

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 61, NUMBER 20

CONTENTS

15 MAY 2000-II

RAPID COMMUNICATIONS

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

- Spin-Peierls transition in NaV_2O_5 in high magnetic fields R13 321
S. G. Bompadre, Arthur F. Hebard, Valeri N. Kotov, Donovan Hall, G. Maris, J. Baas, and T. T. M. Palstra
- Metal-insulator transition induced by a spin-state transition in $\text{TbBaCo}_2\text{O}_{5+\delta}$ ($\delta=0.5$) R13 325
Y. Moritomo, T. Akimoto, M. Takeo, A. Machida, E. Nishibori, M. Takata, M. Sakata, K. Ohoyama, and A. Nakamura
- High-resolution Ce $3d$ -edge resonant photoemission study of CeNi_2 R13 329
See-Hun Yang, S.-J. Oh, Hyeong-Do Kim, Ran-Ju Jung, A. Sekiyama, T. Iwasaki, S. Suga, Y. Saitoh, E.-J. Cho, and J.-G. Park

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

- Coherence effects in light scattering of two-dimensional photonic disordered systems: Elastic scattering of cavity polaritons R13 333
R. Houdré, C. Weisbuch, R. P. Stanley, U. Oesterle, and M. Illegems
- Nitrogen-induced increase of the maximum electron concentration in group III-N-V alloys R13 337
K. M. Yu, W. Walukiewicz, W. Shan, J. W. Ager III, J. Wu, E. E. Haller, J. F. Geisz, D. J. Friedman, and J. M. Olson
- Kondo time scales for quantum dots: Response to pulsed bias potentials R13 341
Martin Plihal, David C. Langreth, and Peter Nordlander
- $\sqrt{3} \times \sqrt{3} R30^\circ$ versus adatom-rest-atom phases on (111) semiconductor surfaces R13 345
G. Ballabio, S. Scandolo, and E. Tosatti
- Mechanisms for intraband energy relaxation in semiconductor quantum dots: The role of electron-hole interactions R13 349
V. I. Klimov, A. A. Mikhailovsky, D. W. McBranch, C. A. Leatherdale, and M. G. Bawendi
- Shifting a quantum wire through a disordered crystal: Observation of conductance fluctuations in real space R13 353
T. Heinzl, G. Salis, R. Held, S. Lüscher, K. Ensslin, W. Wegscheider, and M. Bichler
- Random matrix model for quantum dots with interactions and the conductance peak spacing distribution R13 357
Y. Alhassid, Ph. Jacquod, and A. Wobst
- Hysteresis and spikes in the quantum Hall effect R13 361
J. Zhu, H. L. Stormer, L. N. Pfeiffer, K. W. Baldwin, and K. W. West
- Spin properties of low-density one-dimensional wires R13 365
K. J. Thomas, J. T. Nicholls, M. Pepper, W. R. Tribe, M. Y. Simmons, and D. A. Ritchie
- Observation of densely populated Tamm states in modulation-doped superlattices R13 369
A. B. Henriques, L. K. Hanamoto, P. L. Souza, and B. Yavich

