

2004

[1] Akitomo Tachibana,

“Spindle structure of the stress tensor of chemical bond,”

Int. J. Quant. Chem. **100**, 981-993 (2004).

[2] Yoshihiko Kawakami, Yaichi Nojima, Kentaro Doi, Koichi Nakamura, and Akitomo Tachibana, “First-principle study on structures and electronic properties of aluminum nanowire wrapped in carbon nanotube,”

Electrochim. Acta **50**, 739-744 (2004).

[3] Kentaro Doi, Nobuyuki Higashimaki, Yoshihiko Kawakami, Koichi Nakamura, and Akitomo Tachibana,

“First-principle study on electronic properties of gallium nitride and aluminum nitride nanowires,”

Phys. Stat. Sol. B **241(12)**, 2806-2810 (2004).

[4] Takanobu Okada, Kentaro Doi, Koichi Nakamura, and Akitomo Tachibana,

“Quantum chemical study on substituent effect of gas-phase reactions in III-V nitride semiconductor crystal growth,”

Phys. Stat. Sol. B **241(12)**, 2744-2748 (2004).

[5] Koh Matsumoto and Akitomo Tachibana,

“Growth mechanism of atmospheric pressure MOVPE of GaN and its alloys: gas phase chemistry and its impact on reactor design,”

J. of Cryst. Growth **272(1-4)**, 360-369 (2004).