

Xinzhe Zhang

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Office 417, Teaching Building 5, Nankai University
94 Weijin Road, Nankai District, Tianjin, P.R.China

EDUCATION

- | | |
|--|--------------------------------------|
| • M.S. Nankai University , Tianjin, China
<i>Optics</i> , GPA:93.46/100, adviser: <i>Jing Chen</i> | Sept. 2023 - Jun. 2025
(expected) |
| • B.S. Nankai University , Tianjin, China
<i>Physics</i> , GPA:88.01/100 | Sept. 2019 - Jun. 2023 |

RESEARCH INTERESTS

- Nanophotonics
- PT symmetric optics
- Metasurfaces
- nonlinear optics

PUBLICATIONS

1. **ZHANG XZ**, LUO RZ, CHEN J. Revisit the Poynting vector in PT-symmetric coupled waveguides [J]. OPTICS EXPRESS, 2022, 30(21): 38753-63.[DOI]
2. WU LT, **ZHANG XZ**, LUO RZ, et al. Non-Hermitian guided modes and exceptional points using loss-free negative-index materials [J]. OPTICS EXPRESS, 2023, 31(9): 14109-18.[DOI]
3. **ZHANG XZ**, WU LT, LUO RZ, et al. Higher-order exceptional points using lossfree negative-index materials [J]. PHYSICA SCRIPTA, 2023, 98(9).[DOI]
4. WU LT, **ZHANG XZ**, GUO TJ, et al. Superluminality in parity-time symmetric Bragg gratings [J]. PHYSICA SCRIPTA, 2024, 99(8).[DOI]

SKILLS

- **Programming Languages:** MATLAB, Python(numpy, pandas), \LaTeX , HTML
- **Softwares:** COMSOL, Git

HONORS AND AWARDS

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| • Scholarship of Public Interests and All-Round Capability
<i>Granted by Nankai University</i> | 2024 |
| • National Scholarship
<i>Top 1/130+, Granted by Nankai University</i> | 2023 |
| • National Encouragement scholarship
<i>Granted by Nankai University</i> | 2022 |
| • National Encouragement scholarship
<i>Granted by Nankai University</i> | 2021 |

LANGUAGES

TOEFL: 90 (22 | 23 | 23 | 22)
GRE: 330 (161+169)