

ERRATA

Erratum: Dispersion of spoof surface plasmons in open-ended metallic hole arrays [Phys. Rev. B 84 , 035418 (2011)] (<i>1 page</i>).....	129901(E)
E. K. Stone and E. Hendry	
Erratum: Spin susceptibility and helical magnetic order at the edges/surfaces of topological insulators due to Fermi surface nesting [Phys. Rev. B 83 , 205124 (2011)] (<i>1 page</i>)	129902(E)
Jian-Hua Jiang and Si Wu	
Erratum: Optical coupling of two distant InAs/GaAs quantum dots by a photonic-crystal microcavity [Phys. Rev. B 81 , 193301 (2010)] (<i>1 page</i>).....	129903(E)
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	

Electric-field-induced penetration of edge states at the interface between monolayer and bilayer graphene (<i>9 pages</i>)	125430
Yasumasa Hasegawa and Mahito Kohmoto	
Synthesis of highly confined surface plasmon modes with doped graphene sheets in the midinfrared and terahertz frequencies (<i>9 pages</i>)	125431
Choon How Gan, Hong Son Chu, and Er Ping Li	
Time-dependent near-blackbody thermal emission from pulsed laser irradiated vertically aligned carbon nanotube arrays (<i>12 pages</i>)	125432
Raúl Fainchtein, David M. Brown, Karen M. Siegrist, Andrew H. Monica, Ehren Hwang, Stuart D. Milner, and Christopher C. Davis	
Quantum size effects in the atomistic structure of armchair nanoribbons (<i>8 pages</i>)	125433
A. Dasgupta, S. Bera, F. Evers, and M. J. van Setten	
Many-body effects in magnetic inelastic electron tunneling spectroscopy (<i>10 pages</i>)	125434
Richard Korytár, Nicolás Lorente, and Jean-Pierre Gauyacq	
Al enhances the H ₂ storage capacity of graphene at nanoribbon borders but not at central sites: A study using nonlocal van der Waals density functionals (<i>7 pages</i>)	125435
J. Carrete, R. C. Longo, L. J. Gallego, A. Vega, and L. C. Balbás	
Phase structure of monolayer graphene from effective U(1) gauge theory on honeycomb lattice (<i>11 pages</i>)	125436
Yasufumi Araki	
Two-dimensional Dirac fermions in the presence of long-range correlated disorder (<i>16 pages</i>)	125437
Andrei A. Fedorenko, David Carpentier, and Edmond Orignac	
Enhanced Raman scattering mediated by long wave vector surface plasmon polaritons (<i>5 pages</i>)	125438
T. López-Ríos	
Development of a self-consistent free-form approach for studying the three-dimensional morphology of a thin film (<i>15 pages</i>)	125439
Igor V. Kozhevnikov, Luca Peverini, and Eric Ziegler	
Scattering theory of chiral Majorana fermion interferometry (<i>15 pages</i>)	125440
Jian Li, Geneviève Fleury, and Markus Büttiker	
Large current noise in nanoelectromechanical systems close to continuous mechanical instabilities (<i>11 pages</i>)	125441
Jochen Brüggemann, Guillaume Weick, Fabio Pistolesi, and Felix von Oppen	
Andreev quantum dot with several conducting channels (<i>12 pages</i>)	125442
I. A. Sadovskyy, G. B. Lesovik, G. Blatter, T. Jonckheere, and T. Martin	
Anisotropic dynamics of charge carriers in graphene (<i>9 pages</i>)	125443
Géza I. Márk, Péter Vancsó, Chanyong Hwang, Philippe Lambin, and László P. Biró	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 85, NUMBER 12

MARCH 2012-15(II)

