

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 64, NUMBER 11

CONTENTS

15 SEPTEMBER 2001-I

Announcement: Electronic-First Publication and Article Numbers i

BRIEF REPORTS

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

- Periodic density modulation effects on a correlated two-dimensional composite fermion system (*4 pages*) 113101
S. Sakhi
- Modulation of the transverse current effect of charge density waves in $K_{0.3}MoO_3$ (*3 pages*) 113102
Song Yue, Mingliang Tian, and Yuheng Zhang
- Metallic state driven by frustrated electronic correlation in Cu-O double chain of $PrBa_2Cu_4O_8$ (*4 pages*) 113103
Hitoshi Seo and Masao Ogata
- Specific heat of the periodic Anderson model: From weak to strong coupling (*4 pages*) 113104
N. M. R. Peres, P. D. Sacramento, and M. A. N. Araújo
- Temperature effect on the electronic structure of AlN (*3 pages*) 113105
Qixin Guo, Mitsuhiro Nishio, Hiroshi Ogawa, and Akira Yoshida
- Fermi surface renormalization in Hubbard ladders (*4 pages*) 113106
Kim Louis, J. V. Alvarez, and Claudius Gros
- Power-law localization in two and three dimensions with off-diagonal disorder (*4 pages*) 113107
Shi-Jie Xiong and S. N. Evangelou
- Three-dimensional self-assembly of metal nanoparticles: Possible photonic crystal with a complete gap below the plasma frequency (*4 pages*) 113108
Zhenlin Wang, C. T. Chan, Weiyi Zhang, Naiben Ming, and Ping Sheng

Semiconductors I: bulk

- Diffusion of iridium in silicon: Changeover from a foreign-atom-limited to a native-defect-controlled transport mode (*4 pages*) 113201
S. Obeidi and N. A. Stolwijk
- Deconstruction of the trap model for the new conducting state in two dimensions (*2 pages*) 113202
Philip Phillips
- Lattice dynamics and elastic properties of zinc-blende MgS (*4 pages*) 113203
D. Wolverson, D. M. Bird, C. Bradford, K. A. Prior, and B. C. Cavenett
- Absolute external photoluminescence quantum efficiency of the 1s orthoexciton in Cu_2O (*2 pages*) 113204
M. Jörger, M. Schmidt, A. Jolk, R. Westphäling, and C. Klingshirn
- Carbon-acceptor-induced cascade scattering by acoustic phonons above the (e, A^0) threshold in GaAs (*4 pages*) 113205
Q. Huang and R. G. Ulbrich

