

Photoinduced Self-Structured Surface Pattern on Molecular Azo Glass Film: Structure-Property Relationship and Wavelength Correlation

*Xiaolin Wang, Jianjun Yin and Xiaogong Wang**

Department of Chemical Engineering, Laboratory for Advanced Materials, Tsinghua
University, Beijing 100084, P. R. China

* Corresponding author. Email: wxg-dce@mail.tsinghua.edu.cn

Supporting Information

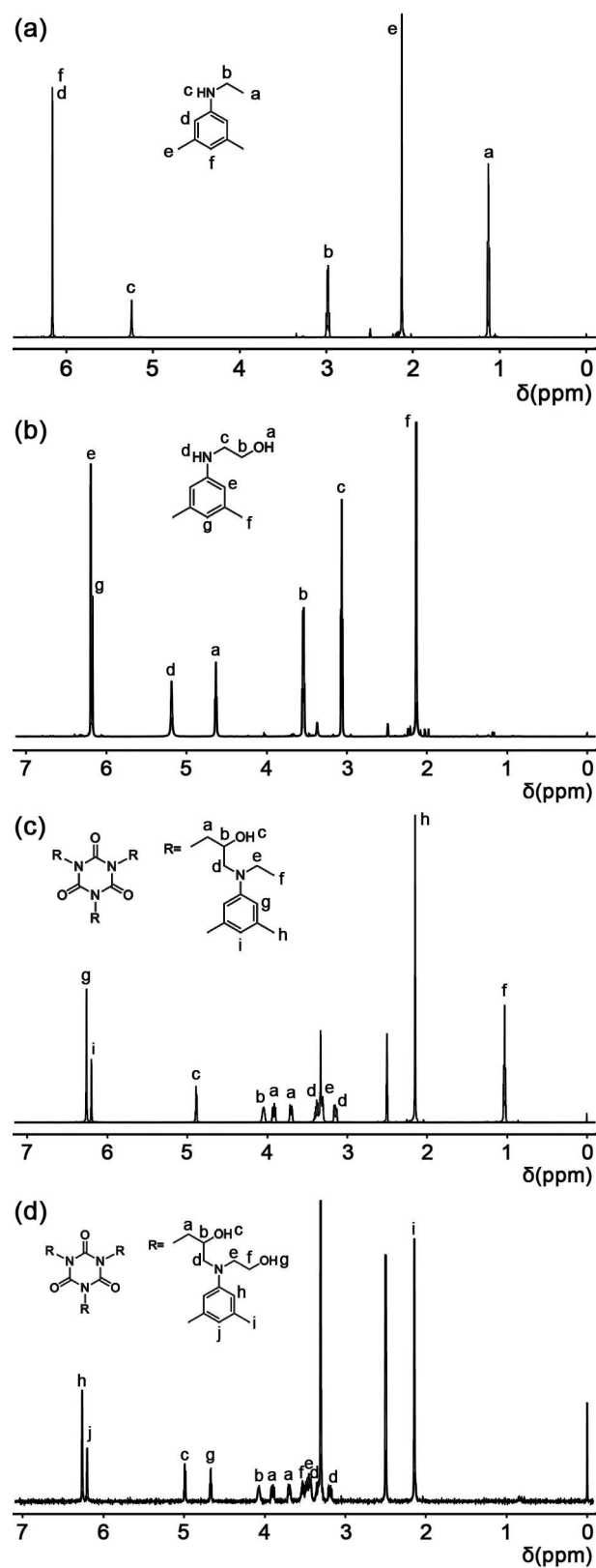


Figure S1. ¹H-NMR spectra of: (a) *N*-ethyl-3,5-dimethylaniline; (b) 2-((3,5-dimethylphenyl)-amino)ethanol; (c) Tr-35AN; (d) Tr-H35AN.