Surface properties of the clean and Au/Pd covered $\text{Fe}_3\text{O}_4(111)$: DFT and DFT+ U study (11 pages)	125414
Adam Kiejna, Tomasz Ossowski, and Tomasz Pabisiak	
Knots in a graphene nanoribbon (4 pages)	125415
R. Kagimura, M. S. C. Mazzoni, and H. Chacham	
Understanding image contrast formation in TiO_2 with force spectroscopy (9 pages)	125416
Ayhan Yurtsever, Delia Fernández-Torre, César González, Pavel Jelínek, Pablo Pou, Yoshiaki Sugimoto, Masayuki Abe, Rubén Pérez, and Seizo Morita	
Growth and decay of hcp-like Cu hut-shaped structures on W(100) (8 pages)	125417
Tjeerd R. J. Bollmann, Raoul van Gastel, Herbert Wormeester, Harold J. W. Zandvliet, and Bene Poelsema	
Birefringent nanostructured composite materials (8 pages)	125418
Bernardo S. Mendoza and W. Luis Mochán	
Direct experimental determination of the K 2 <i>p</i> and Cl 2 <i>p</i> core-level binding energy shifts between molecular and solid KCl: Line broadening effects (7 pages)	125419
M. Patanen, G. M. Bancroft, S. Aksela, and H. Aksela	
Collective mode in a well-ordered organic monolayer (6 pages)	125420
E. Salomon, J.-M. Layet, and T. Angot	
One-channel conductor coupled to a quantum of resistance: Exact ac conductance and finite-frequency noise (13 pages)	125421
Redouane Zamoum, Adeline Crépieux, and Inès Safi	
Magneto-optical conductivity in graphene including electron-phonon coupling (22 pages)	125422
Adam Pound, J. P. Carbotte, and E. J. Nicol	
Voltage controlled exchange energies of a two-electron silicon double quantum dot with and without charge defects in the dielectric (6 pages)	125423
Rajib Rahman, Erik Nielsen, Richard P. Muller, and Malcolm S. Carroll	
Probing biological light-harvesting phenomena by optical cavities (10 pages)	125424
Filippo Caruso, Semion K. Saikin, Enrique Solano, Susana F. Huelga, Alán Aspuru-Guzik, and Martin B. Plenio	
Photoinduced spin Chern number change in a two-dimensional quantum spin Hall insulator with broken spin rotational symmetry (7 pages)	125425
Jun-ichi Inoue and Akihiro Tanaka	
Theory of orthogonal interactions of CO molecules on a one-dimensional substrate (10 pages)	125426
Chungwei Lin, Min Feng, Jin Zhao, Pepa Cabrera-Sanfeliix, Andres Arnau, Daniel Sánchez-Portal, and Hrvoje Petek	
Nonlinear breatherlike localized modes in C_{60} nanocrystals (7 pages)	125427
Alexander V. Savin and Yuri S. Kivshar	
Mechanical properties of graphene and boronitrene (9 pages)	125428
R. C. Andrew, R. E. Mapasha, A. M. Ukpong, and N. Chetty	
Circular optical nanoantennas: an analytical theory (12 pages)	125429
Robert Filter, Jing Qi (戚婧), Carsten Rockstuhl, and Falk Lederer	

(Continued)

