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
P.O. Box 41
Annapolis Junction, MD 20701

THIRD SERIES, VOLUME 88, NUMBER 11 *CONTENTS* **SEPTEMBER 2013-15(I)**

ARTICLES

Electronic structure and strongly correlated systems

Dynamical cluster approximation with continuous lattice self-energy *(16 pages)* 115101
Peter Staar, Thomas Maier, and Thomas C. Schulthess

Epitaxial strain effect on transport properties in $Ca_{2-x}Sr_xRuO_4$ thin films *(7 pages)* 115102
Ludi Miao, Wenyong Zhang, Punam Silwal, Xiaolan Zhou, Ilan Stern, Tijiang Liu, Jin Peng, Jin Hu, Dae Ho Kim, and Z. Q. Mao

Quasiclassical physics and T-linear resistivity in both strongly correlated and ordinary metals *(5 pages)* 115103
V. R. Shaginyan, K. G. Popov, and V. A. Khodel

Correspondence of defect energy levels in hybrid density functional theory and many-body perturbation theory *(8 pages)* 115104
Wei Chen and Alfredo Pasquarello

Polarization-dependent perfect absorbers/reflectors based on a three-dimensional metamaterial *(7 pages)* 115105
Xiang Xiong, Zhen-Hong Xue, Cong Meng, Shang-Chi Jiang, Yu-Hui Hu, Ru-Wen Peng, and Mu Wang

Electron-doped organics: Charge-disproportionate insulators and Hubbard-Fröhlich metals *(8 pages)* 115106
S. Shahab Naghavi, Michele Fabrizio, Tao Qin, and Erio Tosatti

Electronic Raman scattering and the Fano resonance in metallic carbon nanotubes *(8 pages)* 115107
Eddwi H. Hasdeo, Ahmad R. T. Nugraha, Kentaro Sato, Mildred S. Dresselhaus, and Riichiro Saito

Robustness in projected entangled pair states *(9 pages)* 115108
J. Ignacio Cirac, Spyridon Michalakis, David Pérez-García, and Norbert Schuch

Localized states in the Mott insulator κ-(BEDT–TTF)$_2$Cu[N(CN)$_2$]Cl as probed by photoluminescence *(5 pages)* 115109
N. Drichko, R. Hackl, and J. Schlueter

Photonic crystal carpet: Manipulating wave fronts in the near field at 1.55 μm *(8 pages)* 115110
G. Scherrer, M. Hofman, W. Śmigaj, M. Kadic, T.-M. Chang, X. Mélique, D. Lippens, O. Vanbésien, B. Cluzel, F. de Fornel, S. Guenneau, and B. Gralak

Band alignment in $LaAlO_3/SrTiO_3$ oxide heterostructures inferred from hard x-ray photoelectron spectroscopy *(8 pages)* 115111
G. Berner, A. Müller, F. Pfaff, J. Walde, C. Richter, J. Mannhart, S. Thiess, A. Gloskovskii, W. Drube, M. Sing, and R. Claessen

Copyright 2013 by American Physical Society

1098-0121(20130915)88:11;1-D

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 88, NUMBER 11** **SEPTEMBER 2013-15(I)**

One-particle irreducible functional approach: A route to diagrammatic extensions of the dynamical mean-field theory *(17 pages)* 115112
G. Rohringer, A. Toschi, H. Hafermann, K. Held, V. I. Anisimov, and A. A. Katanin

Partially gapped Fermi surfaces in $La_3Co_4Sn_{13}$ revealed by nuclear magnetic resonance *(6 pages)* 115113
H. F. Liu, C. N. Kuo, C. S. Lue, K.-Z. Syu, and Y. K. Kuo

Relating the entanglement spectrum of noninteracting band insulators to their quantum geometry and topology *(9 pages)* 115114
Markus Legner and Titus Neupert

Quantum phases of one-dimensional Hubbard models with three- and four-body couplings *(11 pages)* 115115
Fabrizio Dolcini and Arianna Montorsi

Quantum critical metals in $d = 3 + 1$ dimensions *(6 pages)* 115116
R. Mahajan, D. M. Ramirez, S. Kachru, and S. Raghu

