

**Supporting Information for: Distinctive Electron Transport
on Pyridine-Linked Molecular Junction with Narrow
Monolayer Graphene Nanoribbons Electrodes Compared
with Metal Electrodes and Graphene Electrodes**

Jie Li, Tao Li, Yi Zhou, Weikang Wu, Leining Zhang, Hui Li*

*Key Laboratory for Liquid-Solid Structural Evolution and Processing of
Materials, Ministry of Education, Shandong University, Jinan 250061,
People's Republic of China.*

Email: lihuilmy@hotmail.com

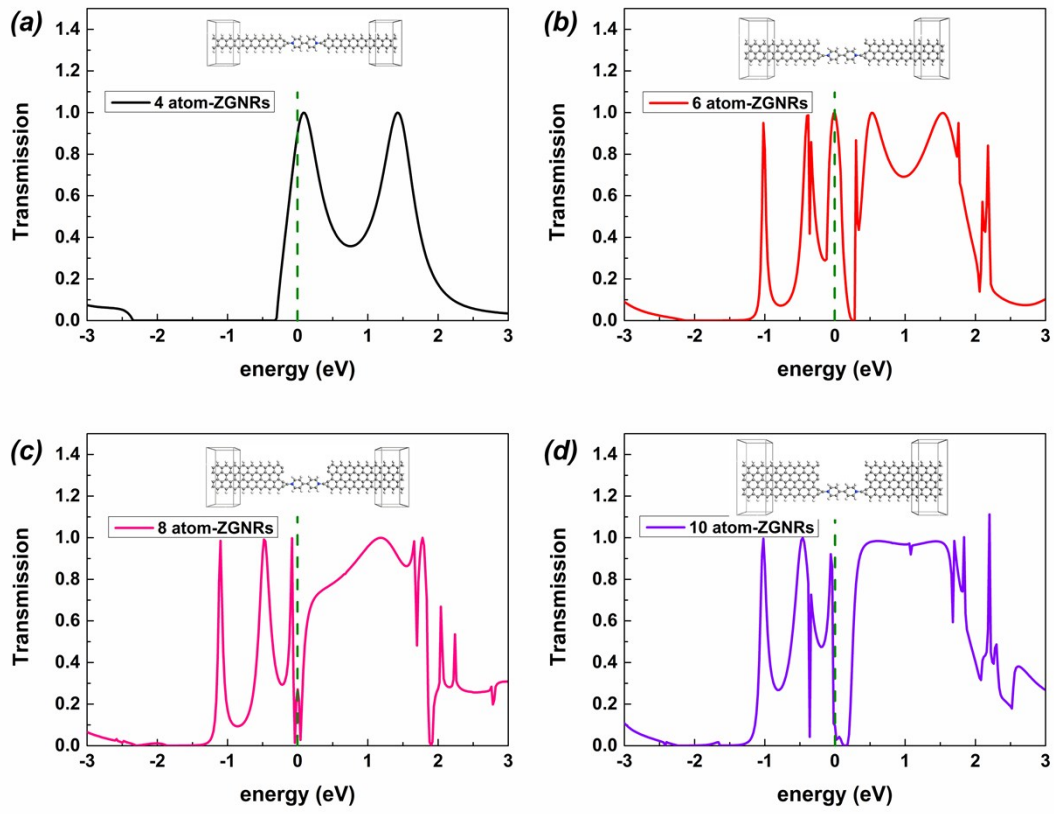


Figure S1 (a)-(d) Transmission spectra of the devices with 4-atoms wide ZGNRs, 6-atoms wide ZGNRs, 8-atoms wide ZGNRs and 10-atoms wide ZGNRs electrodes respectively; the insets are structures of these devices.