Time-resolved differential transmission in MOVPE-grown ferromagnetic InMnAs (<i>6 pages</i>)	125313
M. Bhowmick, T. R. Merritt, G. A. Khodaparast, Bruce W. Wessels, Stephen A. McGill, D. Saha, X. Pan, G. D. Sanders, and C. J. Stanton	
Stationary phase approximation approach to the quasiparticle interference on the surface of a strong topological insulator (<i>8 pages</i>)	125314
Qin Liu, Xiao-Liang Qi, and Shou-Cheng Zhang	
Surface physics, nanoscale physics, low-dimensional systems	
Effect of magnetic field on electron transport in HgTe/CdTe quantum wells: Numerical analysis (<i>8 pages</i>)	125401
Jiang-chai Chen, Jian Wang, and Qing-feng Sun	
Strain and x-ray diffraction from axial nanowire heterostructures (<i>9 pages</i>)	125402
V. M. Kaganer and A. Yu. Belov	
Strain-induced band gaps in bilayer graphene (<i>10 pages</i>)	125403
B. Verberck, B. Partoens, F. M. Peeters, and B. Trauzettel	
Tuning the two-dimensional electron gas at the LaAlO ₃ /SrTiO ₃ (001) interface by metallic contacts (<i>8 pages</i>)	125404
Rémi Arras, Victor G. Ruiz, Warren E. Pickett, and Rossitza Pentcheva	
Direct proof of mesoscopic misfit in nanoscale islands by x-ray absorption spectroscopy (<i>9 pages</i>)	125405
H. L. Meyerheim, E. D. Crozier, R. A. Gordon, Q. F. Xiao, K. Mohseni, N. N. Negulyaev, V. S. Stepanyuk, and J. Kirschner	
Coulomb blockade of nonlocal electron transport in metallic conductors (<i>11 pages</i>)	125406
D. S. Golubev and A. D. Zaikin	
Interface dipole effect on thin film ferroelectric stability: First-principles and phenomenological modeling (<i>8 pages</i>)	125407
Xiaohui Liu, Yong Wang, Pavel V. Lukashev, J. D. Burton, and Evgeny Y. Tsymbal	
Hillock formation of Pt thin films on single-crystal yttria-stabilized zirconia (<i>8 pages</i>)	125408
Henning Galinski, Thomas Ryll, Lukas Schlagenhauf, Ludwig J. Gauckler, Patrick Stender, and Guido Schmitz	
Graphing and grafting graphene: Classifying finite topological defects (<i>6 pages</i>)	125409
Eric Cockayne	
Multiple coexisting intercalation structures of sodium in epitaxial graphene-SiC interfaces (<i>5 pages</i>)	125410
Andreas Sandin, Thushari Jayasekera, J. E. Rowe, Ki Wook Kim, M. Buongiorno Nardelli, and Daniel B. Dougherty	
One-dimensional plasmons confined in bilayer graphene <i>p-n</i> junctions (<i>10 pages</i>)	125411
N. M. Hassan, V. V. Mkhitarian, and E. G. Mishchenko	
Noninvasive embedding of single Co atoms in Ge(111)2 × 1 surfaces (<i>19 pages</i>)	125412
D. A. Muzychenko, K. Schouteden, M. Houssa, S. V. Savinov, and C. Van Haesendonck	
Dynamics of photoexcited carriers in graphene (<i>8 pages</i>)	125413
B. Y. Sun, Y. Zhou, and M. W. Wu	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 85, NUMBER 12

MARCH 2012-15(II)

Thermoelectric properties of n -type $\text{Bi}_2(\text{Te}_{0.85}\text{Se}_{0.15})_3$ single crystals doped with CuBr and SbI_3 (11 pages)	125207
Ö. Ceyda Yelgel and G. P. Srivastava	
Growth and magnetic properties of Mn-doped germanium near the kinetic solubility limit (7 pages)	125208
Mustafa M. Özer, James R. Thompson, and Hanno H. Weitering	
Thermoelectric properties of AgGaTe_2 and related chalcopyrite structure materials (7 pages)	125209
David Parker and David J. Singh	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Plasmon-polariton emission from a coherently p -excited quantum dot near a metal interface (6 pages)	125301
C. Sanchez-Munoz, A. Gonzalez-Tudela, and C. Tejedor	
Quantum theory of intersubband polarons (9 pages)	125302
Simone De Liberato and Cristiano Ciuti	
Interaction correction to the conductivity of two-dimensional electron gas in $\text{In}_x\text{Ga}_{1-x}\text{As}/\text{InP}$ quantum well structure with strong spin-orbit coupling (7 pages)	125303
G. M. Minkov, A. V. Germanenko, O. E. Rut, and A. A. Sherstobitov	
Coherent spin dynamics of electrons and holes in semiconductor quantum wells and quantum dots under periodical optical excitation: Resonant spin amplification versus spin mode locking (16 pages)	125304
I. A. Yugova, M. M. Glazov, D. R. Yakovlev, A. A. Sokolova, and M. Bayer	
Nature of defects and gap states in GeTe model phase change materials (6 pages)	125305
B. Huang and J. Robertson	
Mechanism for p -type conduction in polycrystalline indium oxide films (5 pages)	125306
Jolanta Stankiewicz, María Pilar Lozano, and Francisco Villuendas	
Quasiparticle and optical spectroscopy of the organic semiconductors pentacene and PTCDA from first principles (11 pages)	125307
Sahar Sharifzadeh, Ariel Biller, Leeor Kronik, and Jeffrey B. Neaton	
Real-space entanglement spectrum of quantum Hall states (11 pages)	125308
A. Sterdyniak, A. Chandran, N. Regnault, B. A. Bernevig, and Parsa Bonderson	
Tunable quantum spin Hall effect in double quantum wells (8 pages)	125309
Paolo Michetti, Jan C. Budich, Elena G. Novik, and Patrik Recher	
Ambipolar transport and charge transfer at the interface between sexithiophene and N,N -bis(n -octyl)-dicyanoperylene diimide films (10 pages)	125310
F. V. Di Girolamo, M. Barra, F. Chiarella, S. Lettieri, M. Salluzzo, and A. Cassinese	
Influence of electronic coupling on the radiative lifetime in the $(\text{In,Ga})\text{As}/\text{GaAs}$ quantum dot-quantum well system (7 pages)	125311
M. Syperek, J. Andrzejewski, W. Rudno-Rudziński, G. Sęk, J. Misiewicz, E. M. Pavelescu, C. Gilfert, and J. P. Reithmaier	
Spin dynamics in a strongly driven system: Very slow Rabi oscillations (6 pages)	125312
D. V. Khomitsky, L. V. Gulyaev, and E. Ya. Sherman	