Geometrical description of fractional Chern insulators based on static structure factor calculations *(12 pages)* 115117
E. Dobardžić, M. V. Milovanović, and N. Regnault

Low-Q whispering gallery modes in anisotropic metamaterial shells *(11 pages)* 115118
Ana Díaz-Rubio, Jorge Carbonell, Daniel Torrent, and José Sánchez-Dehesa

Anomaly induced chiral magnetic current in a Weyl semimetal: Chiral electronics *(5 pages)* 115119
Dmitri E. Kharzeev and Ho-Ung Yee

Detecting the direction of oxygen bonding in $SrTiO_3$ *(14 pages)* 115120
M. J. Neish, N. R. Lugg, S. D. Findlay, M. Haruta, K. Kimoto, and L. J. Allen

Real-space Green's function approach to angle-resolved resonant photoemission: Spin polarization and circular dichroism in itinerant magnets *(10 pages)* 115121
Fabiana Da Pieve and Peter Krüger

Origin of the phase transition in $IrTe_2$: Structural modulation and local bonding instability *(7 pages)* 115122
Huibo Cao, Bryan C. Chakoumakos, Xin Chen, Jiaqiang Yan, Michael A. McGuire, Hui Yang, Radu Custelcean, Haidong Zhou, David J. Singh, and David Mandrus

Uniform electron gas at finite temperatures *(8 pages)* 115123
Travis Sjostrom and James Dufty

Electronic structure of $Ca_{10}(Pt_4As_8)(Fe_{2-x}Pt_xAs_2)_5$ with metallic Pt_4As_8 layers: An angle-resolved photoemission spectroscopy study *(6 pages)* 115124
X. P. Shen, S. D. Chen, Q. Q. Ge, Z. R. Ye, F. Chen, H. C. Xu, S. Y. Tan, X. H. Niu, Q. Fan, B. P. Xie, and D. L. Feng

Electron momentum density in liquid silicon *(7 pages)* 115125
K. Matsuda, T. Nagao, Y. Kajihara, M. Inui, K. Tamura, J. Nakamura, K. Kimura, M. Yao, M. Itou, Y. Sakurai, and N. Hiraoka

Scaling of electrical and thermal conductivities in an almost integrable chain *(5 pages)* 115126
Yichen Huang, C. Karrasch, and J. E. Moore

Superconductivity in the two-dimensional Hubbard model: Gutzwiller wave function solution *(5 pages)* 115127
Jan Kaczmarczyk, Jozef Spałek, Tobias Schickling, and Jörg Bünemann

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 88, NUMBER 11** **SEPTEMBER 2013-15(I)**

Thermoelectric effect of correlated metals: Band-structure effects and the breakdown of Mott's formula *(8 pages)* 115128
Jonathan M. Buhmann and Manfred Sigrist

Un-Fermi liquids: Unparticles in strongly correlated electron matter *(9 pages)* 115129
Philip W. Phillips, Brandon W. Langley, and Jimmy A. Hutasoit

Distinct in-plane resistivity anisotropy in a detwinned FeTe single crystal: Evidence for a Hund's metal *(5 pages)* 115130
Juan Jiang (姜娟), C. He (贺诚), Y. Zhang (张焱), M. Xu (徐敏), Q. Q. Ge (葛青亲), Z. R. Ye (叶子荣), F. Chen (陈飞), B. P. Xie (谢斌平), and D. L. Feng (封东来)

Beyond the random phase approximation: Improved description of short-range correlation by a renormalized adiabatic local density approximation *(12 pages)* 115131
Thomas Olsen and Kristian S. Thygesen

Exact spectral function for hole-magnon coupling in a ferromagnetic CuO_3-like chain *(8 pages)* 115132
Krzysztof Bieniasz and Andrzej M. Oleś

Exactly soluble lattice models for non-Abelian states of matter in two dimensions *(13 pages)* 115133
Maciej Koch-Janusz, Michael Levin, and Ady Stern

