PHYSICAL REVIEW B **THIRD SERIES, VOLUME 61, NUMBER 4** **15 JANUARY 2000-II**

Silicon-induced nanostructure evolution of the GaAs(001) surface R2440
Z. M. Wang, L. Däweritz, P. Schützendübe, and K. H. Ploog

Surface physics, low-dimensional systems, and related topics

Time-delay correlations and resonances in one-dimensional disordered systems R2444
Mikhail Titov and Yan V. Fyodorov
Energetics and dynamics of Pt dimers on Pt(110)-(1×2) R2448
T. R. Linderoth, S. Horch, L. Petersen, S. Helveg, M. Schønning, E. Lægsgaard, I. Stensgaard, and F. Besenbacher
Ordering of self-diffusion barrier energies on Pt(110)-(1×2) R2452
Peter J. Feibelman
Atom-by-atom and concerted hopping of adatom pairs on an open metal surface R2456
A. Bogicevic, S. Ovesson, B. I. Lundqvist, and D. R. Jennison
Surface states of the 3C-SiC(001)-$c(4\times2)$ surface studied using angle-resolved photoemission R2460
L. Duda, L. S. O. Johansson, B. Reihl, H. W. Yeom, S. Hara, and S. Yoshida
Spin-orbit interaction as a source of spectral and transport properties in quasi-one-dimensional systems R2464
A. V. Moroz and C. H. W. Barnes
Optical and dc conductivity study of potassium-doped single-walled carbon nanotube films R2468
B. Ruzicka, L. Degiorgi, R. Gaal, L. Thien-Nga, R. Bacsa, J.-P. Salvetat, and L. Forró
Carbon-atom chain formation in the core of nanotubes R2472
Zhenxia Wang, Xuezhi Ke, Zhiyuan Zhu, Fengshou Zhang, Meiling Ruan, and Jinqing Yang

ARTICLES

Electronic structure: wide-band, narrow-band, and strongly correlated systems

Thermoelectric properties of thallium-filled skutterudites 2475
B. C. Sales, B. C. Chakoumakos, and D. Mandrus
Finite-temperature properties of the two-dimensional Kondo lattice model 2482
K. Haule, J. Bonča, and P. Prelovšek
Fluctuation effects of nonlinear coupling between spin and charge excitations on dynamical correlation functions of the one-dimensional extended Hubbard model 2488
Norikazu Tomita and Keiichiro Nasu
Phases of the two-band model of spinless fermions in one dimension 2497
Urs Ledermann and Karyn Le Hur
Correlation effects in the ground-state charge density of Mott insulating NiO: A comparison of *ab initio* calculations and high-energy electron diffraction measurements 2506
S. L. Dudarev, L.-M. Peng, S. Y. Savrasov, and J.-M. Zuo
Phase diagrams and Fermi surface properties of $CePb_3$ 2513
T. Ebihara, K. Koizumi, S. Uji, C. Terakura, T. Terashima, H. Suzuki, H. Kitazawa, and G. Kido
Impact of magnetic frustration on the Mott transition within a slave-boson mean-field theory 2521
Imseok Yang, Ekkehard Lange, and Gabriel Kotliar
Spectroscopic investigations of the electronic structure and metal-insulator transitions in a Mott-Hubbard system $La_{1-x}Ca_xVO_3$ 2525
K. Maiti and D. D. Sarma
Optical spectroscopic study of the interplay of spin and charge in α'-NaV_2O_5 2535
A. Damascelli, C. Presura, D. van der Marel, J. Jegoudez, and A. Revcolevschi
$K\beta$ resonant x-ray emission spectra in MnF_2 2553
M. Taguchi, J. C. Parlebas, T. Uozumi, A. Kotani, and C.-C. Kao

(Continued)