(Continued)

Electronic band redistribution probed by oxygen absorption spectra of $(\text{SrMnO}_3)_n(\text{LaMnO}_3)_{2n}$ superlattices (5 pages)	125129
A. Galdi, C. Aruta, P. Orgiani, C. Adamo, V. Bisogni, N. B. Brookes, G. Ghiringhelli, D. G. Schlom, P. Thakur, and L. Maritato	
Character of valence-band states in the Kondo surface alloys $\text{CeAg}_x/\text{Ag}(111)$ and $\text{CePt}_5/\text{Pt}(111)$ (7 pages)	125130
H. Schwab, M. Mulazzi, J. Jiang, H. Hayashi, T. Habuchi, D. Hirayama, H. Iwasawa, K. Shimada, and F. Reinert	
Cavity approach to variational quantum mechanics (7 pages)	125131
A. Ramezanpour	
Spin manipulation and relaxation in spin-orbit qubits (6 pages)	125132
Massoud Borhani and Xuedong Hu	
Systematic computation of crystal-field multiplets for x-ray core spectroscopies (14 pages)	125133
A. Uldry, F. Vernay, and B. Delley	
Electronic structure of LaBr_3 from quasiparticle self-consistent GW calculations (8 pages)	125134
Daniel Åberg, Babak Sadigh, and Paul Erhart	
Approximate theory of temperature coefficient of resistivity of amorphous semiconductors (14 pages)	125135
Ming-Liang Zhang and D. A. Drabold	
XANES study of rhenium oxide compounds at the L_1 and L_3 absorption edges (8 pages)	125136
Asma Tougeri, Sylvain Cristol, Elise Berrier, Valérie Briois, Camille La Fontaine, Françoise Villain, and Yves Joly	
Hallmark of strong electronic correlations in LaNiO_3 : Photoemission kink and broadening of fully occupied bands (5 pages)	125137
Xiaoyu Deng, Michel Ferrero, Jernej Mravlje, Markus Aichhorn, and Antoine Georges	
Semiconductors I: bulk	
Optical dielectric functions of wurtzite III-V semiconductors (9 pages)	125201
Amrit De and Craig E. Pryor	
Crossover critical behavior of $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ (6 pages)	125202
Sh. U. Yuldashev, Kh. T. Igamberdiev, Y. H. Kwon, Sanghoon Lee, X. Liu, J. K. Furdyna, A. G. Shashkov, and T. W. Kang	
Influence of injected charge carriers on photocurrents in polymer solar cells (12 pages)	125203
Dominique J. Wehenkel, L. Jan Anton Koster, Martijn M. Wienk, and René A. J. Janssen	
Force-matching-based parameterization of the Stillinger-Weber potential for thermal conduction in silicon (5 pages)	125204
Yongjin Lee and Gyeong S. Hwang	
Identification of hydrogen defects in SrTiO_3 by first-principles local vibration mode calculations (5 pages)	125205
Jiraroj T-Thienprasert, Ittipon Fongkaew, D. J. Singh, M.-H. Du, and Sukit Limpijumnong	
Direct detection of photoinduced charge transfer complexes in polymer fullerene blends (6 pages)	125206
Jan Behrends, Andreas Sperlich, Alexander Schnegg, Till Biskup, Christian Teutloff, Klaus Lips, Vladimir Dyakonov, and Robert Bittl	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 85, NUMBER 12