Effective fluctuation theorems for electron transport in a double quantum dot coupled to a quantum point contact *(18 pages)* 115134
Gregory Bulnes Cuetara, Massimiliano Esposito, Gernot Schaller, and Pierre Gaspard

Possible Bose-condensate behavior in a quantum phase originating in a collective excitation in the chemically and optically doped Mott-Hubbard system UO_{2+x} *(21 pages)* 115135
Steven D. Conradson, Tomasz Durakiewicz, Francisco J. Espinosa-Faller, Yong Q. An, David A. Andersson, Alan R. Bishop, Kevin S. Boland, Joseph A. Bradley, Darrin D. Byler, David L. Clark, Dylan R. Conradson, Leilani L. Conradson, Alison L. Costello, Nancy J. Hess, Gerard H. Lander, Anna Llobet, Mary B. Martucci, Jose Mustre de Leon, Dennis Nordlund, Juan S. Lezama-Pacheco, Thomas E. Proffen, George Rodriguez, Daniel E. Schwarz, Gerald T. Seidler, Antoinette J. Taylor, Stuart A. Trugman, Trevor A. Tyson, and James A. Valdez

Interfacial magnetism in manganite superlattices *(5 pages)* 115136
Kalpataru Pradhan and Arno P. Kampf

Gapped symmetry preserving surface state for the electron topological insulator *(10 pages)* 115137
Chong Wang, Andrew C. Potter, and T. Senthil

Quantum Monte Carlo with coupled-cluster wave functions *(5 pages)* 115138
Alessandro Roggero, Abhishek Mukherjee, and Francesco Pederiva

Efficient simulation of Grassmann tensor product states *(12 pages)* 115139
Zheng-Cheng Gu

Magnetic control of the valley degree of freedom of massive Dirac fermions with application to transition metal dichalcogenides *(8 pages)* 115140
Tianyi Cai, Shengyuan A. Yang, Xiao Li, Fan Zhang, Junren Shi, Wang Yao, and Qian Niu

Strong anisotropic influence of local-field effects on the dielectric response of α-MoO_3 *(9 pages)* 115141
L. Lajaunie, F. Boucher, R. Dessapt, and P. Moreau

Luttinger parameters of interacting fermions in one dimension at high energies *(6 pages)* 115142
O. Tsyplyatyev and A. J. Schofield

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 88, NUMBER 11** **SEPTEMBER 2013-15(I)**

Phase diagram structure of topological Mott transition for zero-gap semiconductors beyond conventional Landau-Ginzburg-Wilson scenario *(21 pages)* 115143
Moyuru Kurita, Youhei Yamaji, and Masatoshi Imada

Quench dynamics of one-dimensional bosons in a commensurate periodic potential: A quantum kinetic equation approach *(18 pages)* 115144
Marco Tavora and Aditi Mitra

Superconductivity and bandwidth-controlled Mott metal-insulator transition in $1T$-$TaS_{2-x}Se_x$ *(5 pages)* 115145
R. Ang, Y. Miyata, E. Ieki, K. Nakayama, T. Sato, Y. Liu, W. J. Lu, Y. P. Sun, and T. Takahashi

Lattice distortion effects on topological phases in $(LaNiO_3)_2/(LaAlO_3)_N$ heterostructures grown along the [111] direction *(12 pages)* 115146
Andreas Rüegg, Chandrima Mitra, Alexander A. Demkov, and Gregory A. Fiete

Global symmetries in tensor network states: Symmetric tensors versus minimal bond dimension *(11 pages)* 115147
Sukhwinder Singh and Guifre Vidal

Semiconductors I: bulk

Convergence of density and hybrid functional defect calculations for compound semiconductors *(7 pages)* 115201
Haowei Peng, David O. Scanlon, Vladan Stevanovic, Julien Vidal, Graeme W. Watson, and Stephan Lany

High-pressure lattice dynamics in wurtzite and rocksalt indium nitride investigated by means of Raman spectroscopy *(13 pages)* 115202
J. Ibáñez, R. Oliva, F. J. Manjón, A. Segura, T. Yamaguchi, Y. Nanishi, R. Cuscó, and L. Artús

