

PHYSICAL REVIEW B

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1098-0121)

PERIODICALS
Postmaster send address changes to:
APS Subscription Services
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 82, NUMBER 15

CONTENTS

OCTOBER 2010-15(I)

BRIEF REPORTS

Electronic structure and strongly correlated systems

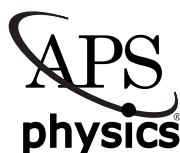
- Dirac quantization and fractional magnetoelectric effect in interacting topological insulators (*4 pages*) 153101
K.-S. Park and H. Han
- Subwavelength image splitter with a metallic wire array (*4 pages*) 153102
Atiqur Rahman, Yang Hao, and Clive Parini

Semiconductors I: bulk

- Influence of *n*-type doping on electron spin dephasing in CdTe (*4 pages*) 153201
D. Sprinzl, P. Horodyská, N. Tesařová, E. Rozkotová, E. Belas, R. Grill, P. Malý, and P. Němec
- Defect redistribution in postirradiation rapid-thermal-annealed InN (*4 pages*) 153202
Floris Reurings, Christian Rauch, Filip Tuomisto, Rebecca E. Jones, Kin M. Yu, Wladek Walukiewicz, and William J. Schaff
- Effect of antiferromagnetic RKKY interaction and magnetic field in a two-impurity Kondo system (*4 pages*) 153203
Emi Minamitani, Wilson Agerico Diño, Hiroshi Nakanishi, and Hideaki Kasai
- Hydrostatic pressure study of the paramagnetic-ferromagnetic phase transition in (Ga,Mn)As (*4 pages*) 153204
M. Gryglas-Borysiewicz, A. Kwiatkowski, M. Baj, D. Wasik, J. Przybytek, and J. Sadowski

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

- Influence of electromigration field on the step bunching process on Si(111) (*4 pages*) 153301
V. Usov, C. O Coileain, and I. V. Shvets
- Ballistic conductance and thermoelectric power of lead-salt semiconductor nanowires (*4 pages*) 153302
V. Aparecida da Costa and E. A. de Andrada e Silva
- Optically and electrically controlled polariton spin transistor (*4 pages*) 153303
I. A. Shelykh, R. John, D. D. Solnyshkov, and G. Malpuech
- Optical absorption measurements of electron quantum confinement in Si(111)-2×1 surface chains (*4 pages*) 153304
G. Bussetti, A. Violante, B. Bonanni, S. Cirilli, C. Goletti, P. Chiaradia, G. Chiarotti, and M. Rohlfing
- Origin of the hysteresis in bilayer two-dimensional systems in the quantum Hall regime (*4 pages*) 153305
L. H. Ho, L. J. Taskinen, A. P. Micolich, A. R. Hamilton, P. Atkinson, and D. A. Ritchie



Copyright 2010 by The American Physical Society



1098-0121(20101015)82:15;1-#

(Continued)

The editors and referees of PRB find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. B 77, 130001 (2008).