

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 77, NUMBER 8

CONTENTS

FEBRUARY 2008-15(II)

RAPID COMMUNICATIONS

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

- Visualization of charge ordering in a half-doped manganite by an electrostatic potential analysis
(4 pages) 081101(R)
K. Kato, Y. Moritomo, M. Takata, H. Tanaka, and N. Hamada

Semiconductors I: bulk

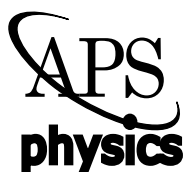
- Electron paramagnetic resonance studies of the neutral nitrogen vacancy in diamond (4 pages) 081201(R)
S. Felton, A. M. Edmonds, M. E. Newton, P. M. Martineau, D. Fisher, and D. J. Twitchen

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

- Activation gaps of fractional quantum Hall effect in the second Landau level (4 pages) 081301(R)
H. C. Choi, W. Kang, S. Das Sarma, L. N. Pfeiffer, and K. W. West
- Oscillatory changes in the tunneling magnetoresistance effect in semiconductor quantum-dot spin valves
(4 pages) 081302(R)
K. Hamaya, M. Kitabatake, K. Shibata, M. Jung, M. Kawamura, S. Ishida, T. Taniyama, K. Hirakawa,
Y. Arakawa, and T. Machida
- Dephasing in a quantum dot coupled to a quantum point contact (4 pages) 081303(R)
Tomosuke Aono

Surface physics, nanoscale physics, low-dimensional systems

- Formation of single- and double-layer silicon in slit pores (4 pages) 081401(R)
Tetsuya Morishita, Kengo Nishio, and Masuhiro Mikami
- Charge transport and inhomogeneity near the minimum conductivity point in graphene (4 pages) 081402(R)
Sungjae Cho and Michael S. Fuhrer
- Theory of snake states in graphene (4 pages) 081403(R)
L. Oroszlány, P. Rakytá, A. Kormányos, C. J. Lambert, and J. Cserti
- Conductance quantization and snake states in graphene magnetic waveguides (4 pages) 081404(R)
T. K. Ghosh, A. De Martino, W. Häusler, L. Dell'Anna, and R. Egger
- Evidence for large hydrogen storage capacity in single-walled carbon nanotubes encapsulated by electroplating
Pd onto a Pd substrate (4 pages) 081405(R)
A. G. Lipson, B. F. Lyakhov, E. I. Saunin, and A. Yu. Tsivadze



Copyright 2008 by The American Physical Society

(Continued)



1098-0121(20080215)77:8;1-Z

Continuum model of polygonization of carbon nanotubes (<i>4 pages</i>)	081406(R)
Dmitry Golovaty and Shannon Talbott	
Spin-orbit split two-dimensional electron gas with tunable Rashba and Fermi energy (<i>4 pages</i>)	081407(R)
Christian R. Ast, Daniela Pacilé, Luca Moreschini, Mihaela C. Falub, Marco Papagno, Klaus Kern, Marco Grioni, Jürgen Henk, Arthur Ernst, Sergey Ostanin, and Patrick Bruno	
In-line holography and coherent diffractive imaging with x-ray waveguides (<i>4 pages</i>)	081408(R)
L. De Caro, C. Giannini, D. Pelliccia, C. Mocuta, T. H. Metzger, A. Guagliardi, A. Cedola, I. Burkeeva, and S. Lagomarsino	
Self-organized growth of Ni nanoparticles on a cobalt-oxide thin film induced by a buried misfit dislocation network (<i>4 pages</i>)	081409(R)
P. Torelli, E. A. Soares, G. Renaud, L. Gragnaniello, S. Valeri, X. X. Guo, and P. Luches	
Numerical studies of conductivity and Fano factor in disordered graphene (<i>4 pages</i>)	081410(R)
C. H. Lewenkopf, E. R. Mucciolo, and A. H. Castro Neto	
Plasmons and the spectral function of graphene (<i>4 pages</i>)	081411(R)
Marco Polini, Reza Asgari, Giovanni Borghi, Yafis Barlas, T. Pereg-Barnea, and A. H. MacDonald	
Quasiparticle spectral function in doped graphene: Electron-electron interaction effects in ARPES (<i>4 pages</i>)	081412(R)
E. H. Hwang and S. Das Sarma	