Electronic structure of phosphorus and arsenic δ-doped germanium *(10 pages)* 115203
D. J. Carter, O. Warschkow, J. D. Gale, G. Scappucci, W. M. Klesse, G. Capellini, A. L. Rohl, M. Y. Simmons, D. R. McKenzie, and N. A. Marks

Blue luminescence and Zn acceptor in GaN *(6 pages)* 115204
D. O. Demchenko and M. A. Reshchikov

Band nesting and the optical response of two-dimensional semiconducting transition metal dichalcogenides *(6 pages)* 115205
A. Carvalho, R. M. Ribeiro, and A. H. Castro Neto

Magnetic instability induced by Rh doping in the Kondo semiconductor $CeRu_2Al_{10}$ *(8 pages)* 115206
Hanjie Guo, Hiroshi Tanida, Riki Kobayashi, Ikuto Kawasaki, Masafumi Sera, Takashi Nishioka, Masahiro Matsumura, Isao Watanabe, and Zhu-an Xu

Thinning down of thermal conductivity in ultrashort period superlattices *(14 pages)* 115207
Iorwerth O. Thomas and G. P. Srivastava

Relation between exciton splittings, magnetic circular dichroism, and magnetization in wurtzite $Ga_{1-x}Fe_xN$ *(7 pages)* 115208
J.-G. Rousset, J. Papierska, W. Pacuski, A. Golnik, M. Nawrocki, W. Stefanowicz, S. Stefanowicz, M. Sawicki, R. Jakieła, T. Dietl, A. Navarro-Quezada, B. Faina, T. Li, A. Bonanni, and J. Suffczyński

Epitaxial $Si_{1-x}Ge_x$ alloys studied by spin-polarized photoemission *(6 pages)* 115209
A. Ferrari, F. Bottegoni, G. Isella, S. Cecchi, and F. Ciccacci

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 88, NUMBER 11** **SEPTEMBER 2013-15(I)**

Scaling approach to hopping magnetoresistivity in dilute magnetic semiconductors *(6 pages)* 115210
A. V. Nenashev, F. Jansson, M. Wiemer, S. Petznick, P. J. Klar, M. Hetterich, A. V. Dvurechenskii, F. Gebhard, and S. D. Baranovskii

Electronic inhomogeneity in *n*- and *p*-type PbTe detected by ^{125}Te NMR *(5 pages)* 115211
E. M. Levin, J. P. Heremans, M. G. Kanatzidis, and K. Schmidt-Rohr

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

Fe impurity-induced electronic states at the GaAs(110) surface *(6 pages)* 115301
Svenja Mühlenberend, Markus Gruyters, and Richard Berndt

Effect of gate-driven spin resonance on the conductance through a one-dimensional quantum wire *(8 pages)* 115302
Almas F. Sadreev and E. Ya. Sherman

Dynamics of dissipative multiple exciton generation in semiconductor nanostructures *(10 pages)* 115303
Maryam Azizi and Paweł Machnikowski

Large band offset as driving force of two-dimensional electron confinement: The case of $SrTiO_3/SrZrO_3$ interface *(6 pages)* 115304
P. Delugas, A. Filippetti, A. Gadaleta, I. Pallecchi, D. Marré, and V. Fiorentini

Relative intensity noise and emission linewidth of polariton laser diodes *(9 pages)* 115305
Marlene Glauser and Raphaël Butté

Optical properties of charged quantum dots doped with a single magnetic impurity *(10 pages)* 115306
U. C. Mendes, M. Korkusinski, A. H. Trojnar, and P. Hawrylak

$\mathbb{Z}_2$ anomaly and boundaries of topological insulators *(8 pages)* 115307
Zohar Ringel and Ady Stern

Determination of the surface and interface phase shifts in metallic quantum well structures of perovskite oxides *(5 pages)* 115308
K. Yoshimatsu, E. Sakai, M. Kobayashi, K. Horiba, T. Yoshida, A. Fujimori, M. Oshima, and H. Kumigashira

