

Hartman effect and spin precession in graphene (<i>5 pages</i>)	245433
R. A. Sepkhanov, M. V. Medvedyeva, and C. W. J. Beenakker	
Electronic properties of the <i>n</i> -doped hydrogenated silicon (100) surface and dehydrogenated structures at 5 K (<i>6 pages</i>)	245434
Amandine Bellec, Damien Riedel, Gérald Dujardin, Ouarda Boudrioua, Laurent Chaput, Louise Stauffer, and Philippe Sonnet	
Plasmonics in graphene at infrared frequencies (<i>7 pages</i>)	245435
Marinko Jablan, Hrvoje Buljan, and Marin Soljačić	
Magnetism in strained graphene dots (<i>11 pages</i>)	245436
J. Viana-Gomes, Vitor M. Pereira, and N. M. R. Peres	
Piezoresistive response of epoxy composites with carbon nanoparticles under tensile load (<i>8 pages</i>)	245437
Malte H. G. Wichmann, Samuel T. Buschhorn, Jan Gehrmann, and Karl Schulte	
Surface energies of stoichiometric FePt and CoPt alloys and their implications for nanoparticle morphologies (<i>15 pages</i>)	245438
Antje Dannenberg, Markus E. Gruner, Alfred Hucht, and Peter Entel	
Quasiparticle interference on the surface of the topological insulator Bi ₂ Te ₃ (<i>5 pages</i>)	245439
Wei-Cheng Lee, Congjun Wu, Daniel P. Arovas, and Shou-Cheng Zhang	
Thermoelectric performance of granular semiconductors (<i>4 pages</i>)	245440
Andreas Glatz and I. S. Beloborodov	
Quantum wire junctions breaking time-reversal invariance (<i>10 pages</i>)	245441
Brando Bellazzini, Mihail Mintchev, and Paul Sorba	

ERRATA

Publisher's Note: Superelastic metal-insulator phase transition in single-crystal VO ₂ nanobeams [Phys. Rev. B 80 , 241105(R) (2009)] (<i>1 page</i>)	249901(E)
W. Fan, S. Huang, J. Cao, E. Ertekin, C. Barrett, D. R. Khanal, J. C. Grossman, and J. Wu	