ARTICLES

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

Quantifying the importance of orbital over spin correlations in δ -Pu within density-functional theory (<i>5 pages</i>)	085101
Per Söderlind	
Inelastic neutron scattering from $\text{PrFe}_4\text{P}_{12}$ at low temperatures and under high magnetic fields (<i>6 pages</i>)	085102
J.-G. Park, D. T. Adroja, K. A. McEwen, M. Kohgi, and K. Iwasa	
Divide-and-conquer density functional theory on hierarchical real-space grids: Parallel implementation and applications (<i>12 pages</i>)	085103
Fuyuki Shimojo, Rajiv K. Kalia, Aiichiro Nakano, and Priya Vashishta	
Self-doping instability of the Wigner-Mott insulator (<i>5 pages</i>)	085104
S. Pankov and V. Dobrosavljević	
Atomic adsorption on the (020) surface of α -Pu: A density functional study (<i>11 pages</i>)	085105
Raymond Atta-Fynn and Asok K. Ray	
Kondo behavior in the asymmetric Anderson model: Analytic approach (<i>11 pages</i>)	085106
Václav Janiš and Pavel Augustinský	
Local lattice structure change in PrNiO_3 across the metal-insulator transition: X-ray absorption near-edge structure spectroscopy and <i>ab initio</i> calculations (<i>5 pages</i>)	085107
M. Acosta-Alejandro, J. Mustre de León, M. Medarde, Ph. Lacorre, K. Konder, and P. A. Montano	
Systematic errors in Gaussian quantum Monte Carlo and a systematic study of the symmetry projection method (<i>10 pages</i>)	085108
Philippe Corboz, Matthias Troyer, Adrian Kleine, Ian P. McCulloch, Ulrich Schollwöck, and F. F. Assaad	

Specific heat of a one-dimensional interacting Fermi system: Role of anomalies (17 pages)	085109
Andrey V. Chubukov, Dmitrii L. Maslov, and Ronojoy Saha	
Phase diagram of the asymmetric Hubbard model (7 pages)	085110
Pavol Farkašovský	
Nodal Pulay terms for accurate diffusion quantum Monte Carlo forces (8 pages)	085111
A. Badinski, P. D. Haynes, and R. J. Needs	
Intercalation processes and diffusion paths of lithium ions in spinel-type structured $\text{Li}_{1+x}\text{Ti}_2\text{O}_4$: Density functional theory study (11 pages)	085112
M. Anicete-Santos, L. Gracia, A. Beltrán, J. Andrés, J. A. Varela, and E. Longo	
Magnetic and transport behavior of Ni-substituted $\text{GdBaCo}_2\text{O}_{5+\delta}$ perovskite (8 pages)	085113
A. Bharathi, P. Yasodha, N. Gayathri, A. T. Satya, R. Nagendran, N. Thirumurugan, C. S. Sundar, and Y. Hariharan	
Electronic spectra and crystal field analysis of Yb^{2+} in SrCl_2 (13 pages)	085114
Zaifa Pan, Chang-kui Duan, and Peter A. Tanner	
Superfluid-insulator transition and fermion pairing in Bose-Fermi mixtures (6 pages)	085115
Kun Yang	
Two-step-wise interpretation of highly asymmetric, grazing angle (e,2e) on solids: A real momentum spectroscopy for surfaces and overlayers (11 pages)	085116
A. Liscio, A. Ruocco, G. Stefani, and S. Iacobucci	
Localized polarons and doorway vibrons in finite quantum structures (6 pages)	085117
H. Fehske, G. Wellein, J. Loos, and A. R. Bishop	
Electronic structure and orbital ordering of $\text{SrRu}_{1-x}\text{Ti}_x\text{O}_3$: GGA+ U investigations (7 pages)	085118
Pao-An Lin, Horng-Tay Jeng, and Chen-Shiung Hsue	
Phase diagram of the one-dimensional Hubbard model with next-nearest-neighbor hopping (10 pages)	085119
S. Nishimoto, K. Sano, and Y. Ohta	
Identification of the carbon antisite in SiC: EPR of ^{13}C enriched crystals (5 pages)	085120
Pavel G. Baranov, Ivan V. Ilyin, Alexandra A. Soltamova, and Eugene N. Mokhov	
Adapting approximate-memory potentials for time-dependent density functional theory (8 pages)	085121
Yair Kurzweil and Roi Baer	
Screened Coulomb interaction in the maximally localized Wannier basis (9 pages)	085122
Takashi Miyake and F. Aryasetiawan	
PBE+ U calculations of the Jahn-Teller effect in PrO_2 (9 pages)	085123
Fabien Tran, Johannes Schweifer, Peter Blaha, Karlheinz Schwarz, and Pavel Novák	
Magnetic g tensors for the $^4\text{I}_{15/2}$ and $^4\text{I}_{13/2}$ states of $\text{Er}^{3+}:\text{Y}_2\text{SiO}_5$ (10 pages)	085124
Yongchen Sun, Thomas Böttger, C. W. Thiel, and R. L. Cone	
Semiconductors I: bulk	
All-optical coherent control of electrical currents in centrosymmetric semiconductors (9 pages)	085201
Marko Spasenović, Markus Betz, Louis Costa, and Henry M. van Driel	
Quasiequilibrium optical nonlinearities from spin-polarized carriers in GaAs (7 pages)	085202
Arjun Joshua and V. Venkataraman	