Hydrostatic strain enhancement in laterally confined SiGe nanostripes *(15 pages)* 115309
G. M. Vanacore, M. Chaigneau, N. Barrett, M. Bollani, F. Boioli, M. Salvalaglio, F. Montalenti, N. Manini, L. Caramella, P. Biagioni, D. Chrastina, G. Isella, O. Renault, M. Zani, R. Sordan, G. Onida, R. Ossikovski, H.-J. Drouhin, and A. Tagliaferri

Doping efficiency in *n*-type InP nanowires *(6 pages)* 115310
Lucas V. Besteiro, Luis Tortajada, J. Souto, L. J. Gallego, James R. Chelikowsky, and M. M. G. Alemany

Unrolling the evolution kinetics of ordered SiGe islands via Ge surface diffusion *(13 pages)* 115311
M. Grydlik, M. Brehm, F. Hackl, F. Schäffler, G. Bauer, and T. Fromherz

Atomic and electronic structure of GaP/Si(111), GaP/Si(110), and GaP/Si(113) interfaces and superlattices studied by density functional theory *(8 pages)* 115312
O. Romanyuk, T. Hannappel, and F. Grosse

Anomalous quantum confinement of the longitudinal optical phonon mode in PbSe quantum dots *(7 pages)* 115313
J. Habinshuti, O. Kilian, O. Cristini-Robbe, A. Sashchiuk, A. Addad, S. Turrell, E. Lifshitz, B. Grandidier, and L. Wirtz

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 88, NUMBER 11** **SEPTEMBER 2013-15(I)**

Theoretical perspective of photocatalytic properties of single-layer SnS_2 *(5 pages)* 115314
Houlong L. Zhuang and Richard G. Hennig

Unit cell structure of the wurtzite phase of GaP nanowires: X-ray diffraction studies and density functional theory calculations *(7 pages)* 115315
Dominik Kriegner, Simone Assali, Abderrezak Belabbes, Tanja Etzelstorfer, Václav Holý, Tobias Schülli, Friedhelm Bechstedt, Erik P. A. M. Bakkers, Günther Bauer, and Julian Stangl

Surface physics, nanoscale physics, low-dimensional systems

Nonlocal response in thin-film waveguides: Loss versus nonlocality and breaking of complementarity *(9 pages)* 115401
Søren Raza, Thomas Christensen, Martijn Wubs, Sergey I. Bozhevolnyi, and N. Asger Mortensen

Kinetically driven shape changes in early stages of two-dimensional island coarsening: Ag/Ag(111) *(8 pages)* . . . 115402
Giridhar Nandipati, Abdelkader Kara, Syed Islamuddin Shah, and Talat S. Rahman

Negative refractive index materials for improved solar cells *(5 pages)* 115403
Stephan Fahr, Carsten Rockstuhl, and Falk Lederer

Thermoelectric effects in silicene nanoribbons *(12 pages)* 115404
K. Zberecki, M. Wierzbicki, J. Barnaś, and R. Swirkowicz

Reconstruction of tip-surface interactions with multimodal intermodulation atomic force microscopy *(11 pages)* 115405
Stanislav S. Borysov, Daniel Platz, Astrid S. de Wijn, Daniel Forchheimer, Eric A. Tolén, Alexander V. Balatsky, and David B. Haviland

Rashba fields in a two-dimensional electron gas at electromagnetic spin resonance *(5 pages)* 115406
W. Ungier and W. Jantsch

Fractional and integer quantum Hall effects in the zeroth Landau level in graphene *(17 pages)* 115407
Dmitry A. Abanin, Benjamin E. Feldman, Amir Yacoby, and Bertrand I. Halperin

Effect of spin-orbit couplings in graphene with and without potential modulation *(9 pages)* 115408
Kh. Shakouri, M. Ramezani Masir, A. Jellal, E. B. Choubabi, and F. M. Peeters

Electronic transmission through AB-BA domain boundary in bilayer graphene *(9 pages)* 115409
Mikito Koshino

Aharonov-Casher effect in quantum ring ensembles *(4 pages)* 115410
Fateme K. Joibari, Ya. M. Blanter, and Gerrit E. W. Bauer