Indexing of individual single-walled carbon nanotubes from Raman spectroscopy (8 pages)	245416
T. Michel, M. Paillet, D. Nakabayashi, M. Picher, V. Jourdain, J. C. Meyer, A. A. Zahab, and J.-L. Sauvajol	
Optical properties of zinc selenide clusters from first-principles calculations (9 pages)	245417
Sachin P. Nanavati, V. Sundararajan, Shailaja Mahamuni, Vijay Kumar, and S. V. Ghaisas	
Pokrovsky-Talapov model at finite temperature: A renormalization-group analysis (7 pages)	245418
A. Lazarides, O. Tieleman, and C. Morais Smith	
Spectral properties of Cs and Ba on Cu(111) at very low coverage: Two-photon photoemission spectroscopy and electronic structure theory (8 pages)	245419
S. Achilli, M. I. Trioni, E. V. Chulkov, P. M. Echenique, V. Sametoglu, N. Pontius, A. Winkelmann, A. Kubo, J. Zhao, and H. Petek	
Tunable ultrafast control of plasmonic coupling to gold films (8 pages)	245420
Nir Rotenberg, Jan N. Caspers, and Henry M. van Driel	
Molecular mechanics investigations of carbon nanotube and graphene sheet interaction (7 pages)	245421
Mahamadou Seydou, Sophie Marsaudon, Julien Buchoux, Jean Pierre Aimé, and Anne Marie Bonnot	
Hydrogenation of bilayer graphene and the formation of bilayer graphane from first principles (6 pages)	245422
O. Leenaerts, B. Partoens, and F. M. Peeters	
Lithium incorporation into a silica thin film: Scanning tunneling microscopy and density functional theory (8 pages)	245423
Jan Frederik Jerratsch, Niklas Nilius, Hans-Joachim Freund, Umberto Martinez, Livia Giordano, and Gianfranco Pacchioni	
Thermal van der Waals interaction between graphene layers (8 pages)	245424
G. Gómez-Santos	
Ring patterns in high-current field emission from carbon nanotubes (6 pages)	245425
Mickaël Marchand, Catherine Journet, Christophe Adessi, and Stephen T. Purcell	
Adsorbate-induced restructuring of Pb mesas grown on vicinal Si(111) in the quantum regime (6 pages)	245426
Alexander Ako Khajetoorians, Wenguang Zhu, Jisun Kim (김지선), Shengyong Qin, Holger Eisele, Zhenyu Zhang, and Chih-Kang Shih	
Polarization-induced renormalization of molecular levels at metallic and semiconducting surfaces (7 pages)	245427
J. M. Garcia-Lastra, C. Rostgaard, A. Rubio, and K. S. Thygesen	
Ultrafast vibrational motion of carbon nanotubes in different pH environments (5 pages)	245428
Kotaro Makino, Atsushi Hirano, Kentaro Shiraki, Yutaka Maeda, and Muneaki Hase	
Tomography of molecular nanographene double layers using scanning tunneling microscopy (4 pages)	245429
C. Seifert, D. Skuridina, X. Dou, K. Müllen, N. Severin, and J. P. Rabe	
Narrow depression in the density of states at the Dirac point in disordered graphene (6 pages)	245430
L. Schweitzer	
Time-dependent density-functional study of field emission from tipped carbon nanotubes (4 pages)	245431
J. A. Driscoll and K. Varga	
Transition from ballistic to diffusive behavior of graphene ribbons in the presence of warping and charged impurities (12 pages)	245432
J. W. Klos, A. A. Shylau, I. V. Zozoulenko, Hengyi Xu, and T. Heinzel	

(Continued)

Structural and optical properties of high quality zinc-blende/wurtzite GaAs nanowire heterostructures (9 pages)	245325
D. Spirkoska, J. Arbiol, A. Gustafsson, S. Conesa-Boj, F. Glas, I. Zardo, M. Heigoldt, M. H. Gass, A. L. Bleloch, S. Estrade, M. Kaniber, J. Rossler, F. Peiro, J. R. Morante, G. Abstreiter, L. Samuelson, and A. Fontcuberta i Morral	
Surface physics, nanoscale physics, low-dimensional systems	
Carrier heating in light-emitting quantum-dot heterostructures at low injection currents (7 pages)	245401
Janik Wolters, Matthias-René Dachner, Ermin Malić, Marten Richter, Ulrike Woggon, and Andreas Knorr	
Mapping the electronic structures of a metalloporphyrin molecule on Au(111) by scanning tunneling microscopy and spectroscopy (6 pages)	245402
Howon Kim, Won-joon Son, Won Jun Jang, Jong Keon Yoon, Seungwu Han, and Se-Jong Kahng	
Water adsorption on the α -Al ₂ O ₃ (0001) surface (6 pages)	245403
P. Thissen, G. Grundmeier, S. Wippermann, and W. G. Schmidt	
Single nitrogen dyad magnetoluminescence in GaAs (6 pages)	245404
S. Marcet, C. Ouellet-Plamondon, J. F. Klem, and S. Francoeur	
Perturbation theory for plasmonic eigenvalues (8 pages)	245405
Daniel Grieser, Hannes Uecker, Svend-Age Biehs, Oliver Huth, Felix Rüting, and Martin Holthaus	
Casimir interaction between a perfect conductor and graphene described by the Dirac model (5 pages)	245406
M. Bordag, I. V. Fialkovsky, D. M. Gitman, and D. V. Vassilevich	
Electronic structure and surface-mediated metastability of Bi films on Si(111)-7 $\times$ 7 studied by angle-resolved photoemission spectroscopy (5 pages)	245407
G. Bian, T. Miller, and T.-C. Chiang	
Magnetism and magnetotransport in disordered graphene (7 pages)	245408
T. G. Rappoport, Bruno Uchoa, and A. H. Castro Neto	
Lateral hopping of CO molecules on Pt(111) surface by femtosecond laser pulses (8 pages)	245409
M. Hayashi, Y. Ootsuka, M. Paulsson, B. N. J. Persson, and H. Ueba	
Dephasing rate formula in the many-body context (11 pages)	245410
Doron Cohen, Jan von Delft, Florian Marquardt, and Yoseph Imry	
 Graphene on Pt(111): Growth and substrate interaction (10 pages)	245411
Peter Sutter, Jerzy T. Sadowski, and Eli Sutter	
Vacancy formation on stepped Cu(100) accelerated with STM: Molecular dynamics and kinetic Monte Carlo simulations (7 pages)	245412
S. V. Kolesnikov, A. L. Klavysyuk, and A. M. Saletsky	
Controlling polarization twisting of light resulting from surface plasmon interactions with threefold symmetric nanostructures (5 pages)	245413
B. Ashall, B. Vohnsen, M. Berndt, and D. Zerulla	
Quantum pumping in graphene (5 pages)	245414
E. Prada, P. San-Jose, and H. Schomerus	
Slowing hot-carrier relaxation in graphene using a magnetic field (5 pages)	245415
P. Plochocka, P. Kossacki, A. Golnik, T. Kazimierczuk, C. Berger, W. A. de Heer, and M. Potemski	