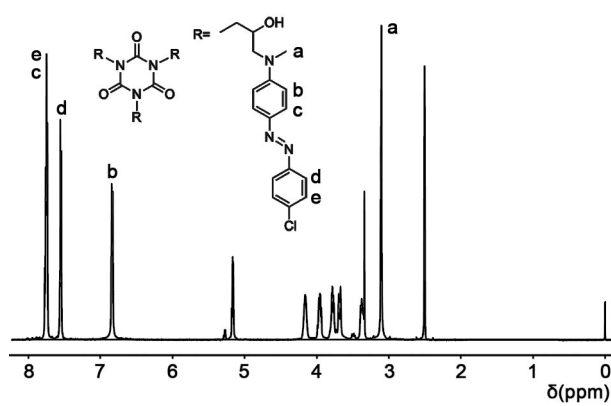


Figure S2. ^1H -NMR spectrum of Tr-AZ-Cl.

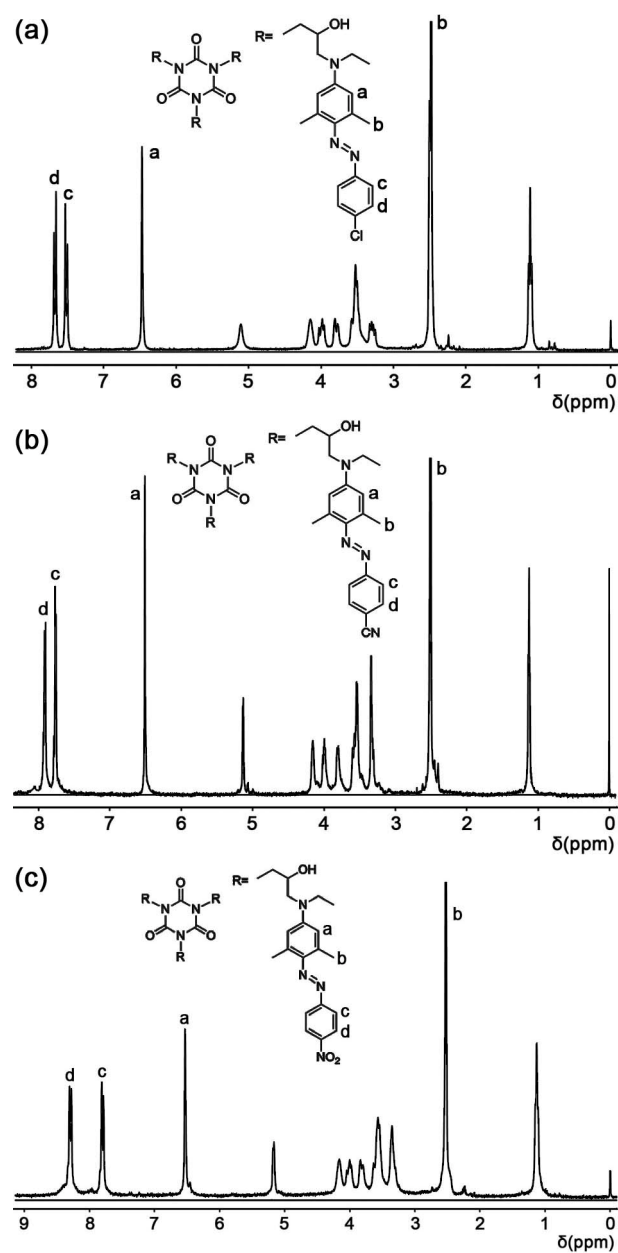


Figure S3. ^1H -NMR spectra of: (a) Tr-35AZ-Cl; (b) Tr-35AZ-CN; (c) Tr-35AZ-NT.

