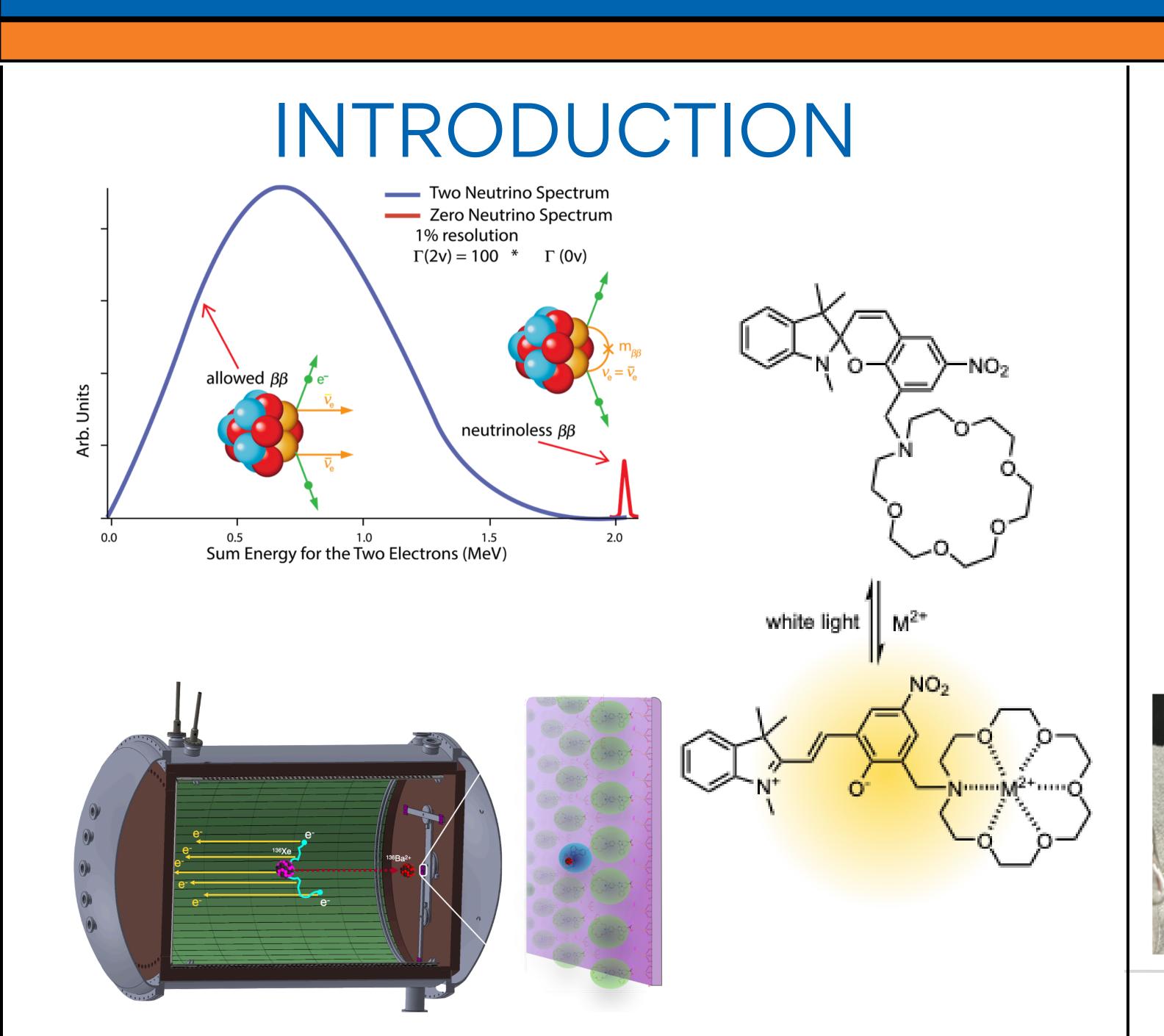


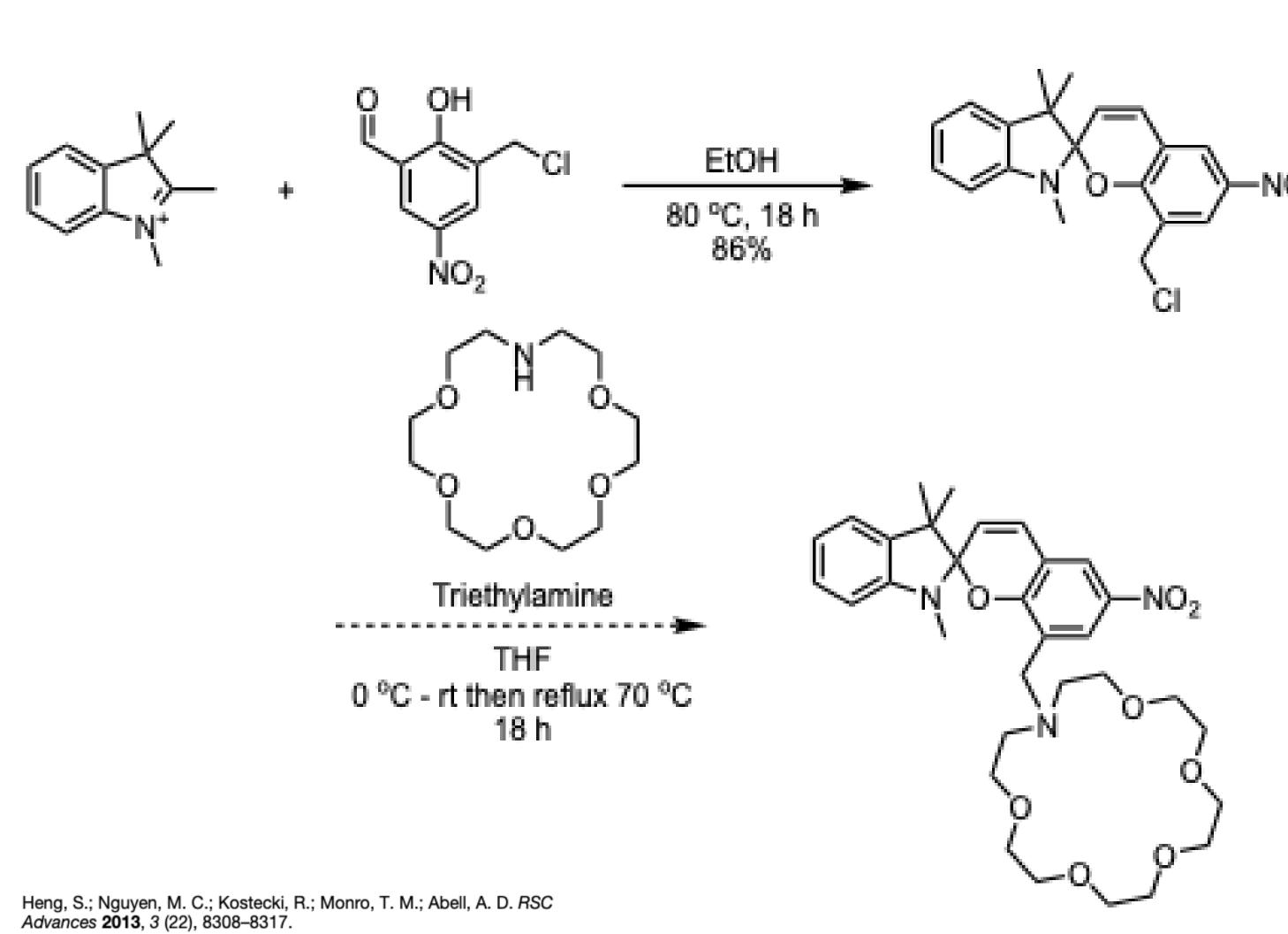
Fluorescent Chemosensing Molecules and Materials for Gas Phase Ion Detections

REAGAN L. MILLER, FRANK W. FOSS JR.*

Functional Organic Reactions & Materials

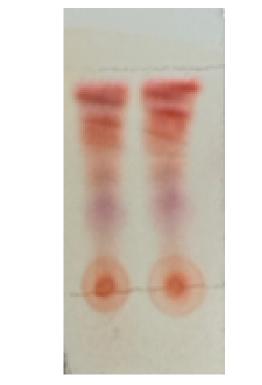






Stubing, D. Disssertation 2017.