(Continued)

Decoherence in quantum dots due to real and virtual transitions: A nonperturbative calculation (<i>8 pages</i>)	245310
Thomas Grange	
Propagation scheme for nonequilibrium dynamics of electron transport in nanoscale devices (<i>10 pages</i>)	245311
Alexander Croy and Ulf Saalmann	
Microscopic and macroscopic manifestations of percolation transitions in a semiconductor composite (<i>20 pages</i>)	245312
D. Azulay, O. Millo, E. Savir, J. P. Conde, and I. Balberg	
☞ Fluctuations of spin transport through chaotic quantum dots with spin-orbit coupling (<i>8 pages</i>)	245313
Jacob J. Krich	
Three- to two-dimensional transition in electrostatic screening of point charges at semiconductor surfaces studied by scanning tunneling microscopy (<i>8 pages</i>)	245314
A. Laubsch, K. Urban, and Ph. Ebert	
Analysis of current-voltage characteristics of Fe/MgO/GaAs junctions using self-consistent field modeling (<i>7 pages</i>)	245315
Y. J. Park, M. C. Hickey, M. J. Van Veenhuizen, J. Chang, D. Heiman, and J. S. Moodera	
Coherence of resonant-tunneling transport in terahertz quantum-cascade lasers (<i>14 pages</i>)	245316
Sushil Kumar and Qing Hu	
Theory of quasiparticle scattering in a two-dimensional system of helical Dirac fermions: Surface band structure of a three-dimensional topological insulator (<i>12 pages</i>)	245317
Xiaoting Zhou, Chen Fang, Wei-Feng Tsai, and JiangPing Hu	
Weak localization and mobility in ZnO nanostructures (<i>7 pages</i>)	245318
Edward M. Likovich, Kasey J. Russell, Eric W. Petersen, and Venkatesh Narayanamurti	
Optical cleaning owing to the bulk photovoltaic effect (<i>10 pages</i>)	245319
B. Sturman, M. Kösters, D. Haertle, C. Becher, and K. Buse	
Excitonic absorption in asymmetric double quantum wells in an intense terahertz field: Coulombic coupling and Stark effects (<i>16 pages</i>)	245320
J.-Z. Zhang and D. Allsopp	
Absence of ferromagnetic-transport signatures in epitaxial paramagnetic and superparamagnetic $\text{Zn}_{0.95}\text{Co}_{0.05}\text{O}$ films (<i>7 pages</i>)	245321
S. Ye, V. Ney, T. Kammermeier, K. Ollefs, S. Zhou, H. Schmidt, F. Wilhelm, A. Rogalev, and A. Ney	
Nanowires with surface disorder: Giant localization length and dynamical tunneling in the presence of directed chaos (<i>14 pages</i>)	245322
J. Feist, A. Bäcker, R. Ketzmerick, J. Burgdörfer, and S. Rotter	
Entanglement generation through an open quantum dot: Exact two-electron scattering state in the Anderson model (<i>8 pages</i>)	245323
Takashi Imamura, Akinori Nishino, and Naomichi Hatano	
Raman spectroscopy of wurtzite and zinc-blende GaAs nanowires: Polarization dependence, selection rules, and strain effects (<i>11 pages</i>)	245324
I. Zardo, S. Conesa-Boj, F. Peiro, J. R. Morante, J. Arbiol, E. Uccelli, G. Abstreiter, and A. Fontcuberta i Morral	

