2011

[1] Masato Senami, Yuji Ikeda, and Akitomo Tachibana, "Local Transport Property of GaN Cluster as a Model of Nanowire",

Japanese Journal of Applied Physics, 50, 010103(7), (2011)

(Selected Topics in Applied Physics (STAP))

[2] D. J. Henry, P. Szarek, K. Hirai, K. Ichikawa, A. Tachibana and I. Yarovsky,

"Reactivity and Regioselectivity of Aluminum Nanoclusters: Insights from Regional Den sity Functional Theory",

Journal of Physical Chemistry C, 115(5), 1714-1723 (2011)

[3] Kazuhide Ichikawa, Yuji Ikeda, Ayumu Wagatsuma, Kouhei Watanabe, Pawel Szarek and Akitomo Tachibana

"Theoretical study of hydrogenated tetrahedral aluminum clusters"

International Journal of Quantum Chemistry, 111, 3548-3555 (2011)

DOI: 10.1002/qua.22848

[4] Masato Senami, Y. Ikeda, Takaaki Hara, and Akitomo Tachibana,

"Nanosize Electronics Material Analysis by Local Quantities Based on the Rigged QE D",

Key Engineering Materials, Vol. 470, pp. 66-71, (2011)

[5] Akinori Fukushima, Akira Sawairi, Kentaro Doi, Masato Senami, Liang Chen, Han song Cheng, and Akitomo Tachibana,

"Role of an Aluminum atom on Graphene for Hydrogen Adsorption",

Journal of Physical Society of Japan, 80, 074705 (9), (2011)

DOI:10.1143/JPSJ.80.074705

[6] Kazuhide Ichikawa, Ayumu Wagatsuma, Yusaku I. Kurokawa, Shigeyoshi Sakaki, A kitomo Tachibana,

"Inverted-sandwich-type and open-lantern-type dinuclear transition metal complexes: theo retical study of chemical bonds by electronic stress tensor",

Theoretical Chemistry Accounts, 130:237-250 (2011)

DOI: 10.1007/s00214-011-0966-0

[7] Yuji Ikeda, Norifumi Ohmori, Noriaki Maida, Masato Senami, Akitomo Tachibana, "Theoretical study of gallium nitride crystal growth reaction mechanism",

Japanese Journal of Applied Physics, 50, 125601(7), (2011) DOI:10.1143/JJAP.50.125601

[8] Masato Senami, Yuji Ikeda, Akinori Fukushima, Akitomo Tachibana, "Theoretical study of adsorption of lithium atom on carbon nanotube", AIP Advances, 1, 042106(12), (2011) doi:10.1063/1.3651182

[9] Kazuhide Ichikawa, Ayumu Wagatsuma, Pawel Szarek, Chenggang Zhou, Hansong Cheng, Akitomo Tachibana,

"Electronic stress tensor analysis of hydrogenated palladium clusters",

Theoretical Chemistry Accounts, 130:531-542 (2011)

DOI: 10.1007/s00214-011-1044-3