PURIFICATION ISSUES



Each isomer exhibits different retention factors (RF) which makes chromatography challenging

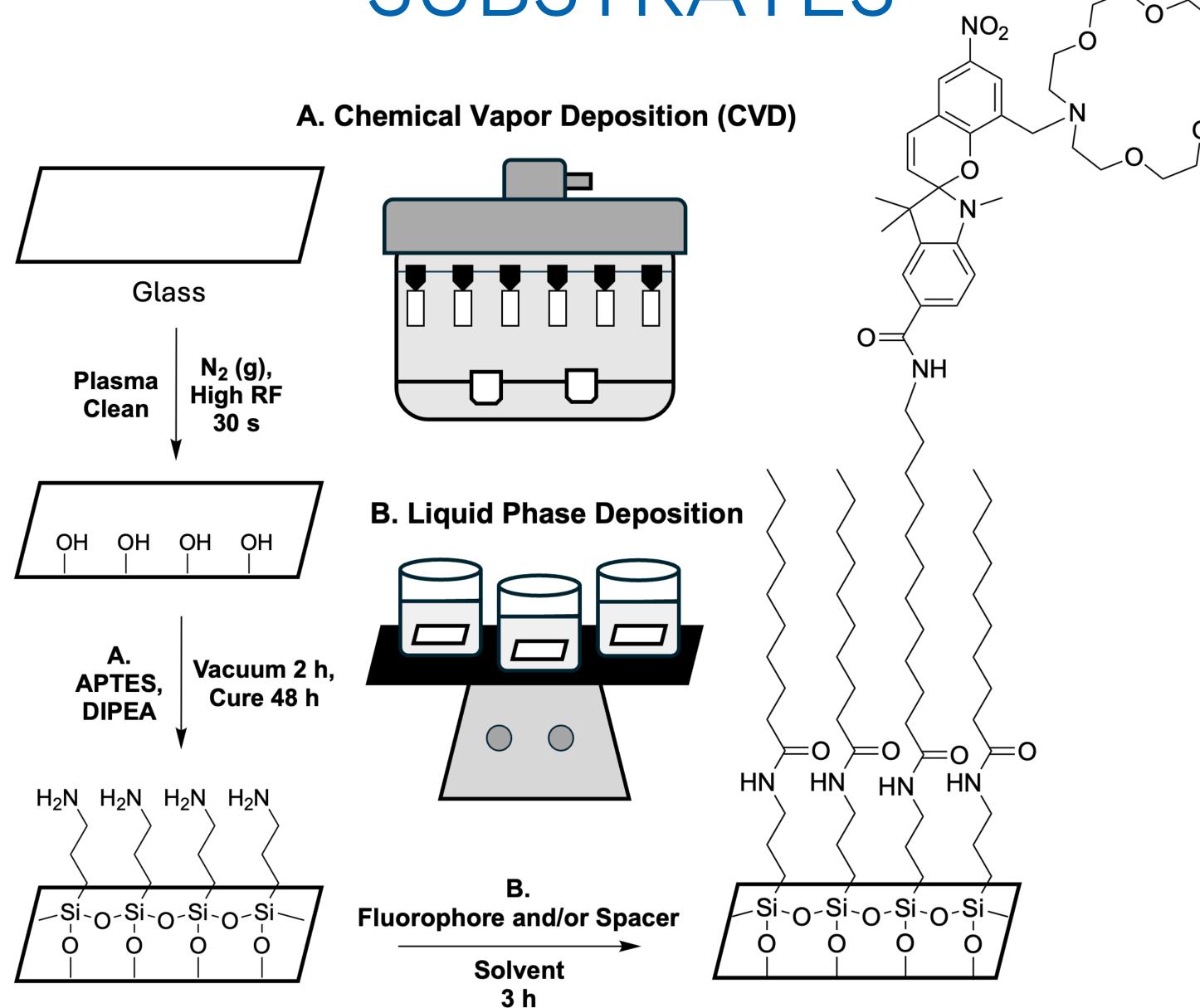


Attempts towards purity