Finite mobility effects on the radiative efficiency limit of <i>pn</i> -junction solar cells (13 pages)	085203
Julian Mattheis, Jürgen H. Werner, and Uwe Rau	
Structure and energetics of <i>c</i> -Si/ <i>a</i> -SiO ₂ systems: Planar interfaces and embedded Si nanocrystals (5 pages)	085204
LingTi Kong and Laurent J. Lewis	
Bound magnetic polarons in the very dilute regime (5 pages)	085205
Yu. G. Kusrayev, K. V. Kavokin, G. V. Astakhov, W. Ossau, and L. W. Molenkamp	
Microscopic derivation of Frenkel excitons in second quantization (13 pages)	085206
Monique Combescot and Walter Pogosov	
First-principles analysis of the optical properties of structural disorder in SiO ₂ glass (8 pages)	085207
Tomoyuki Tamura, Shoji Ishibashi, Shingo Tanaka, Masanori Kohyama, and Ming-Hsien Lee	
Hole states in wide band-gap diluted magnetic semiconductors and oxides (6 pages)	085208
Tomasz Dietl	
Bi isoelectronic impurities in GaAs (5 pages)	085209
S. Francoeur, S. Tixier, E. Young, T. Tiedje, and A. Mascarenhas	
Structure and stability of small compact self-interstitial clusters in crystalline silicon (6 pages)	085210
Sangheon Lee and Gyeong S. Hwang	
Temperature dependence of the triplet diffusion and quenching rates in films of an Ir(ppy) ₃ -cored dendrimer (5 pages)	085211
J. C. Ribierre, A. Ruseckas, I. D. W. Samuel, S. V. Staton, and P. L. Burn	
Colossal positive magnetoresistance in a doped nearly magnetic semiconductor (5 pages)	085212
Rongwei Hu, K. J. Thomas, Y. Lee, T. Vogt, E. S. Choi, V. F. Mitrović, R. P. Hermann, F. Grandjean, P. C. Canfield, J. W. Kim, A. I. Goldman, and C. Petrovic	
Vibrational properties of the H-N-H complex in dilute III-N-V alloys: Infrared spectroscopy and density functional theory (9 pages)	085213
S. Kleekajai, F. Jiang, K. Colon, M. Stavola, W. B. Fowler, K. R. Martin, A. Polimeni, M. Capizzi, Y. G. Hong, H. P. Xin, C. W. Tu, G. Bais, S. Rubini, and F. Martelli	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Quantum transport length scales in silicon-based semiconducting nanowires: Surface roughness effects (5 pages)	085301
Aurélien Lherbier, Martin P. Persson, Yann-Michel Niquet, François Triozon, and Stephan Roche	
Decoherence of coupled electron spins via nuclear spin dynamics in quantum dots (6 pages)	085302
W. Yang and R. B. Liu	
Diffusion of nonequilibrium carriers in low-dimensional structures (9 pages)	085303
A. Achoyan, S. Petrosyan, H. E. Ruda, and A. Shik	
Comparative study of the adsorption and dissociation of vinylacetic acid and acrylic acid on silicon (001) (7 pages)	085304
P. P. Favero, A. C. Ferraz, and R. Miotto	
Semianalytical model for simulation of electronic properties of narrow-gap strained semiconductor quantum nanostructures (6 pages)	085305
J. Even, F. Doré, C. Cornet, and L. Pedesseau	