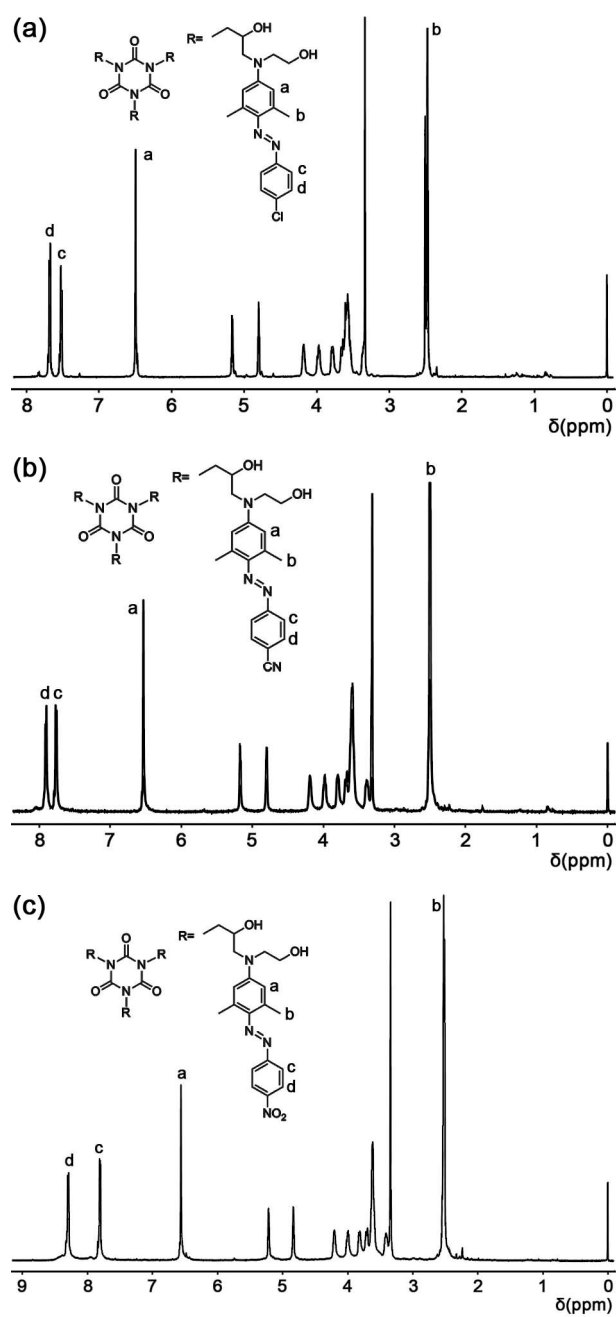


Figure S4. ^1H -NMR spectra of: (a) Tr-H35AZ-Cl; (b) Tr-H35AZ-CN; (c) Tr-H35AZ-NT.

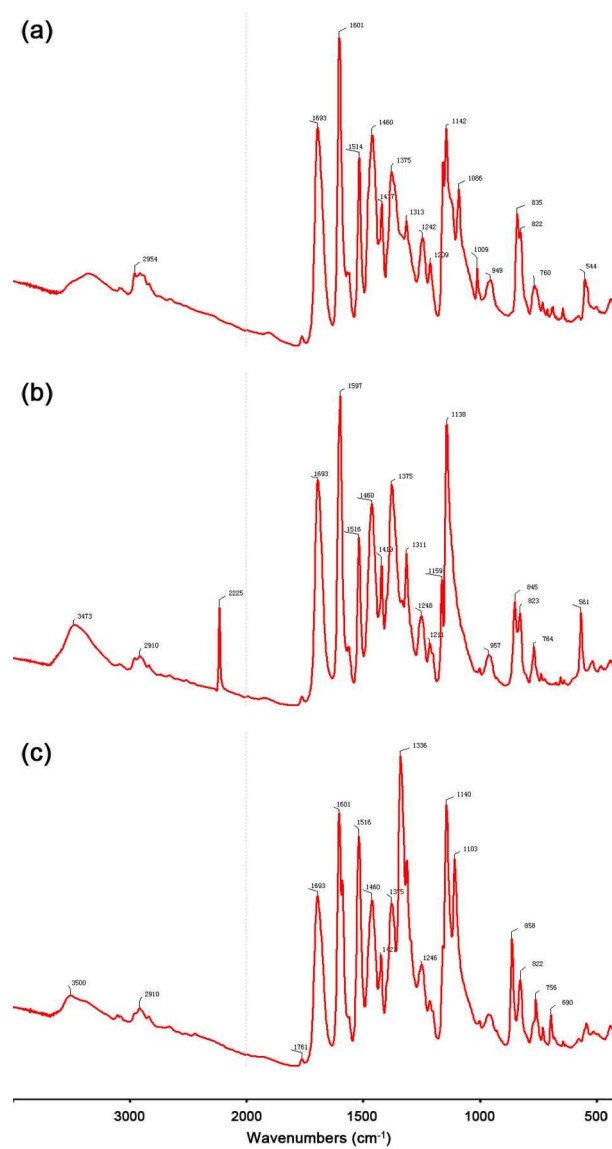


Figure S5. IR spectra of: (a) Tr-AZ-Cl; (b) Tr-AZ-CN; (c) Tr-AZ-NT.

