Xie[#], Gui-Hua Qiu[#], Pei-Pei Hu, Zhen Liang, Ye-Mei Liang, Bin Sun, Li-Ping Bai, Zhi-Hong Jiang, **Jin-Xiang Chen*** Simultaneous detection of Dengue and Zika virus RNA sequences with a three-dimensional Cu-based zwitterionic metal-organic framework, comparison of single and synchronous fluorescence analysis, *Sens. Actu. B-Chem.* 2018, 254C, 1133-1140.
- (10) Bin Sun¹, Zhen Liang¹, Bao-Ping Xie, Rong-Tian Li, Lin-Ze Li, Zhi-Hong Jiang, Li-Ping Bai, **Jin-Xiang Chen***, Fluorescence sensing platform based on ruthenium(II) complexes as high 3S (sensitivity, specificity, speed) and “on-off-on” sensors for the miR-185 detection, *Talanta*, 2018, 179, 658-667.
- (11) Gui-Hua Qiu, Zi-Hua Weng, Pei-Pei Hu, Wen-Jun Duan, Bao-Ping Xie, Bin Sun, Xiao-Yan Tang, **Jin-Xiang Chen***, Synchronous detection of ebolavirus conserved RNA sequences and ebolavirus-encoded miRNA-like fragment based on a zwitterionic copper (II) metal-organic framework, *Talanta*, 2018, 180, 396-402.
- (12) Liang Qin,[#] Zi-Yan Sun,[#] Kai Cheng, Shu-Wen Liu, Jian-Xin Pang, Li-Ming Xia, Wen-Hua Chen,* Zhen Cheng,* and **Jin-Xiang Chen*** Zwitterionic manganese and gadolinium metal-organic frameworks as efficient magnetic resonance contrast agents for in vivo imaging, *ACS Appl. Mater. Inter.* 2017, 9(47), 41378-41386.
- (13) Shui-Ping Yang, Wei Zhao, Pei-Pei Hu, Ke-Yang Wu, Zhi-Hong Jiang, Li-Ping Bai, Min-Min Li, and **Jin-Xiang Chen***, Lanthanum-based metal-organic frameworks for specific detection of Sudan virus RNA conservative sequences down to single-base mismatch, *Inorg. Chem.* 2017, 56, 14880-14887.
- (14) Gui-Hua Qiu,¹ Wan-Zhen Lu¹, Pei-Pei Hu, Zhi-Hong Jiang, Li-Ping Bai, Tao-Rui Wang, Min-Min Li, * **Jin-Xiang Chen***, A metal-organic framework based PCR-free biosensor for the detection of gastric cancer associated microRNAs, *J. Inorg. Biochem.* 2017, 177, 138-142.
- (15) Bin Sun¹, Hai-Qing Zhao¹, Bao-Ping Xie, Li-Ping Bai, Zhi-Hong Jiang, **Jin-Xiang Chen***, Sequence-specific fluorometric recognition of HIV-1 ds-DNA by using zwitterionic zinc(II)-carboxylate polymers, *J. Inorg. Biochem.* 2017, 176, 17-23.
- (16) Hai-Qing Zhao¹, Gui-Hua Qiu¹, Zhen Liang, Min-Min Li, Bin Sun, Liang Qin, Shui-Ping Yang, Wen-Hua Chen, **Jin-Xiang Chen***, A Zinc(II)-based two-dimensional MOF for sensitive and selective sensing of HIV-1 ds-DNA sequences, *Anal. Chim. Acta*, 2016, 922, 55-63.
- (17) Hai-Qing Zhao,[‡] Shui-Ping Yang,[‡] Ni-Ni Ding, Liang Qin, Gui-Hua Qiu, **Jin-Xiang Chen***, Wen-Hua Zhang,* Wen-Hua Chen* and T. S. Andy Hor* A zwitterionic 1D/2D polymer co-crystal and its polymorphic sub-components: a highly selective sensing platform for HIV ds-DNA sequences, *Dalton Trans.*, 2016, 45, 5092-5100.
- (18) Liang Qin, Li-Xian Lin, Zhi-Ping Fang, Shui-Ping Yang, Gui-Hua Qiu, **Jin-Xiang Chen*** and Wen-Hua Chen* A water-stable metal-organic framework of a zwitterionic carboxylate with dysprosium: a sensing platform for Ebolavirus RNA sequences, *Chem. Commun.* 2016, 52, 132-135.
- (19) Shui-Ping Yang, Shao-Rui Chen, Shu-Wen Liu, Xiao-Yan Tang, Liang Qin, Gui-Hua Qiu, **Jin-Xiang Chen***, Wen-Hua Chen,* Platforms formed from a 3D Cu-based zwitterionic metal-organic framework and probe ss-DNA: selective fluorescent biosensors for HIV-1 ds-DNA and Sudan virus RNA sequences, *Anal. Chem.* 2015, 87, 12206-12214.
- (20) Ming Chen, Xiao-Yan Tang, Shui-Ping Yang, Huan-Huan Li, Hai-Qing Zhao, Zhi-Hong Jiang, **Jin-Xiang Chen***, Wen-Hua Chen,* Five water-soluble zwitterionic copper(II)-carboxylate polymers: role of dipyriddyoligands in enhancing the DNA-binding, cleaving and anticancer activities, *Dalton Trans.* 2015, 44, 13369-13377.
- (21) Ming Chen, Xiao-Yan Tang, Ming-Zhen Chen, **Jin-Xiang Chen***, Wen-Hua Chen*, Lanthanide based Polymers with

Charged Ligand Backbones: Triple-stranded Chain Structures and their DNA Cleavage Studies, *Aust. J Chem.* 2015, 48, 493-499.

(22) Zi-Xuan Zhang, Ni-Ni Ding, Wen-Hua Zhang*, **Chen, Jin-Xiang***, Young, David J.*, Andy Hor, T. S.* Stitching 2D Polymeric Layers into Flexible Interpenetrated Metal - Organic Frameworks within Single Crystals, *Angew. Chem. Int. Ed.* 2014, 53, 4628-4632.

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(24) **Jin-Xiang Chen***, Hai-Qing Zhao, Huan-Huan Li, Sheng-Li Huang, Ni-Ni Ding, Wen-Hua Chen, Young, David J.; Wen-Hua Zhang*, Andy Hor, T. S.* Bent Tritopic Carboxylates for Coordination Networks: Clues to the Origin of Self-penetration, *CrystEngComm.* 2014, 16, 7722-7730.

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