

Curriculum Vitae: Zhiwen Shi

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EDUCATION

- Ph.D. in physics Institute of Physics, Chinese Academy of Sciences, 01/2012
Advisor: Guangyu Zhang & Enge Wang
- B.S. in physics University of Science and Technology of China, 07/2007

PROFESSIONAL EXPERIENCE

- Associate Professor Shanghai Jiao Tong University, 02/2016 – present
- Postdoctoral Fellow University of California, Berkeley, 04/2012 – 02/2016
Advisor: Feng Wang

AWARDS AND HONORS

- Shanghai Shuguang Scholar, 2019
- Top 10 Class Teacher of SJTU, 2018
- Shanghai “Thousand Talents” Award, 2018
- Outstanding Youth Post Expert, 2018
- National “Thousand Youth Talents” Award, 2017
- Shanghai Eastern Scholar, 2016
- Outstanding Graduate of the University of Chinese Academy of Sciences, 2012
- The CAS President Awards for excellent research, 2011
- Director’s Fellowship of the Institute of Physics, 2010

SELECTED PUBLICATIONS

1. Yiran Zhang, Cheng Hu, Bosai Lyu, Hongyuan Li, Zhe Ying, Lele Wang, Aolin Deng, Xingdong Luo, Qiang Gao, Jiajun Chen, Jing Du, Peiyue Shen, Kenji Watanabe, Takashi Taniguchi, Ji-Hun Kang, Feng Wang, Yueheng Zhang, Zhiwen Shi*, Tunable Cherenkov Radiation of Phonon Polaritons in Silver

- Nanowire/Hexagonal Boron Nitride Heterostructures. **Nano Letters**, 20, 4, 2770 (2020).
2. Bosai Lyu, Hongyuan Li, Lili Jiang, Wanfei Shan, Cheng Hu, Aolin Deng, Zhe Ying, Lele Wang, Yiran Zhang; Hans Bechtel, Michael Martin, Takashi Taniguchi, Kenji Watanabe, Weidong Luo, Feng Wang, Zhiwen Shi*, Phonon polariton assisted infrared nano-imaging of local strain in hexagonal boron nitride. **Nano Letters**, 19,1982(2019).
 3. Hongyuan, Zhe Ying, Bosai Lyu, Aolin Deng, Lele Wang, Takashi Taniguchi, Kenji Watanabe, Zhiwen Shi*, Electrode-Free Anodic Oxidation Nanolithography of Low Dimensional Materials. **Nano Letters**, 18, 8011(2018).
 4. Lili Jiang, Sheng Wang, Zhiwen Shi*, Chenhao Jin, M. Iqbal Bakti Utama, Sihan Zhao, Yuen-Ron Shen, Hong-Jun Gao, Guangyu Zhang & Feng Wang*, Manipulation of domain-wall solitons in bi- and trilayer graphene. **Nature Nanotechnology**, 13, 204–208 (2018).
 5. Lili Jiang#, Zhiwen Shi# (co-first author), et. al., Soliton-dependent plasmon reflection at bilayer graphene domain walls, **Nature Materials**, 15, 840-844 (2016).
 6. Long Ju#, Zhiwen Shi# (co-first author), et. al., Topological valley transport at bilayer graphene domain walls, **Nature**, 520, 650 (2015).
 7. Zhiwen Shi, Xiaoping Hong, et. al., Observation of Luttinger-liquid plasmon in metallic single-walled carbon nanotubes, **Nature Photonics**, 9, 515 (2015).
 8. Zhiwen Shi, Hans, Betchel, et. al., Amplitude- and phase-resolved nanospectral imaging of phonon polaritons in hexagonal boron nitride, **ACS Photonics**, 2(7), 790-796 (2015).
 9. Zhiwen Shi, Chenhao Jin, et. al., Gate-dependent pseudospin mixing in graphene/boron nitride Moiré superlattice, **Nature Physics**, 10, 743 (2014).
 10. Zhiwen Shi, et. al., Patterning Graphene with Zigzag Edges by Self-Aligned Anisotropic Etching, **Advanced Materials**, 23(27), 3061 (2011).