MARCH 2012-15(II)

Dimerization-induced spin-charge coupling in one-dimensional Mott insulators revealed by femtosecond reflection spectroscopy of Rb-tetracyanoquinodimethane salts (7 pages)	125112
H. Uemura, N. Maeshima, K. Yonemitsu, and H. Okamoto	
Correlation effects on a topological insulator at finite temperatures (6 pages)	125113
Tsuneya Yoshida, Satoshi Fujimoto, and Norio Kawakami	
Ferromagnetism and nonlocal correlations in the Hubbard model (9 pages)	125114
S. Henning and W. Nolting	
Chemical imaging and angle-resolved photoemission study of well-ordered thermally reduced SrTiO ₃ (100) (7 pages)	125115
Emmanouil Frantzeskakis, José Avila, and Maria C. Asensio	
Three-sublattice order in the SU(3) Heisenberg model on the square and triangular lattice (11 pages)	125116
Bela Bauer, Philippe Corboz, Andreas M. Läuchli, Laura Messio, Karlo Penc, Matthias Troyer, and Frédéric Mila	
Time-reversal symmetry breaking phase in the Hubbard model: A variational cluster approach study (8 pages)	125117
Xiancong Lu, Liviu Chioncel, and Enrico Arrigoni	
<i>Ab initio</i> investigation of surface stress response to charging of transition and noble metals (5 pages)	125118
J.-M. Albina, C. Elsässer, J. Weissmüller, P. Gumbsch, and Y. Umeno	
Electronic orders in the Verwey structure of magnetite (5 pages)	125119
Mark S. Senn, Ingo Loa, Jon P. Wright, and J. Paul Attfield	
Temperature and voltage probes far from equilibrium (6 pages)	125120
Ph. A. Jacquet and C.-A. Pillet	
Nonlocal order in elongated dipolar gases (11 pages)	125121
J. Ruhman, E. G. Dalla Torre, S. D. Huber, and E. Altman	
Two- and three-dimensional topological insulators with isotropic and parity-breaking Landau levels (9 pages)	125122
Yi Li, Xiangfa Zhou, and Congjun Wu	
Dipolar broadening of nuclear spin resonance under dynamical pumping (6 pages)	125123
O. Tsyplatyev and D. M. Whittaker	
Electronic structure and magneto-optical spectra of La _x Sr _{1-x} MnO ₃ perovskites: Theory and experiment (12 pages)	125124
L. Uba, S. Uba, L. P. Germash, L. V. Bekenov, and V. N. Antonov	
Momentum-space finite-size corrections for quantum Monte Carlo calculations (5 pages)	125125
R. Gaudoin, I. G. Gurtubay, and J. M. Pitarke	
Effective soft-mode theory of strongly interacting fermions (24 pages)	125126
D. Belitz and T. R. Kirkpatrick	
Finite-size effects in transport data from quantum Monte Carlo simulations (10 pages)	125127
Rubem Mondaini, K. Bouadim, Thereza Paiva, and Raimundo R. dos Santos	
Phase diagram for a topological Kondo insulating system (11 pages)	125128
Minh-Tien Tran, Tetsuya Takimoto, and Ki-Seok Kim	

(Continued)

Spectral function of few electrons in quantum wires and carbon nanotubes as a signature of Wigner localization (<i>5 pages</i>)	121410(R)
Andrea Secchi and Massimo Rontani	
Prediction of thickness limits of ideal polar ultrathin films (<i>4 pages</i>)	121411(R)
Zhicheng Zhong, G. Koster, and Paul J. Kelly	
Interplay of electronic structure and atomic ordering on surfaces: Momentum-resolved measurements of Cs atoms adsorbed on a Ag(111) substrate (<i>5 pages</i>)	121412(R)
Hendrik Bentmann, Arne Buchter, and Friedrich Reinert	
Second harmonic generation in multilayer graphene induced by direct electric current (<i>4 pages</i>)	121413(R)
Anton Y. Bykov, Tatiana V. Murzina, Maxim G. Rybin, and Elena D. Obratsova	

