

PHYSICAL REVIEW B

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 0163-1829)

PERIODICALS

Postmaster send address changes to:
American Institute of Physics
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 60, NUMBER 8

CONTENTS

15 AUGUST 1999-II

RAPID COMMUNICATIONS

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

- Response to parallel magnetic field of a dilute two-dimensional electron system across the metal-insulator transition R5093
K. M. Mertes, D. Simonian, M. P. Sarachik, S. V. Kravchenko, and T. M. Klapwijk
- Commensurability effect on the charge ordering of $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ R5097
T. Katsufuji, T. Tanabe, T. Ishikawa, S. Yamanouchi, Y. Tokura, T. Kakeshita, R. Kajimoto, and H. Yoshizawa

Semiconductors I: bulk

- Influence of crystal structure on the lattice sites and formation energies of hydrogen in wurtzite and zinc-blende GaN R5101
A. F. Wright
- Optical dynamic nuclear polarization in InP single crystal: Wavelength and field dependence of NMR enhancement R5105
Anil Patel, Olivier Pasquet, Jagadeesh Bharatam, Eric Hughes, and C. Russell Bowers
- Accurate mesh truncation for Schrödinger equations by a perfectly matched layer absorber: Application to the calculation of optical spectra R5109
A. Ahland, D. Schulz, and E. Voges

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

- Effect of irrelevant boundary scaling operators R5113
R. Egger, A. Komnik, and H. Saleur
- Atomic surface structure of the phosphorous-terminated InP(001) grown by MOVPE R5117
P. Vogt, Th. Hannappel, S. Visbeck, K. Knorr, N. Esser, and W. Richter
- Evolution of the strain relaxation in a Ge layer on Si(001) by reconstruction and intermixing R5121
Bert Voigtländer and Martin Kästner
- Quantum phase transition in coupled quantum dots R5125
Natan Andrei, Gergely T. Zimányi, and Gerd Schön
- Theoretical study of the (3×2) reconstruction of $\beta\text{-SiC}(001)$ R5129
L. Pizzagalli, A. Catellani, G. Galli, F. Gygi, and A. Baratoff
- Quantum ballistic transport in constrictions of $n\text{-PbTe}$ R5133
G. Grabecki, J. Wróbel, T. Dietl, K. Byczuk, E. Papis, E. Kamińska, A. Piotrowska, G. Springholz, M. Pinczolits, and G. Bauer
- $k_{\parallel}=0$ filtering in resonant-tunneling processes between materials of different effective electron mass R5137
J. Smoliner, R. Heer, and G. Strasser

