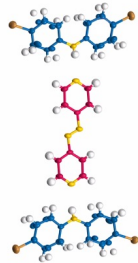


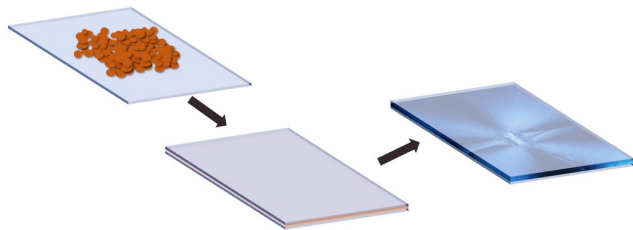
Introduction

Search for carbon-based materials for devices that convert light into electricity.



We investigated

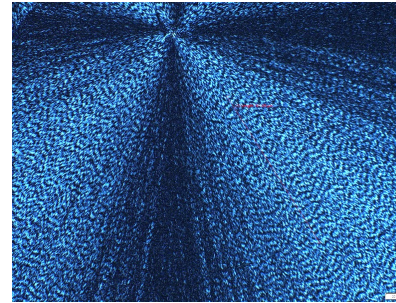
Methods



Melting powder between glass slides.

Crystallization

Mix with damar gum (12 wt%)
Melt at 140°C
Cool at 70°C
No pressure



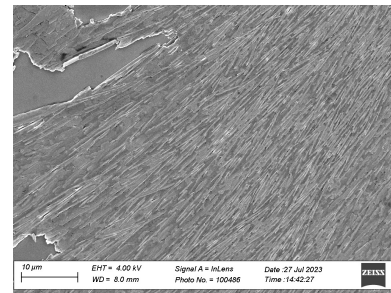
Conclusion

BrDPA-AzoBipy has promising absorbance properties deserving further study.

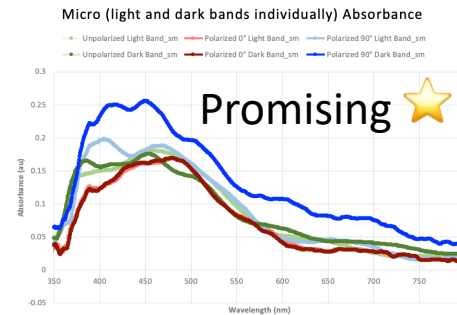
Future Work

Testing in more light-absorbing devices.

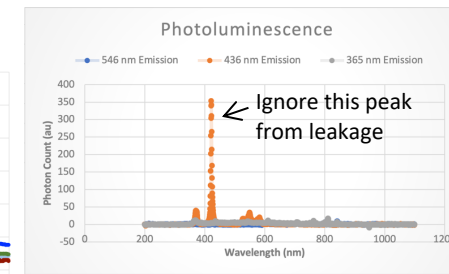
Characterization



SEM



Absorbance
Microspectroscopy



No photoluminescence

Photodetector →



Acknowledgements

I want to thank Dr. Steph Lee for offering this research opportunity and my mentor, Pallavi for her generous help and time. Thank you to Merritt, Dr. Mandal, Terrence, Akash, and others for helping!