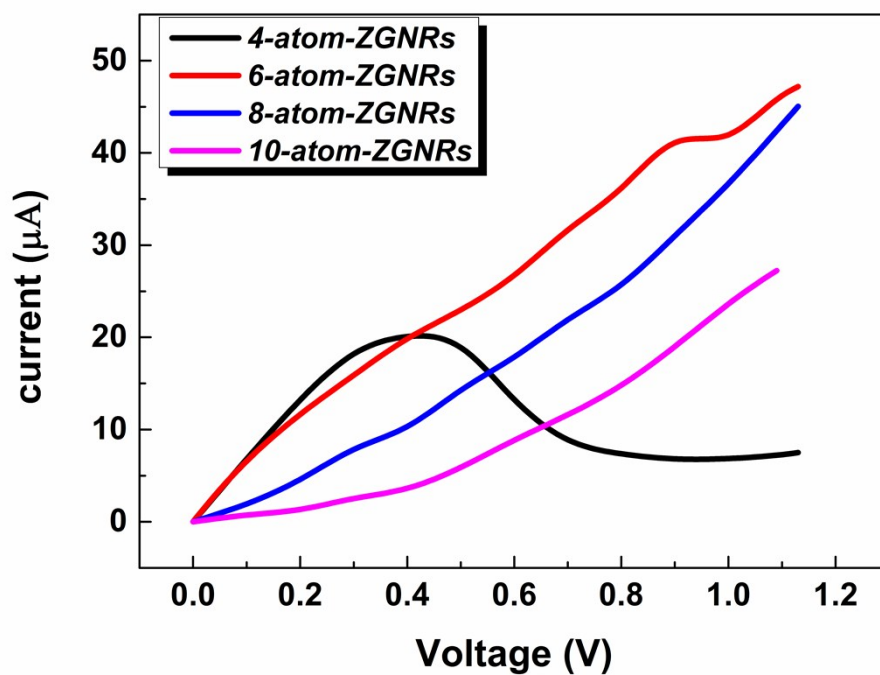


Figure S2 I-V curves of the devices with 4-atoms wide ZGNRs, 6-atoms wide ZGNRs, 8-atoms wide ZGNRs and 10-atoms wide ZGNRs electrodes in a bias region [0V, 1.2V].

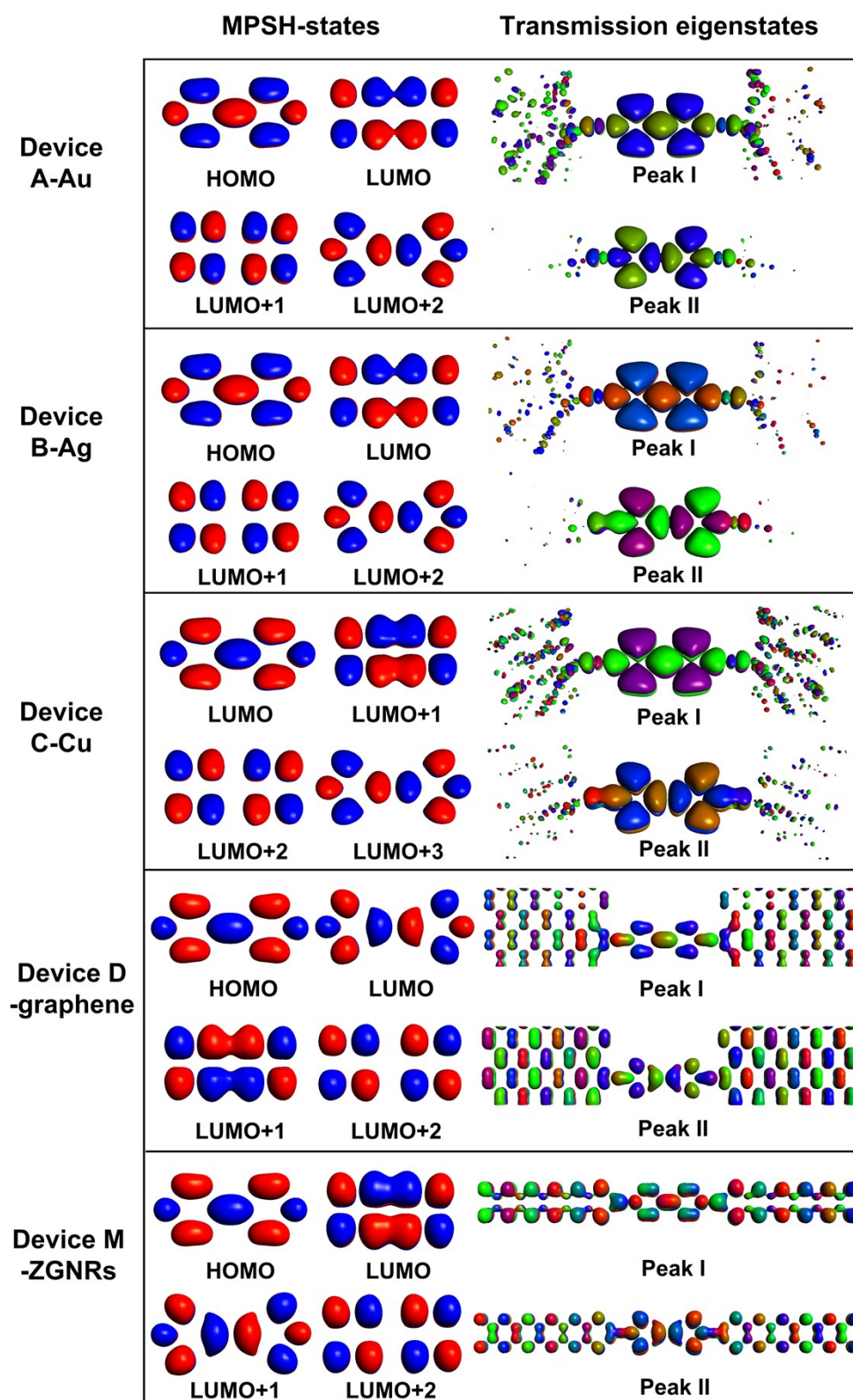


Figure S3 The molecular projected self-consistent Hamiltonian (MPSH) eigenstates and the transmission eigenstates of these studied devices at zero bias.