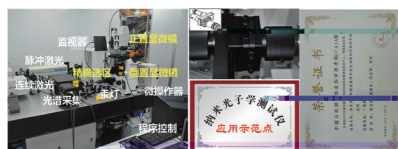
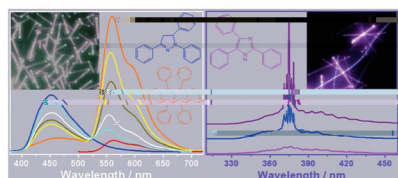


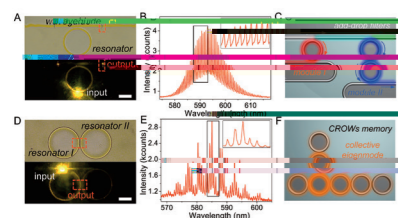
Research Group for Organic Opto-Functional Materials, Institute of Chemistry, Chinese Academy of Sciences



Developed new techniques for nanophotonic characterizations



Developed the research area of organic nanophotonics, pioneered the study of organic nanowire lasers



Prepared organic flexible photonic integrated circuits with ink-jet printing



Outstanding contributors of this research group

Yao Jiannian

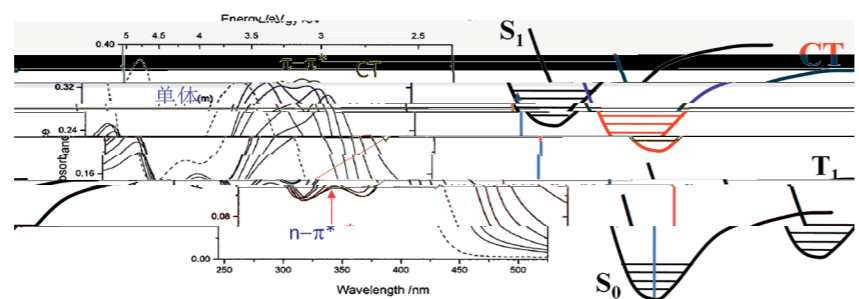
Pioneered the research area of organic low-dimensional optoelectronic materials. Broke the bottle necks in the study of organic nanoscale materials by developing novel techniques for optical characterizations.

Zhao Yongsheng

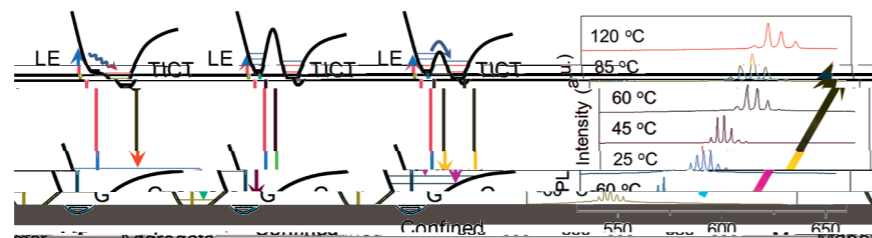
Pioneered the research of organic nanophotonic materials and devices, especially organic nanoscale lasers. Proposed new strategy for the construction of flexible photonic integrated circuits.

Fu Hongbing

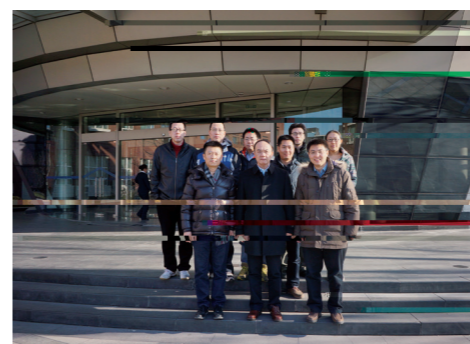
Extended the study of quantum confinement effect to organic nanocrystals. Found the exciton chirality, and size-dependent optical effect of organic low-dimensional materials.



For the first time, the research group found the quantum confinement effect based on the charge transfer (CT) excitons in organic aggregates



Achieved organic nanoscale lasers with continuously tunable wavelength based on the four-level-structures in organic supramolecular confinement systems



Outstanding achievement award

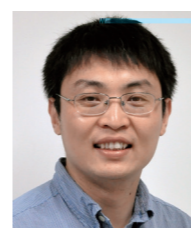
有机光功能材料研究集体

推荐单位：中国科学院化学研究所

研究集体主要科技贡献：



Yao Jiannian



Zhao Yongsheng



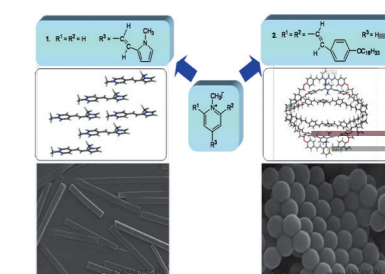
Fu Hongbing

研究集体突出贡献者

研究集体主要完成者



The project of "Controlled synthesis and properties of low-dimensional opto-functional materials" was recognized by the National Natural Science Award in 2014



Realized controlled synthesis of organic nanostructures based on the weak intermolecular interactions at molecular and supramolecular dimensions