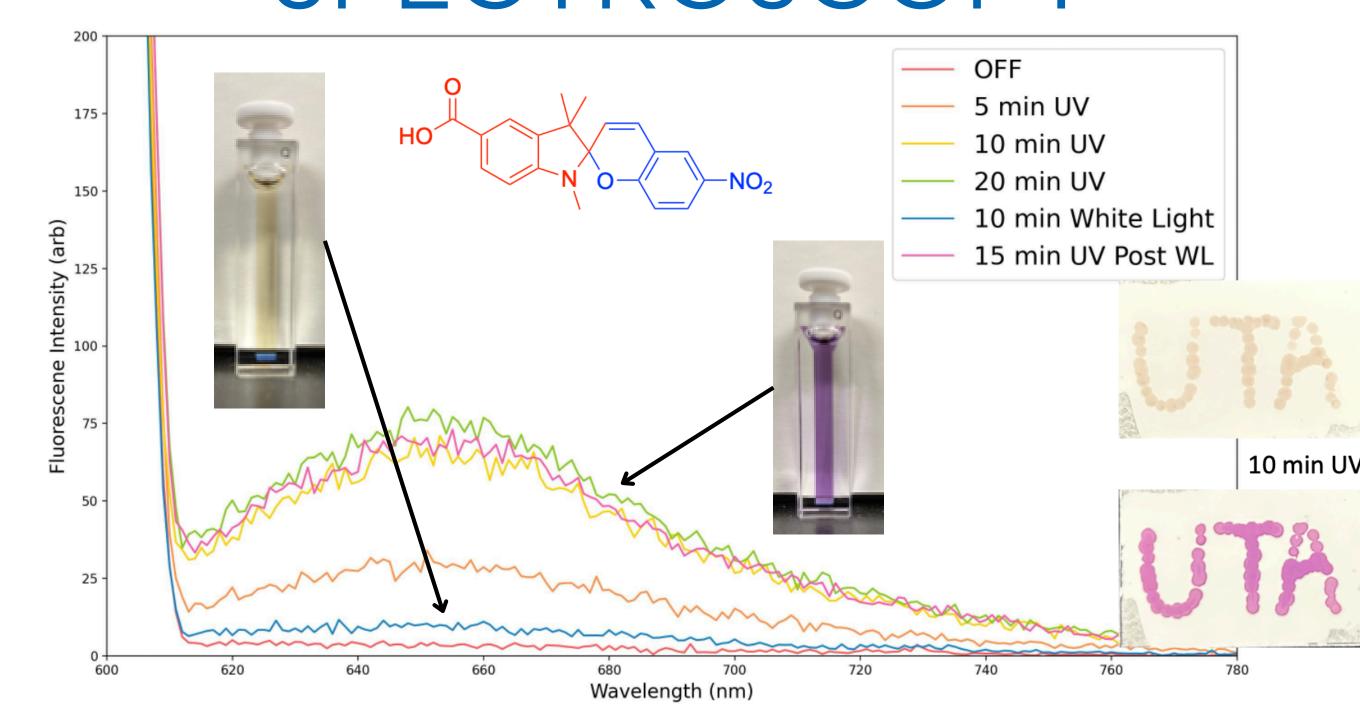
- Normal Phase
- Reverse Phase
- Basic Alumina
- Recrystallization
- Crashing out of Polar and Nonpolar Solvents
- Shielding from light