Hyperfine interactions in two-dimensional HgTe topological insulators *(18 pages)* 115411
Anders Mathias Lunde and Gloria Platero

Diffusing magnetic Tb impurities and magnetotransport in strongly spin-polarized Bi films *(8 pages)* 115412
Sergii Sologub, Daniel Lükermann, Herbert Pfnür, and Christoph Tegenkamp

Atomistic understanding of diffusion kinetics in nanocrystals from molecular dynamics simulations *(7 pages)* . . . 115413
Yun-Jiang Wang, Guo-Jie J. Gao, and Shigenobu Ogata

Screening in multilayer graphene *(10 pages)* 115414
Ralph van Gelderen, Richard Olsen, and C. Morais Smith

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 88, NUMBER 11** **SEPTEMBER 2013-15(I)**

Electron quantization in arbitrarily shaped gold islands on MgO thin films *(8 pages)* 115415
Christian Stiehler, Yi Pan, Wolf-Dieter Schneider, Pekka Koskinen, Hannu Häkkinen, Niklas Nilius, and Hans-Joachim Freund

Enhanced transmission through gratings: Structural and geometrical effects *(5 pages)* 115416
Agnès Maurel, Simon Félix, and Jean-François Mercier

Zeeman coupling and screening corrections to skyrmion excitations in graphene *(13 pages)* 115417
Wenchen Luo and R. Côté

Flexural mode of graphene on a substrate *(7 pages)* 115418
Bruno Amorim and Francisco Guinea

Mode conversion and long-lived vibrational modes in lead monolayers on silicon (111) after femtosecond laser excitation: A molecular dynamics simulation *(8 pages)* 115419
Sung Sakong, Peter Kratzer, Simone Wall, Annika Kalus, and Michael Horn-von Hoegen

Dielectric screening and plasmons in AA-stacked bilayer graphene *(7 pages)* 115420
Rafael Roldán and Luis Brey

Interplay between energy dissipation and reservoir-induced thermalization in nonequilibrium quantum nanodevices *(7 pages)* 115421
Fabrizio Dolcini, Rita Claudia Iotti, and Fausto Rossi

Charge compensation by long-period reconstruction in strongly polar lithium niobate surfaces *(5 pages)* 115422
S. Sanna, S. Rode, R. Hölscher, S. Klassen, C. Marutschke, K. Kobayashi, H. Yamada, W. G. Schmidt, and A. Kühnle

Nanoscopic interferometer model for spin resonance in current noise *(9 pages)* 115423
Anatoly Golub and Baruch Horovitz

Fine structure of light-hole excitons in nanowire quantum dots *(6 pages)* 115424
M. Zieliński

Coordination-driven magnetic-to-nonmagnetic transition in manganese-doped silicon clusters *(6 pages)* 115425
V. Zamudio-Bayer, L. Leppert, K. Hirsch, A. Langenberg, J. Rittmann, M. Kossick, M. Vogel, R. Richter, A. Terasaki, T. Möller, B. v. Issendorff, S. Kümmel, and J. T. Lau

Anisotropic intrinsic spin relaxation in graphene due to flexural distortions *(7 pages)* 115426
S. Fratini, D. Gosálbez-Martínez, P. Merodio Cámara, and J. Fernández-Rossier

Experimental evidence of nanometer-scale confinement of plasmonic eigenmodes responsible for hot spots in random metallic films *(7 pages)* 115427
Arthur Losquin, Sophie Camelio, David Rossouw, Mondher Besbes, Frédéric Pailloux, David Babonneau, Gianluigi A. Botton, Jean-Jacques Greffet, Odile Stéphan, and Mathieu Kociak

Electronic structure of a hexagonal graphene flake subjected to triaxial stress *(9 pages)* 115428
M. Neek-Amal, L. Covaci, Kh. Shakouri, and F. M. Peeters

Oscillatory and sign-alternating behaviors of the Seebeck coefficients in carbon monatomic junctions *(4 pages)* 115429
Bailey C. Hsu, Hsuan-Te Yao, Wei-Lin Liu, and Yu-Chang Chen

