

Curriculum Vitae

Personal Information

Name: Yifan Bo

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Education Background

- Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) 2019 – present

Department of Chemistry and Pharmacy

PhD in Physical Chemistry under the supervision of Prof. Dr. Dirk M. Guldi

Topic: Light management and solar energy conversion in advanced functional materials

- Nanjing University of Posts and Telecommunications (NUPT) 2016 – 2019

Institute of Advanced Materials (IAM)

M.S. in Optical Engineering

- Nanjing University of Posts and Telecommunications (NUPT) 2012 – 2016

Institute of Advanced Materials (IAM)

B.S. in Polymer Materials Science and Engineering

Award and scholarship

- Poster Award at the 13th SolTech (Solar Technologies Go Hybrid) Conference, 2024
- Scholarship from China Scholarship Council, 2019
- Second Prize of NUPT Innovation and Entrepreneurship Competition, 2018
- Scholarship from NUPT for Master/Bachelor students, 2013–2018

Extracurricular Activity

- Qipao show in ‘Chinesisches Fest rund um den Mond in Erlangen’ organized by Deutsch-Chinesische Bildung und Kulturverein, Oct. 10, 2021, Erlangen, Germany.
- Contributed to promoting FAU student recruitment initiatives in China and increasing FAU’s recognition in China on social media at the PhD Workshop China 2024 hosted by the China Education Association for International Exchange.
- Coordinated and hosted Chinese scientific delegations from Guizhou (Nov. 11, 2024) and Zhejiang (Dec. 9, 2024), including professors and researchers from top-tier institutions in China such as Guizhou University, Zhejiang University, etc.
- Facilitated the onboarding and cultural integration of multiple visiting scholars and

postdocs at FAU.

Conference and Presentation

- Poster presentation at the 32nd International Conference on Photochemistry, Jul. 13 – 18, 2025. Aachen, Germany
- Talk and poster presentation at the 13th SolTech (Solar Technologies Go Hybrid) Conference, Sept. 25 – 27, 2024, Nürnberg, Germany
- Talk at GSMS (Graduate School Molecular Science) Winter School, Feb. 9 – 14, 2020, Kirchberg, Austria

Scientific Publication Summary

Number of published papers: 23

Number of review papers: 1

Citation: 350; H index: 9

Selected publications:

- **Bo, Y.**; Hou, Y.; Lavergne, D. A. X.; Clark, T.; Ferguson, M. J.; Tykwinski, R. R.; Guldi, D. M. Reversible Gating of Singlet Fission by Tuning the Role of a Charge-Transfer State. *Nat. Commun.* 2025, 16 (1), 2968. <https://doi.org/10.1038/s41467-025-58168-9>. (This paper is selected as **Editors' Highlight**)
- **Bo, Y.**; Zink-Lorre, N.; Weiß, R.; Sastre-Santos, Á.; Clark, T.; Fernández-Lázaro, F.; Guldi, D. M. Oxygen-Mediated Sequential Down-Conversion in Perylenediimides. *Artif. Photosynth.* 2025. <https://doi.org/10.1021/aps.5c00002>. (This paper is selected as **supplementary cover** and **ACS Editors' Choice**)
- **Bo, Y.**;† Hou, Y.;† Thiel, D.;† Weiß, R.; Clark, T.; Ferguson, M. J.; Tykwinski, R. R.; Guldi, D. M. Tetracene Dimers: A Platform for Intramolecular Down- and Up-Conversion. *J. Am. Chem. Soc.* 2023, 145 (33), 18260–18275. <https://doi.org/10.1021/jacs.3c02417>. (This paper is selected as **supplementary cover** and chosen as **highlighted focus** by Nature Synthesis) († These authors contributed equally to this work.)
- **Bo, Y.**;† Hou, P.;† Wan, J.; Cao, H.; Liu, Y.; Xie, L.; Guldi, D. M. One-Pot Synthesis and Excited-State Dynamics of Null Exciton-Coupled Diketopyrrolopyrroles Oligo-Grids. *Adv. Mater.* 2023, 35, 2302664. <https://doi.org/10.1002/adma.202302664>. († These authors contributed equally to this work.)
- **Bo, Y.**; Zhang, H.; Li, Y.; Reva, Y.; Xie, L.; Guldi, D. M. Tuning the Absorption, Fluorescence, Intramolecular Charge Transfer, and Intersystem Crossing in Spiro[Fluorene]Acridinone. *Angew. Chemie - Int. Ed.* 2024, 63 (13), e202313936. <https://doi.org/10.1002/anie.202313936>.
- Greißel, P. M.; Wollny, A.-S.; **Bo, Y.**; Thiel, D.; Weiß, R.; Guldi, D. M. Molecular Acenes for Light Capture, Conversion, and Storage. *Accounts Mater. Res.* 2025, 6 (2), 172–182. <https://doi.org/10.1021/accountsmr.4c00305>.