

Publications and Invited Talks

Atsushi Oshiyama

(A) Original Papers

1. E. K. K. Abavare, K. Uchida, G. K. Nkrumah-Buandoh, C. A. Yaya, and A. Oshiyama, “Indirect phase transition of TiC, ZrC and HfC crystal structures” *Phys., Sta. Solidi B* **253**, 1177 (2016).
2. J.-I. Iwata, C. Shinei and A. Oshiyama, “Density-Functional Study of Atomic and Electronic Structures of Multivacancies in Silicon Carbide” *Phys. Rev. B* **93**, 125202 (2016).
3. K. Sawada, J.-I. Iwata and A. Oshiyama, “Spontaneous Appearance of Low-dimensional Magnetic Electron System on Semiconductor Nanostructures”, *Phys. Rev. B* **93**, 235421 (2016).
4. B. Enkhtaivan and A. Oshiyama, “Multistep Atomic Reaction Enhanced by an Atomic Force Microscope Probe on Si (111) and Ge(111) Surfaces” *Phys. Rev. B* **94**, 085416 (8 pages) (2016).

(B) Review and Books

1. 押山淳、 “計算科学から迫る材料研究の現状と展望”、機能材料 (シーエムシー出版) **36** No. 9 pp4 - pp10 (2016).