Light-mass Bragg cavity polaritons in planar quantum dot lattices (9 pages)	085306
E. M. Kessler, M. Grochol, and C. Piermarocchi	
Dark current analysis of quantum cascade detectors by magnetoresistance measurements (8 pages)	085307
Aurore Gomez, Nicolas Péré-Laperne, Louis-Anne de Vaultier, Cédric Koeniguer, Angela Vasanelli, Alexandru Nedelcu, Xavier Marcadet, Yves Guldner, and Vincent Berger	
Path-integral approach to the ground-state energy of a homogeneous polaron gas (9 pages)	085308
F. Brosens, S. N. Klimin, and J. T. Devreese	
First-order coherent resonant tunneling through an interacting coupled-quantum-dot interferometer: Generic quantum rate equations and current noise (16 pages)	085309
Bing Dong, X. L. Lei, and Norman J. M. Horing	
Large vacuum Rabi splitting in a multiple quantum well GaN-based microcavity in the strong-coupling regime (9 pages)	085310
Gabriel Christmann, Raphaël Butté, Eric Feltin, Anas Mouti, Pierre A. Stadelmann, Antonino Castiglia, Jean-François Carlin, and Nicolas Grandjean	
Optimizing organic photovoltaics using tailored heterojunctions: A photoinduced absorption study of oligothiophenes with low band gaps (14 pages)	085311
R. Schueppel, K. Schmidt, C. Uhrich, K. Schulze, D. Wynands, J. L. Brédas, E. Brier, E. Reinold, H.-B. Bu, P. Baeuerle, B. Maennig, M. Pfeiffer, and K. Leo	
Quantum to classical transition of the charge relaxation resistance of a mesoscopic capacitor (10 pages)	085312
Simon E. Nigg and Markus Büttiker	
Interfacial properties between CoO (100) and Fe ₃ O ₄ (100) (10 pages)	085313
Hui-Qiong Wang, Eric I. Altman, and Victor E. Henrich	
Hartree-Fock calculations of a finite inhomogeneous quantum wire (10 pages)	085314
Jiang Qian and Bertrand I. Halperin	
Growth of isolated and embedded Cu-containing chalcopyrite clusters and nanocrystals by dry processing (10 pages)	085315
D. Fuertes Marrón, S. Lehmann, and M. Ch. Lux-Steiner	
Impurities and geometrical effects on the electron energy spectrum of quantum rings (9 pages)	085316
G. A. Farias, M. H. Degani, J. A. K. Freire, J. Costa e Silva, and R. Ferreira	
Statistics of the polariton condensate (13 pages)	085317
Paolo Schwendimann and Antonio Quattropani	
Competition between bulk and interface plasmonic modes in valence electron energy-loss spectroscopy of ultrathin SiO ₂ gate stacks (8 pages)	085318
M. Couillard, A. Yurtsever, and D. A. Muller	
Monolayer oxidation on Si(001)-(2×1) studied by means of reflectance difference spectroscopy (6 pages)	085319
S. Ohno, H. Kobayashi, F. Mitobe, T. Suzuki, K. Shudo, and M. Tanaka	
Field-induced modulation of the conductance, thermoelectric power, and magnetization in ballistic coupled double quantum wires under a tilted magnetic field (10 pages)	085320
Danhong Huang, S. K. Lyo, K. J. Thomas, and M. Pepper	
Femtosecond control of the magnetization in ferromagnetic semiconductors (18 pages)	085321
J. Chovan and I. E. Perakis	

