

Semiconductors II: surfaces, interfaces, microstructures, and related topics

Polaron relaxation in a quantum dot due to anharmonic coupling within a mean-field approach (<i>4 pages</i>)	113301
Tobias Stauber and Mikhail I. Vasilevskiy	
<i>Ab initio</i> theoretical study of an oxygen vacancy defect at the 4H-SiC(0001)/SiO ₂ interface (<i>4 pages</i>)	113302
Eiichi Okuno, Toshio Sakakibara, Shoichi Onda, Makoto Itoh, and Tsuyoshi Uda	
Quantum Hall effect in quantum electrodynamics (<i>4 pages</i>)	113303
Alexander A. Penin	

Surface physics, nanoscale physics, low-dimensional systems

Spin structure of an atomic protrusion: Probing single atoms on cobalt nanoislands (<i>4 pages</i>)	113401
B. W. Heinrich, C. Iacovita, M. V. Rastei, L. Limot, J. P. Bucher, P. A. Ignatiev, V. S. Stepanyuk, and P. Bruno	
van der Waals dispersion power laws for cleavage, exfoliation, and stretching in multiscale, layered systems (<i>4 pages</i>)	113402
Tim Gould, Evan Gray, and John F. Dobson	
Microscopic mechanism of templated self-assembly: Indium metallic atomic wires on Si(553)-Au (<i>4 pages</i>)	113403
Pil-Gyu Kang, Hojin Jeong, and Han Woong Yeom	
Competition between area and height evolution of Pb islands on a Si(111) surface (<i>4 pages</i>)	113404
M. Li, C. Z. Wang, J. W. Evans, M. Hupalo, M. C. Tringides, and K. M. Ho	
Local density of states, spectrum, and far-field interference of surface plasmon polaritons probed by cathodoluminescence (<i>4 pages</i>)	113405
M. Kuttge, E. J. R. Vesseur, A. F. Koenderink, H. J. Lezec, H. A. Atwater, F. J. García de Abajo, and A. Polman	
Optical response and excitons in gapped graphene (<i>4 pages</i>)	113406
Thomas G. Pedersen, Antti-Pekka Jauho, and Kjeld Pedersen	
Combined roughness and electric polarization for the local-field enhancement of the second harmonic response from a silver-electrolyte interface (<i>4 pages</i>)	113407
Y. El Harfouch, E. Benichou, I. Russier-Antoine, G. Bachelier, Ch. Jonin, L. Berlouis, and P. F. Brevet	
Screening effects in a density functional theory based description of molecular junctions in the Coulomb blockade regime (<i>4 pages</i>)	113408
R. Stadler, V. Geskin, and J. Cornil	
Molecular adsorption in graphene with divacancy defects (<i>4 pages</i>)	113409
Biplab Sanyal, Olle Eriksson, Ulf Jansson, and Helena Grennberg	
Efficient suppression of radiation damping in resonant retardation-based plasmonic structures (<i>4 pages</i>)	113410
G. Della Valle, T. Søndergaard, and S. I. Bozhevolnyi	
Theory of the spontaneous buckling of doped graphene (<i>4 pages</i>)	113411
Doron Gazit	
Uncovering the hidden gold atoms in a self-assembled monolayer of alkanethiol molecules on Au(111) (<i>4 pages</i>)	113412
Fang-Sen Li, Wancheng Zhou, and Quanmin Guo	

(Continued)