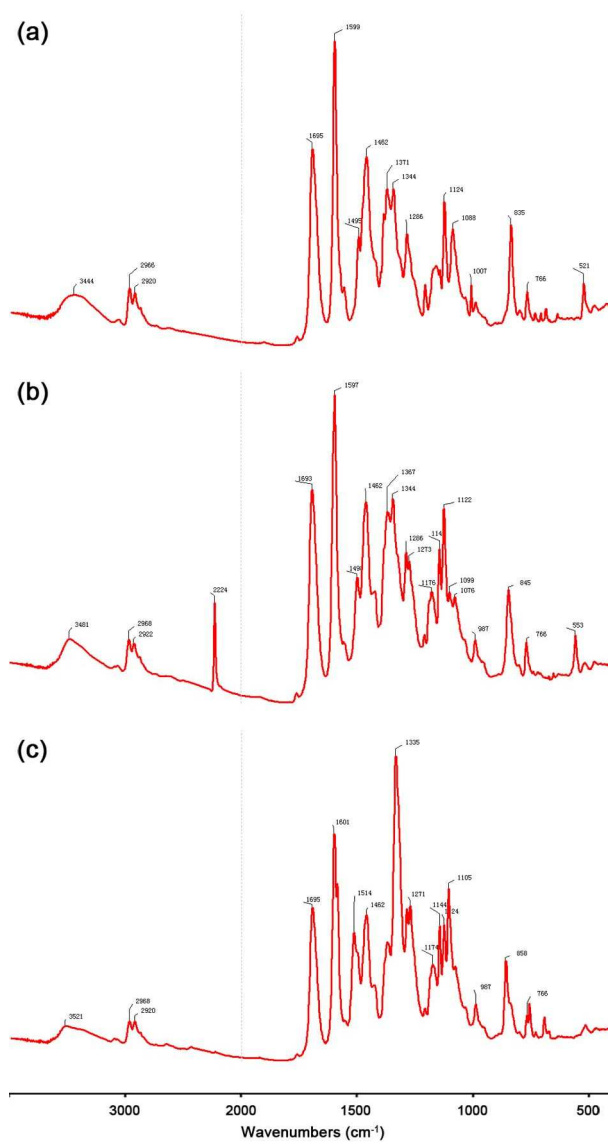


Figure S6. IR spectra of: (a) Tr-35AZ-Cl; (b) Tr-35AZ-CN; (c) Tr-35AZ-NT.

