

Media Coverage

- Participation in Work: Yuqi Chen, Sixuan Li, Ying Li, et al., EMNLP main, 2024. Covered by [DeepTech](#) and [MIT Technology Review China](#).
- Co-first Author Work: Hong Li, Qiuhui Li, Ying Li (co-first author), et al., *Advanced Functional Materials*, 34(38): 2402474, 2024. Covered by [Physics Department of Peking University](#).
- First Author Work: Ying Li, et al. *Physical Review Applied*, 20(6):064044, 2023. Covered by [Fermi Technology](#).

Selected Publications

- [1] Sixuan Li, **Ying Li**, et al. AnaX: Anatomy-Aware Hybrid Network for ADHD fMRI Diagnosis. *submitted to MICCAI 2025*.
- [2] Yuqi Chen, Sixuan Li, **Ying Li**, et al. Surveying the dead minds: Historical-psychological text analysis with contextualized construct representation (CCR) for classical Chinese. *EMNLP main*, 2024.
- [3] **Ying Li**, et al. Electrical contacts in monolayer MoSi₂N₄ transistor. *ACS Applied Materials & Interfaces*, 16(37): 49496–49507, 2024.
- [4] **Ying Li**, et al. Monolayer WSi₂N₄: A promising channel material for sub-5-nm-gate homogeneous CMOS devices. *Physical Review Applied*, 20(6):064044, 2023.
- [5] **Ying Li**, et al. Quantum transport simulation of sub-1-nm gate length monolayer MoS₂ transistors. *arXiv:2404.13801*, *Advanced Functional Materials (under review)*, 2024.
- [6] **Ying Li**, et al. Ballistic MoS₂ transistors with ultra-high on-state current. *Science China Materials*, 67(10): 3083-3086, 2024.
- [7] Hong Li, Qiuhui Li, **Ying Li (co-first author)**, et al. Recent experimental breakthroughs on 2D transistors: Approaching the theoretical limit. *Advanced Functional Materials*, 34(38): 2402474, 2024.
- [8] **Ying Li**, et al. Review on quantum advantages of sampling problems. *Acta Physica Sinica*, 70(21): 210201, 2021.
- [9] Benchuan Lin, Shuo Wang, Anqi Wang, **Ying Li**, et al. Electric control of fermi arc spin transport in individual topological semimetal nanowires. *Physical Review Letters*, 124(11):116802, 2020.
- [10] Xinyue Yang, Shibo Fang, **Ying Li**, et al. Ab-Initio Quantum Transport Simulation of Sub-1 nm Gate Length Monolayer and Bilayer WSe₂ Transistors: Implications for Ultra-Scaled CMOS Technology. *ACS Applied Nano Materials*, 8(7): 3460-3470, 2025.
- [11] Xingyuan Wang, Huazhou Chen, **Ying Li**, et al. Microscale vortex laser with controlled topological charge. *Chinese Physics B*, 25(12): 124211, 2016.