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 88, NUMBER 11** **SEPTEMBER 2013-15(I)**

Fermi surface nesting and magnetic quantum phase transition in graphenelike BC_3: A first-principles study *(6 pages)* 115430
Xi Chen and Jun Ni

Electronic structure of atomically coherent square semiconductor superlattices with dimensionality below two *(9 pages)* 115431
E. Kalesaki, W. H. Evers, G. Allan, D. Vanmaekelbergh, and C. Delerue

Edge states in silicene nanodisks *(6 pages)* 115432
Ko Kikutake, Motohiko Ezawa, and Naoto Nagaosa

Strain stabilization and thickness dependence of magnetism in epitaxial transition metal monosilicide thin films on Si(111) *(13 pages)* 115433
Benjamin Geisler and Peter Kratzer

Bonding, stability, and electronic properties of the BC_3 honeycomb monolayer structure on NbB_2(0001) *(6 pages)* 115434
Shi-Yu Liu, Shiyang Liu, De-Jun Li, Hongli Dang, Yingdi Liu, Sha Xue, Wenhua Xue, and Sanwu Wang

Transport of spin anisotropy without spin currents *(40 pages)* 115435
Michael Hell, Sourin Das, and Maarten R. Wegewijs

Dipole-induced localized plasmon modes and resonant surface plasmon scattering *(5 pages)* 115436
E. G. Mishchenko

Tight-binding couplings in microwave artificial graphene *(9 pages)* 115437
Matthieu Bellec, Ulrich Kuhl, Gilles Montambaux, and Fabrice Mortessagne

HOMO band dispersion of crystalline rubrene: Effects of self-energy corrections within the *GW* approximation *(7 pages)* 115438
Susumu Yanagisawa, Yoshitada Morikawa, and Arno Schindlmayr

Tunable omnidirectional strong light-matter interactions mediated by graphene surface plasmons *(6 pages)* 115439
Feng Liu and Ertugrul Cubukcu

ERRATA

Erratum: Spin transport and tunable Gilbert damping in a single-molecule magnet junction [Phys. Rev. B **87**, 045426 (2013)] *(4 pages)* . . . . . 119901(E)
Milena Filipović, Cecilia Holmqvist, Federica Haupt, and Wolfgang Belzig

Publisher's Note: Spin-flip transitions and departure from the Rashba model in the Au(111) surface [Phys. Rev. B **88**, 125404 (2013)] *(1 page)* . . . . . 119902(E)
Julen Ibañez-Azpiroz, Aitor Bergara, E.Ya. Sherman, and Asier Eiguren

Erratum: Intraband conductivity response in graphene observed using ultrafast infrared-pump visible-probe spectroscopy [Phys. Rev. B **86**, 125403 (2012)] *(1 page)* . . . . . 119903(E)
K. M. Dani, J. Lee, R. Sharma, A. D. Mohite, C. M. Galande, P. M. Ajayan, A. M. Dattelbaum, H. Htoon, A. J. Taylor, and R. P. Prasankumar

Publisher's Note: Role of the ligand layer for photoluminescence spectral diffusion of CdSe/ZnS nanoparticles [Phys. Rev. B **88**, 125302 (2013)] *(1 page)* . . . . . 119904(E)
Daniel Braam, Andreas Mölleken, Günther M. Prinz, Christian Notthoff, Martin Geller, and Axel Lorke

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 88, NUMBER 11** **SEPTEMBER 2013-15(I)**

Erratum: Efficiency and rate of spontaneous emission in organic electroluminescent devices [Phys. Rev. B **85**, 115205 (2012)] *(1 page)* . . . . . 119905(E)
Mauro Furno, Rico Meerheim, Simone Hofmann, Björn Lüssem, and Karl Leo

Erratum: Band-edge levels in semiconductors and insulators: Hybrid density functional theory versus many-body perturbation theory [Phys. Rev. B **86**, 035134 (2012)] *(1 page)* . . . . . 119906(E)
Wei Chen and Alfredo Pasquarello