Energy transfer in close-packed PbS nanocrystal films (9 pages)	085322
V. Rinnerbauer, H.-J. Egelhaaf, K. Hingerl, P. Zimmer, S. Werner, T. Warming, A. Hoffmann, M. Kovalenko, W. Heiss, G. Hesser, and F. Schaffler	
Electronic coupling in organic-inorganic semiconductor hybrid structures with type-II energy level alignment (5 pages)	085323
S. Blumstengel, S. Sadofev, C. Xu, J. Puls, R. L. Johnson, H. Glowatzki, N. Koch, and F. Henneberger	
Optimal laser control of double quantum dots (5 pages)	085324
E. Räsänen, A. Castro, J. Werschnik, A. Rubio, and E. K. U. Gross	
Surface effects on the energetic and spintronic properties of InP nanowires diluted with Mn: First-principles calculations (6 pages)	085325
T. M. Schmidt	
Effects of aluminum incorporation on band alignment at the SiO ₂ /HfO ₂ interface (7 pages)	085326
Onise Sharia, Alexander A. Demkov, Gennadi Bersuker, and B. H. Lee	
Magnetotransport in low-density <i>p</i> -Si/SiGe heterostructures: From metal through hopping insulator to Wigner glass (10 pages)	085327
I. L. Drichko, A. M. Dyakonov, I. Yu. Smirnov, A. V. Suslov, Y. M. Galperin, V. Vinokur, M. Myronov, O. A. Mironov, and D. R. Leadley	
Electron scattering in quantum wells subjected to an in-plane magnetic field (5 pages)	085328
S. A. Tarasenko	
First-principles investigation of an epitaxial silicon oxynitride layer on a 6H-SiC(0001) surface (5 pages)	085329
Peter Krüger, Björn Baumeier, and Johannes Pollmann	
Surface physics, nanoscale physics, low-dimensional systems	
Structure determination of monolayer-by-monolayer grown La _{1-x} Sr _x MnO ₃ thin films and the onset of magnetoresistance (10 pages)	085401
R. Herger, P. R. Willmott, C. M. Schlepütz, M. Björck, S. A. Pauli, D. Martoccia, B. D. Patterson, D. Kumah, R. Clarke, Y. Yacoby, and M. Döbeli	
Coverage dependence of Sb/Si(111) adsorption and desorption modes: Interplay between chemical interactions and site transitions (13 pages)	085402
H. Guesmi, L. Lapena, G. Trégliat, and P. Müller	
Geometries, stabilities, and reactions of carbon clusters: Towards a microscopic theory of fullerene formation (11 pages)	085403
Yusuke Ueno and Susumu Saito	
Depth distribution function calculated by quantum scattering theory (9 pages)	085404
Hiroshi Shinotsuka, Hiroko Arai, and Takashi Fujikawa	
Functionalization of carbon-based nanostructures with light transition-metal atoms for hydrogen storage (9 pages)	085405
E. Durgun, S. Ciraci, and T. Yildirim	
Origin of a surface state above the Fermi level on Ge(001) and Si(001) studied by temperature-dependent ARPES and LEED (5 pages)	085406
P. E. J. Eriksson, M. Adell, Kazuyuki Sakamoto, and R. I. G. Uhrberg	

