

Publications and Invited Talks

Atsushi Oshiyama

(A) Original Papers

1. K. M. Bui, J.-I. Iwata, Y. Kangawa, K. Shiraishi, Y. Shigeta, and A. Oshiyama, “First-Principle Study of Ammonia Decomposition and Nitrogen Incorporation on the GaN Surface in Metal Organic Vapor Phase Epitaxy” *J. Cryst. Growth* **507**, 421-424 (2019)
2. T. Kobayashi, Y.-i. Matsushita, T. Kimoto and A. Oshiyama, “Structural determination of phosphosilicate glass based on first-principles molecular dynamics calculation” *Jpn. J. Appl. Phys.* **58**, 011001 (2019). .
3. K. Seino and A. Oshiyama, “Microscopic Identification of Surface Steps on SiC by Density-Functional Calculations” *Proc. Int. Conf. SiC Related Materials (IC-SCRM2019)* (September 2019, Kyoto) *Mater. Sci. Forum* **1004**, pp145 (2020).

(B) Review Papers and Books

1. 押山淳、東京大学工学教程「量子力学II」(2019年、丸善出版) .

(C) Invited Talks

1. A. Oshiyama, “Large-scale density-functional calculations in real space and its application to bilayer graphene and semiconductor epitaxial growth” American Physical Society March Meeting (March 4-8, 2019, Boston, USA).