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个人简历

教育经历

2009-2015, 理学博士, 有机化学, 云南大学

工作经历

2015.7 - 至今, 助理研究员, 云南大学自然资源药物化学教育部重点实验室

学术任职

无

荣誉奖励

2017年入选云南大学“东陆中青年骨干教师”培养计划

代表性论文

1. Jinliang Hu¹, Yulong Xiao¹, Qing Chang, **Hongfei Gao***, Xiaohong Cheng*. Effect of the linkages on the self-assembly and photophysical properties of 4,7-diphenyl-2,1,3-benzothiadiazole-based luminescent polycatenars; *J. Mol. Liq.*, 2019, 286, 110844.
2. Ruilin Zhang¹, **Hongfei Gao**¹, Juan Yu, Chao Liu, Yuan Tao, Xiaohong Cheng*. AIE active TPE mesogens with *p6mm* columnar and *Im3m* cubic mesophases and white light emission property; *J. Mol. Liq.*, 2019, 112079.
3. Ruilin Zhang¹, **Hongfei Gao**¹, Yanming Ren, Yulong Xiao, Jinliang Hu, Xiaohong Cheng*. Syntheses and properties of meso-substituted porphyrin mesogens with triazole linkages and peripheral alkyl chains; *Chem. Asian J.*, 2018, 13, 536-544.
4. Huifang Cheng¹, **Hongfei Gao**¹, Yulong Xiao, Bei Zhang, Wei Xing, Xiaohong Cheng*. Self-assembly, conductivity and chemosensor behavior of biphenylsulfone based Janus polycatenar; *J. Mol. Liq.*, 2018, 264, 691-698.
5. **Hongfei Gao**, Huifang Cheng, Zonghan Yang, Marko Prehm, Xiaohong Cheng*, Carsten Tschierske*. Synthesis and self-assembly of 5,5'-bis(phenylethynyl)-2,2'-bithiophene-based bolaamphiphiles in triangular and square LC honeycombs; *J. Mater. Chem. C*, 2015, 3, 1301-1308;
6. **Hongfei Gao**, Huifang Cheng, Qijing Liu, Yulong Xiao, Marko Prehm, Xiaohong Cheng*, Carsten Tschierske*. Tolane based bent bolaamphiphiles forming liquid crystalline hexagonal honeycombs with trigonal symmetry; *New J. Chem.*, 2015, 39, 2060-2066;
7. Xiaohong Cheng, ***Hongfei Gao**, Xiaoping Tan, Xueyan Yang, Marko Prehm, Helgard Ebert, Carsten Tschierske*. Transition between triangular and square tiling patterns in liquid-crystalline honeycombs formed by tetrathiophene-based bolaamphiphiles. *Chem. Sci.*, 2013, 4, 3317-3331.

8. **Hongfei Gao**, Yafei Ye, Leiyang Kong, Xiaohong Cheng,* Marko Prehm, Helgard Ebert, Carsten Tschierske. Dithiophene based X-shaped bolaamphiphiles: liquid crystals with single wall honeycombs and geometric frustration. *Soft Matter*, 2012, 8, 10921-10931.

9. Haipeng Fang¹, **Hongfei Gao**¹, Tingyan Wang, Bei Zhang, Wei Xing, Xiaohong Cheng,* Benzothiadiazole-based D- π -A- π -D fluorophores: Synthesis, self-assembly, thermal and photophysical characterization. *Dyes and Pigments*, 2017, 147, 190-198.

10. Yulong Xiao¹, **Hongfei Gao**¹, Tingyan Wang, Ruilin Zhang, Xiaohong Cheng,* Synthesis, liquid-crystalline, photophysical and chemosensor properties of oxadiazole/thiadiazole-based amphiphiles with glycerol groups. *J. Mol. Liq.*, 2017, 244, 360-367.

科研项目:

1. 新型三聚咪唑类多环盘状液晶分子的合成、自组装行为及光电性质研究, 国家自然科学基金青年基金项目(21602195), 2017. 1-2019. 12. (负责)
2. 基于三聚咪唑的新型盘状液晶分子的合成、自组装行为及光电性能研究, 云南省应用基础研究计划项目面上项目(2017FB011), 2017. 6-2020. 5. (负责)
3. 苯并噻二唑类液晶化合物的设计合成、自组装及光电性能研究, 云南省应用基础研究计划项目青年项目(2016FD008), 2016. 10-2019. 09. (负责)
4. 低能隙Janus液晶分子的设计合成及光电性质研究, 云南省优秀青年培育项目(2018YDJQ030), 2018. 09. 01-2020. 08. 31 (负责)

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有机化学基础实验

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