Growth of Co isolated clusters in the gas phase: Experiment and molecular dynamics simulations (8 pages)	085407
Sébastien Rives, Alain Catherinot, Frédéric Dumas-Bouchiat, Corinne Champeaux, Arnaud Videcoq, and Riccardo Ferrando	
Quantum conductance of graphene nanoribbons with edge defects (8 pages)	085408
T. C. Li and Shao-Ping Lu	
Theoretical analysis of the Faraday effect in zigzag carbon nanotubes (6 pages)	085409
Abbas Zarifi and Thomas Garm Pedersen	
Conformational change of tetrahydroxyquinone molecules deposited on Ag(111) (5 pages)	085410
Mathieu Abel, Vincent Oison, Mathieu Koudia, and Louis Porte	
Three-dimensional analysis of the geometrical rectifying properties of asymmetric metal-vacuum-metal junctions and extension for energy conversion (11 pages)	085411
A. Mayer, M. S. Chung, B. L. Weiss, N. M. Miskovsky, and P. H. Cutler	
Optical forces on interacting plasmonic nanoparticles in a focused Gaussian beam (6 pages)	085412
Zhipeng Li, Mikael Käll, and Hongxing Xu	
Observation of Aharonov-Bohm conductance oscillations in a graphene ring (5 pages)	085413
Saverio Russo, Jeroen B. Oostinga, Dominique Wehenkel, Hubert B. Heersche, Samira Shams Sobhani, Lieven M. K. Vandersypen, and Alberto F. Morpurgo	
CO/Pt(111): GGA density functional study of site preference for adsorption (7 pages)	085414
M. Alaei, H. Akbarzadeh, H. Gholizadeh, and S. de Gironcoli	
Absolute forbidden bands and waveguiding in two-dimensional phononic crystal plates (15 pages)	085415
J. O. Vasseur, P. A. Deymier, B. Djafari-Rouhani, Y. Pennec, and A-C. Hladky-Hennion	
Theory of local electronic properties and finite-size effects in nanoscale open chains (5 pages)	085416
Andre M. C. Souza and Hans Herrmann	
Studies of the periodic faceting of epitaxial molybdenum oxide grown on Mo(110) (7 pages)	085417
K. Radican, N. Berdunov, and I. V. Shvets	
High-resolution energy-filtered scanning tunneling microscopy using doped one-dimensional semiconductors (6 pages)	085418
M. Mizuno and Eugene H. Kim	
Electronic structure of a Mn_6 ($S=4$) single molecule magnet grafted on Au(111) (6 pages)	085419
U. del Pennino, V. Corradini, R. Biagi, V. De Renzi, F. Moro, D. W. Boukhvalov, G. Panaccione, M. Hochstrasser, C. Carbone, C. J. Milios, and E. K. Brechin	
Orientation of C_{60} molecules in the $(3\sqrt{3} \times 3\sqrt{3})R30^\circ$ and $(\sqrt{13} \times \sqrt{13})R14^\circ$ phases of $\text{C}_{60}/\text{Ge}(111)$ single layers (7 pages)	085420
Mattia Fanetti, Luca Gavioli, Cinzia Cepek, and Massimo Sancrotti	
Adsorption-induced gap states of h -BN on metal surfaces (5 pages)	085421
A. B. Preobrajenski, S. A. Krasnikov, A. S. Vinogradov, May Ling Ng, T. Käämbre, A. A. Cafolla, and N. Mårtensson	
Unoccupied states of individual silver clusters and chains on Ag(111) (7 pages)	085422
A. Sperl, J. Kröger, N. Néel, H. Jensen, R. Berndt, A. Franke, and E. Pehlke	
Boundary conditions for Dirac fermions on a terminated honeycomb lattice (10 pages)	085423
A. R. Akhmerov and C. W. J. Beenakker	

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 77, NUMBER 8

FEBRUARY 2008-15(II)

