

Supporting Information (SI)

**Graphene hetero-multilayer on layered platinum mineral Jacutingaite
(Pt₂HgSe₃): Van der Waals heterostructures with novel optoelectronic and
thermoelectric performances**

A. Bafekry^{1*}, M. M. Obeid², Chuong V. Nguyen^{3*}, M. Bagheri Tagani¹,
M. Ghergherehchi^{4*}

¹*Department of Physics, University of Guilan, 41335-1914 Rasht, Iran*

²*Department of Ceramics, College of Materials Engineering, University of Babylon,
51002, Hilla, Iraq*

³*Department of Materials Science and Engineering, Le Quy Don Technical University,
Ha Noi 100000, Vietnam.*

⁴*College of Electronic and Electrical Engineering, Sungkyun kwan University, Suwon,
Korea*

*To whom correspondence should be addressed. Email: Asdollah.Baafekry@uantwerpen.be;
mitragh@skku.edu; and chuongnguyen11@gmail.com