ARTICLES

Electronic structure and strongly correlated systems

Homogenization of waveguide-based metamaterials by energy averaging (<i>12 pages</i>)	125101
Kenneth J. Chau	
Cold bosons in the Landauer setup (<i>9 pages</i>)	125102
D. B. Gutman, Yuval Gefen, and A. D. Mirlin	
☞ Multiferroic tunnel junctions with poly(vinylidene fluoride) (<i>6 pages</i>)	125103
Julian P. Velev, Juan M. López-Encarnación, J. D. Burton, and Evgeny Y. Tsymbal	
Atomic forces at finite magnetic temperatures: Phonons in paramagnetic iron (<i>5 pages</i>)	125104
F. Körmann, A. Dick, B. Grabowski, T. Hickel, and J. Neugebauer	
Wave functions for fractional Chern insulators (<i>13 pages</i>)	125105
John McGreevy, Brian Swingle, and Ky-Anh Tran	
Exactly soluble model of resonant energy transfer between molecules (<i>8 pages</i>)	125106
C. King, B. Barbiellini, D. Moser, and V. Renugopalakrishnan	
Modal analysis method to describe weak nonlinear effects in metamaterials (<i>9 pages</i>)	125107
Y. Zeng, D. A. R. Dalvit, J. O'Hara, and S. A. Trugman	
Robust and disorder-immune magnetically tunable one-way waveguides in a gyromagnetic photonic crystal (<i>7 pages</i>)	125108
Jin Lian, Jin-Xin Fu, Lin Gan, and Zhi-Yuan Li	
TiO ₂ -SnO ₂ :F interfacial electronic structure investigated by soft x-ray absorption spectroscopy (<i>7 pages</i>)	125109
Coleman X. Kronawitter, Mukes Kapilashrami, Jonathan R. Bakke, Stacey F. Bent, Cheng-Hao Chuang, Way-Faung Pong, Jinghua Guo, Lionel Vayssieres, and Samuel S. Mao	
Electrical circuit model of arrays of resonant elements (<i>9 pages</i>)	125110
V. Lomanets, O. Zhuromskyy, G. Onishchukov, and U. Peschel	
Evolution of electronic structure upon Cu doping in the topological insulator Bi ₂ Se ₃ (<i>5 pages</i>)	125111
Y. Tanaka, K. Nakayama, S. Souma, T. Sato, N. Xu, P. Zhang, P. Richard, H. Ding, Y. Suzuki, P. Das, K. Kadowaki, and T. Takahashi	

(Continued)

