

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 1N01
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 81, NUMBER 19

CONTENTS

MAY 2010-15(I)

BRIEF REPORTS

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

- Thermoelectric phenomena in disordered open quantum systems (*4 pages*) 193101
Dibyendu Roy and Massimiliano Di Ventra
- Electronic structure of CsFe_2Sb_2 and its alloy with cobalt: A magnetic compound related to the iron
superconductors (*4 pages*) 193102
Lijun Zhang and D. J. Singh
- Resonance fluorescence of single molecules assisted by a plasmonic structure (*4 pages*) 193103
Ying Gu, Lina Huang, Olivier J. F. Martin, and Qihuang Gong
- Probing electronic correlations in actinide materials using multipolar transitions (*4 pages*) 193104
J. A. Bradley, S. Sen Gupta, G. T. Seidler, K. T. Moore, M. W. Haverkort, G. A. Sawatzky,
S. D. Conradson, D. L. Clark, S. A. Kozimor, and K. S. Boland

Semiconductors I: bulk

- Effect of spin-conserving scattering on Gilbert damping in ferromagnetic semiconductors (*4 pages*) 193201
K. Shen, G. Tatara, and M. W. Wu
- Model of metallic filament formation and rupture in NiO for unipolar switching (*4 pages*) 193202
Hyung Dong Lee, Blanka Magyari-Köpe, and Yoshio Nishi
- Ab initio* study of self-diffusion in silicon over a wide temperature range: Point defect states and migration
mechanisms (*4 pages*) 193203
Shangyi Ma and Shaoqing Wang

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

- Optical coupling of two distant InAs/GaAs quantum dots by a photonic-crystal microcavity (*4 pages*) 193301
E. Gallardo, L. J. Martínez, A. K. Nowak, D. Sarkar, H. P. van der Meulen, J. M. Calleja, C. Tejedor,
I. Prieto, D. Granados, A. G. Taboada, J. M. García, and P. A. Postigo
- Current modulator based on topological insulator with sliding magnetic superlattice (*4 pages*) 193302
Motohiko Ezawa and Jiadong Zang
- Mesoscopic fluctuations of Coulomb drag of composite fermions (*4 pages*) 193303
A. S. Price, A. K. Savchenko, and D. A. Ritchie



Copyright 2010 by The American Physical Society



1098-0121(20100515)81:19;1-X

(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).