

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 58, NUMBER 24

15 DECEMBER 1998-II

Reconstruction and dislocation network formation of the (111) surface of the ordered alloy Pt_3Sn	R16 005
J. Kuntze, S. Speller, W. Heiland, A. Atrei, I. Spolveri, and U. Bardi	
Peptide nanotubes: An inert environment	R16 009
R. A. Jishi, N. C. Braier, C. T. White, and J. W. Mintmire	
Spin-dependent phenomena in digital-magnetic heterostructures: Clustering and phase-space filling effects	R16 012
J. Carlos Egues and John W. Wilkins	
Raman modes of metallic carbon nanotubes	R16 016
M. A. Pimenta, A. Marucci, S. A. Empedocles, M. G. Bawendi, E. B. Hanlon, A. M. Rao, P. C. Eklund, R. E. Smalley, G. Dresselhaus, and M. S. Dresselhaus	
Phase-sensitive detection technique for surface nonlinear optics	R16 020
K. J. Veenstra, A. V. Petukhov, A. P. de Boer, and Th. Rasing	
Nucleation and growth of Si nanowires from silicon oxide	R16 024
N. Wang, Y. H. Tang, Y. F. Zhang, C. S. Lee, and S. T. Lee	

ARTICLES

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

Non-Fermi-liquid behavior and magnetic order in the $\text{U}_{1-x}\text{Y}_x\text{Pd}_2\text{Al}_3$ system	16 027
E. J. Freeman, M. C. de Andrade, R. P. Dickey, N. R. Dilley, and M. B. Maple	
Antiferromagnetic correlations in the two-dimensional Hubbard model	16 032
Bumsoo Kyung	
Evaluation of the activation volume from ionic conductivity measurements under pressure in porous materials	16 038
A. N. Papathanassiou	
Electronic properties of Ti_3SiC_2 -based solid solutions	16 042
N. I. Medvedeva, D. L. Novikov, A. L. Ivanovsky, M. V. Kuznetsov, and A. J. Freeman	
Breakdown of the Mott insulator: Exact solution of an asymmetric Hubbard model	16 051
Takahiro Fukui and Norio Kawakami	
Thermoelectric properties of the doped Kondo insulator: $\text{Nd}_x\text{Ce}_{3-x}\text{Pt}_3\text{Sb}_4$	16 057
C. D. W. Jones, K. A. Regan, and F. J. DiSalvo	
Magnetoresistance of an entangled single-wall carbon-nanotube network	16 064
G. T. Kim, E. S. Choi, D. C. Kim, D. S. Suh, Y. W. Park, K. Liu, G. Duesberg, and S. Roth	
Self-consistent determination of the one-body density matrix and particle-hole excitations	16 070
F. Catara, M. Grasso, G. Piccitto, and M. Sambataro	
Upconversion-induced heat generation and thermal lensing in Nd:YLF and Nd:YAG	16 076
M. Pollnau, P. J. Hardman, M. A. Kern, W. A. Clarkson, and D. C. Hanna	
Optical conductivity of manganites: Crossover from Jahn-Teller small polaron to coherent transport in the ferromagnetic state	16 093
M. Quijada, J. Černe, J. R. Simpson, H. D. Drew, K. H. Ahn, A. J. Millis, R. Shreekala, R. Ramesh, M. Rajeswari, and T. Venkatesan	
High-energy Auger line shapes of Pd and Rh: Experiment and theory	16 103
G. G. Kleiman, R. Landers, S. G. C. de Castro, and A. de Siervo	

Semiconductors I: bulk

Charge-transport properties of dendritic germanium thin films	16 110
K. M. Lui, W. H. Wong, and K. P. Chik	
Nature of bonding forces between two hydrogen-passivated silicon wafers	16 118
K. Stokbro, E. Nielsen, E. Hult, Y. Andersson, and B. I. Lundqvist	

(Continued)