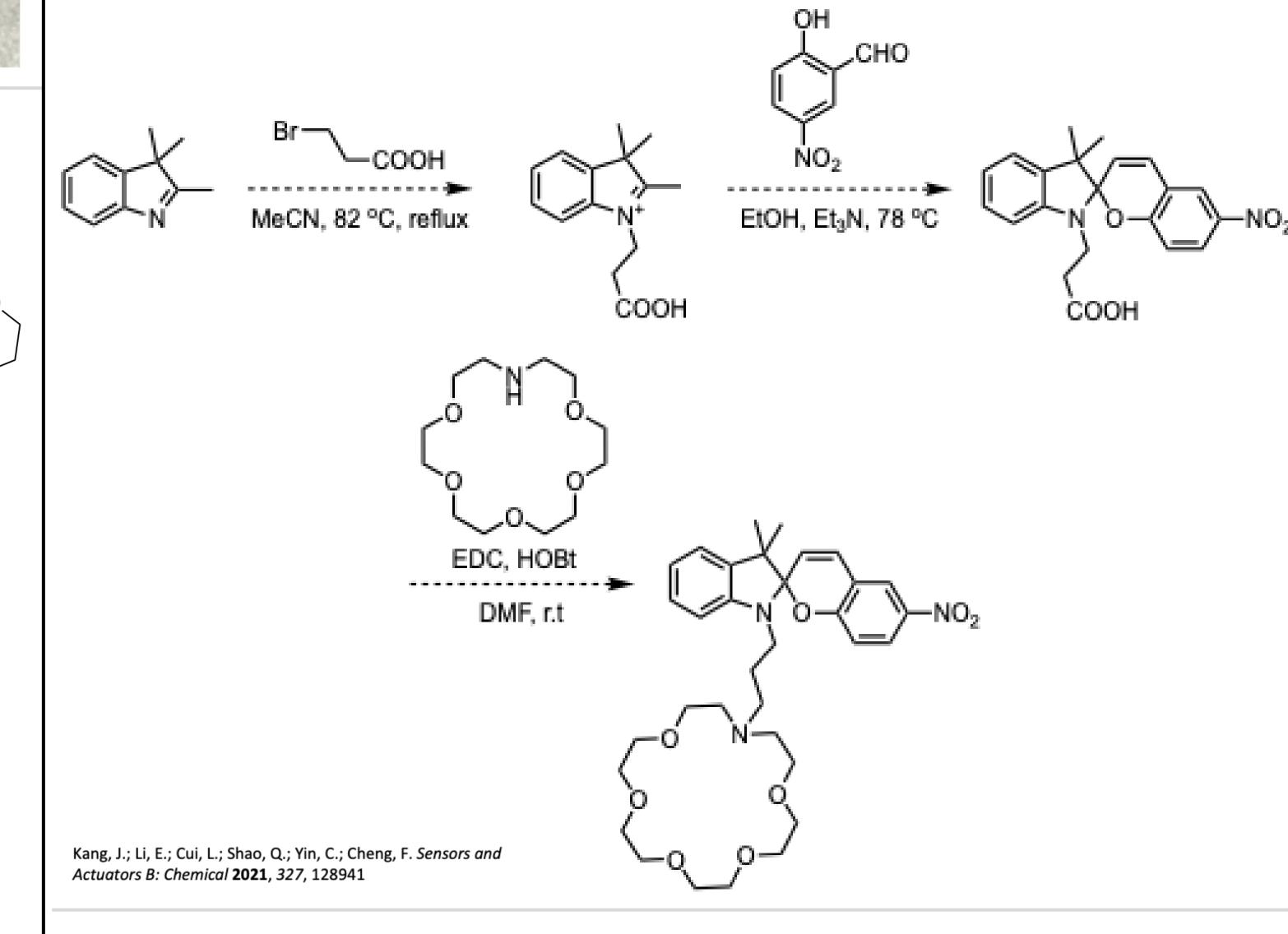
IMMOBILIZATION ON GLASS SUBSTRATES



PRELIMINARY SPECTROSCOPY



ALTERNATIVE PATHWAY



FUNDING & COLLABORATION