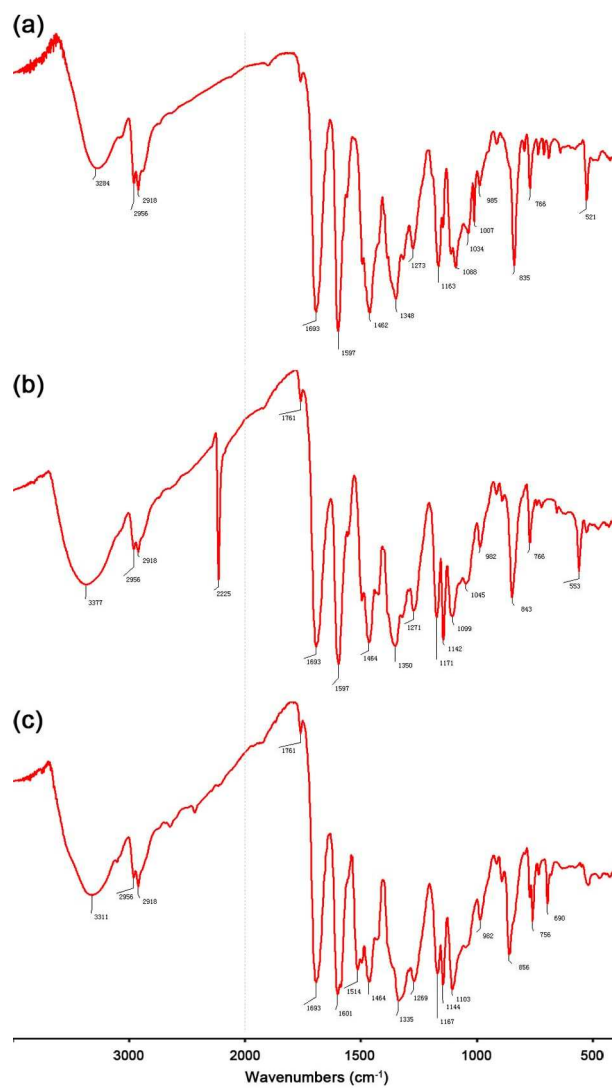


Figure S7. IR spectra of: (a) Tr-H35AZ-Cl; (b) Tr-H35AZ-CN; (c) Tr-H35AZ-NT.

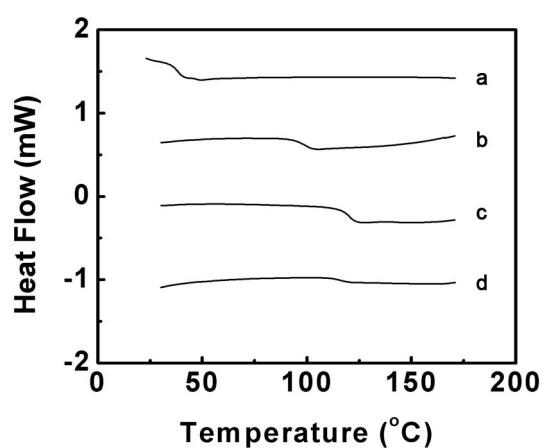


Figure S8. DSC curves of: (a) Tr-AN; (b) Tr-AZ-Cl; (c) Tr-AZ-CN; (d) Tr-AZ-NT.

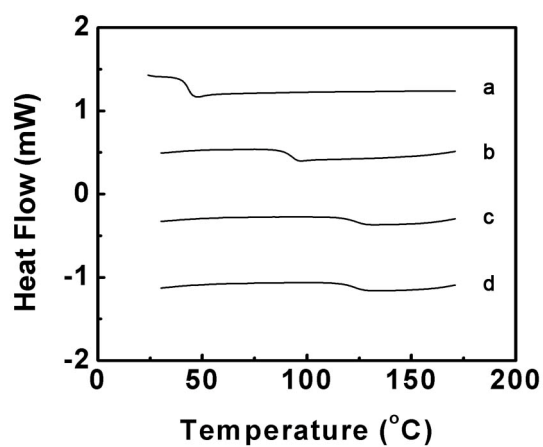


Figure S9. DSC curves of: (a) Tr-35AN; (b) Tr-35AZ-Cl; (c) Tr-35AZ-CN; (d) Tr-35AZ-NT.

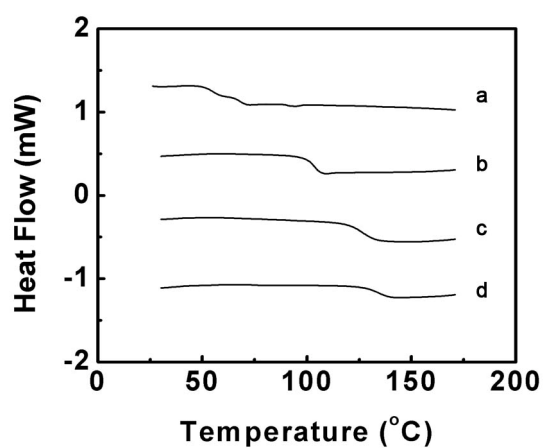


Figure S10. DSC curves of: (a) Tr-H35AN; (b) Tr-H35AZ-Cl; (c) Tr-H35AZ-CN; (d) Tr-H35AZ-NT.