Spin tunneling in multilayer spintronic devices (<i>6 pages</i>)	085424
S. G. Tan, M. B. A. Jalil, S. Bala Kumar, and G.-C. Liang	
Photoemission momentum mapping and wave function analysis of surface and bulk states on flat Cu(111) and stepped Cu(443) surfaces: A two-photon photoemission study (<i>10 pages</i>)	085425
M. Hengsberger, F. Baumberger, H. J. Neff, T. Greber, and J. Osterwalder	
Magnetoelectronic properties of bilayer Bernal graphene (<i>10 pages</i>)	085426
Y. H. Lai, J. H. Ho, C. P. Chang, and M. F. Lin	
Multiple-scattering theoretical approach to scanning tunneling microscopy (<i>12 pages</i>)	085427
Kamal K. Saha, Jürgen Henk, Arthur Ernst, and Patrick Bruno	
Piezoelectricity-induced terahertz photon absorption by confined acoustic phonons in wurtzite CdSe nanocrystals (<i>5 pages</i>)	085428
Tzu-Ming Liu, Meng-Ju Yang, Chih-Wei Lai, Pi-Tai Chou, Ming-Hao Chang, Hsiang-Lin Liu, and Chi-Kuang Sun	
Carbon nanotubes in helically modulated potentials (<i>11 pages</i>)	085429
P. J. Michalski and E. J. Mele	
Atomic-scale self-organization of Fe nanostripes on stepped Cu(111) surfaces: Molecular dynamics and kinetic Monte Carlo simulations (<i>9 pages</i>)	085430
N. N. Negulyaev, V. S. Stepanyuk, W. Hergert, P. Bruno, and J. Kirschner	
Transport properties of double-walled carbon nanotube quantum dots (<i>16 pages</i>)	085431
Shidong Wang and Milena Grifoni	
Sudden decay of indirect exchange coupling between magnetic atoms on carbon nanotubes (<i>6 pages</i>)	085432
D. F. Kirwan, C. G. Rocha, A. T. Costa, and M. S. Ferreira	
Commensurate growth and diminishing substrate influence in a multilayer film of a tris(thieno)hexaazatriphenylene derivative on Au(111) studied by scanning tunneling microscopy (<i>7 pages</i>)	085433
Sieu D. Ha, Qing Zhang, Stephen Barlow, Seth R. Marder, and Antoine Kahn	
Absence of an insulator-metal transition in Rb ₄ C ₆₀ up to 2 GPa (<i>10 pages</i>)	085434
Agnieszka Iwasiewicz-Wabnig, Thomas Wågberg, Tatiana L. Makarova, and Bertil Sundqvist	
Electronic band structure of carbon nanotube superlattices from first-principles calculations (<i>7 pages</i>)	085435
A. Ayuela, L. Chico, and W. Jaskólski	
Modeling of ultrafast interferometric three-photon photoemission from a metal surface irradiated with sub-10-fs laser pulses (<i>9 pages</i>)	085436
A. T. Georges and N. E. Karatzas	

ERRATA

Publisher's Note: Computer simulation of the 60° dislocation interaction with vacancy cluster in silicon [Phys. Rev. B 77 , 045211 (2008)] (<i>1 page</i>)	089901(E)
Chengxiang Li, Qingyuan Meng, Kangyou Zhong, and Chaoying Wang	
Publisher's Note: Quasiequilibrium optical nonlinearities from spin-polarized carriers in GaAs [Phys. Rev. B 77 , 085202 (2008)] (<i>1 page</i>)	089902(E)
Arjun Joshua and V. Venkataraman	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 77, NUMBER 8

FEBRUARY 2008-15(II)

Erratum: Angular dependence of spin-wave resonances and surface spin pinning in ferromagnetic (Ga,Mn)As films [Phys. Rev. B 75 , 195220 (2007)] (<i>1 page</i>)	089903(E)
X. Liu, Y. Y. Zhou, and J. K. Furdyna	
Erratum: Argon scattering from Ru(0001): Calculations and comparison with experiment [Phys. Rev. B 75 , 113408 (2007)] (<i>1 page</i>)	089904(E)
W. W. Hayes and J. R. Manson	