Influence of acoustic phonons on the optical control of quantum dots driven by adiabatic rapid passage (<i>4 pages</i>)	121302(R)
S. Lüker, K. Gawarecki, D. E. Reiter, A. Grodecka-Grad, V. M. Axt, P. Machnikowski, and T. Kuhn	
Spin dephasing of fluorine-bound electrons in ZnSe (<i>5 pages</i>)	121303(R)
A. Greulich, A. Pawlis, F. Liu, O. A. Yugov, D. R. Yakovlev, K. Lischka, Y. Yamamoto, and M. Bayer	
Spin-polarized states of matter on the surface of a three-dimensional topological insulator with implanted magnetic atoms (<i>5 pages</i>)	121304(R)
S. Caprara, V. V. Tugushev, P. M. Echenique, and E. V. Chulkov	
Ballistic transport of (001) GaAs two-dimensional holes through a strain-induced lateral superlattice (<i>4 pages</i>)	121305(R)
D. Kamburov, H. Shapourian, M. Shayegan, L. N. Pfeiffer, K. W. West, K. W. Baldwin, and R. Winkler	
Magnetoplasmon resonance in a two-dimensional electron system driven into a zero-resistance state (<i>4 pages</i>)	121306(R)
A. T. Hatke, M. A. Zudov, J. D. Watson, and M. J. Manfra	
Fractional quantum Hall effect of two-dimensional electrons in high-mobility Si/SiGe field-effect transistors (<i>4 pages</i>)	121307(R)
T. M. Lu, W. Pan, D. C. Tsui, C.-H. Lee, and C. W. Liu	
Surface physics, nanoscale physics, low-dimensional systems	
Origin of nanomechanical motion in a single-C ₆₀ transistor (<i>4 pages</i>)	121401(R)
Ikutaro Hamada, Masaaki Araidai, and Masaru Tsukada	
Electronic and structural characterization of divacancies in irradiated graphene (<i>5 pages</i>)	121402(R)
Miguel M. Ugeda, Iván Brihuega, Fanny Hiebel, Pierre Mallet, Jean-Yves Veuillen, José M. Gómez-Rodríguez, and Félix Ynduráin	
Magnetophonon resonance in graphite: High-field Raman measurements and electron-phonon coupling contributions (<i>5 pages</i>)	121403(R)
Y. Kim, Y. Ma, A. Imambekov, N. G. Kalugin, A. Lombardo, A. C. Ferrari, J. Kono, and D. Smirnov	
Electron localization in epitaxial graphene on Ru(0001) determined by moiré corrugation (<i>5 pages</i>)	121404(R)
D. Stradi, S. Barja, C. Díaz, M. Garnica, B. Borca, J. J. Hinarejos, D. Sánchez-Portal, M. Alcamí, A. Arnau, A. L. Vázquez de Parga, R. Miranda, and F. Martín	
Failure of protection of Majorana based qubits against decoherence (<i>4 pages</i>)	121405(R)
Jan Carl Budich, Stefan Walter, and Björn Trauzettel	
Atomic control of strain in freestanding graphene (<i>5 pages</i>)	121406(R)
P. Xu, Yurong Yang, S. D. Barber, M. L. Ackerman, J. K. Schoelz, D. Qi, Igor A. Kornev, Lifeng Dong, L. Bellaiche, Salvador Barraza-Lopez, and P. M. Thibado	
Conductance quantization in graphene nanoconstrictions with mesoscopically smooth but atomically stepped boundaries (<i>5 pages</i>)	121407(R)
S. Ihnatsenka and G. Kirczenow	
Iterative summation of path integrals for nonequilibrium molecular quantum transport (<i>4 pages</i>)	121408(R)
R. Hützen, S. Weiss, M. Thorwart, and R. Egger	
Molecular adsorption on metal surfaces with van der Waals density functionals (<i>4 pages</i>)	121409(R)
Guo Li, Isaac Tamblyn, Valentino R. Cooper, Hong-Jun Gao, and Jeffrey B. Neaton	

(Continued)

RAPID COMMUNICATIONS

Electronic structure and strongly correlated systems

- Spectral properties of one-dimensional spiral spin density wave states (*5 pages*) 121101(R)
Dirk Schuricht
- Electron-hole pair condensation at the semimetal-semiconductor transition: A BCS-BEC crossover scenario (*5 pages*) 121102(R)
B. Zenker, D. Ihle, F. X. Bronold, and H. Fehske
- Strong potential impurities on the surface of a topological insulator (*4 pages*) 121103(R)
Annica M. Black-Schaffer and Alexander V. Balatsky
- Localization of electromagnetic fields in disordered metamaterials (*4 pages*) 121104(R)
S. Savo, N. Papasimakis, and N. I. Zheludev
- Magnetic instability on the surface of topological insulators (*4 pages*) 121105(R)
Yuval Baum and Ady Stern
- Strain-controlled band engineering and self-doping in ultrathin LaNiO₃ films (*4 pages*) 121106(R)
E. J. Moon, J. M. Rondinelli, N. Prasai, B. A. Gray, M. Kareev, J. Chakhalian, and J. L. Cohn

Semiconductors I: bulk

- LO-phonon-assisted polariton lasing in a ZnO-based microcavity (*5 pages*) 121201(R)
L. Orosz, F. Réveret, F. Médard, P. Disseix, J. Leymarie, M. Mihailovic, D. Solnyshkov, G. Malpuech, J. Zuniga-Pérez, F. Semond, M. Leroux, S. Bouchoule, X. Lafosse, M. Mexis, C. Brimont, and T. Guillet
- Efficient photon detection from color centers in a diamond optical waveguide (*4 pages*) 121202(R)
D. Le Sage, L. M. Pham, N. Bar-Gill, C. Belthangady, M. D. Lukin, A. Yacoby, and R. L. Walsworth
- Magneto-optical analysis of the effective *g* tensor and electron spin decoherence in the multivalley conduction band of bulk germanium (*5 pages*) 121203(R)
C. Hautmann and M. Betz

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

- Radiative coupling and weak lasing of exciton-polariton condensates (*5 pages*) 121301(R)
I. L. Aleiner, B. L. Altshuler, and Y. G. Rubo