(Continued)

Near Kohn anomalies in the phonon dispersion relations of lead chalcogenides (7 pages)	245208
Ondrej Kilian, Guy Allan, and Ludger Wirtz	
Formation and structure of vacancy defects in silicon: Combined Metropolis Monte Carlo, tight-binding molecular dynamics, and density functional theory calculations (6 pages)	245209
Sangheon Lee, Robert J. Bondi, and Gyeong S. Hwang	
Multiband $k \cdot p$ models for strained zincblende crystals: Application to the fine structure of ZnO (9 pages)	245210
F. Michelini, N. Cavassilas, R. Hayn, and M. Szczap	
Molecular motion and mobility in an organic single crystal: Raman study and model (6 pages)	245211
Z. Q. Ren, L. E. McNeil, Shubin Liu, and C. Kloc	
Theory of doping properties of Ag acceptors in ZnO (8 pages)	245212
O. Volnianska, P. Boguslawski, J. Kaczowski, P. Jakubas, A. Jezierski, and E. Kaminska	
Four-wave-mixing theory for two-photon generation of excitons in Cu_2O (13 pages)	245213
I. V. Beloussov, J. B. Ketterson, and Y. Sun	
Variable range hopping in the Coulomb glass (7 pages)	245214
Ariel Amir, Yuval Oreg, and Yoseph Imry	
Fabrication of ZnO thin film transistors by atomic force microscopy nanolithography through zinc thin films (4 pages)	245215
Jeff T. H. Tsai, Ben H. B. Lee, and Ming S. Yang	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Intersubband cavity polaritons: The role of higher photonic modes (15 pages)	245301
M. Załuźny and W. Zietkowski	
Effect of As preadsorption on InAs nanowire heteroepitaxy on Si(111): A first-principles study (6 pages)	245302
Hiroaki Koga	
⚡ Ohmic contacts on silicon carbide: The first monolayer and its electronic effect (12 pages)	245303
Zhongchang Wang, Susumu Tsukimoto, Mitsuhiro Saito, Kazuhiro Ito, Masanori Murakami, and Yuichi Ikuhara	
Two mesoscopic models of two interacting electrons: Exact results (7 pages)	245304
Dibyendu Roy	
Quantitative analysis of density-dependent transport in tetramethyltetraselenafulvalene single-crystal transistors: Intrinsic properties and trapping (7 pages)	245305
H. Xie, H. Alves, and A. F. Morpurgo	
Magnetoresistance oscillations in multilayer systems: Triple quantum wells (9 pages)	245306
S. Wiedmann, N. C. Mamani, G. M. Gusev, O. E. Raichev, A. K. Bakarov, and J. C. Portal	
Magnetic-field-enhanced transient and stationary drift currents of oscillating Bloch electrons in superlattices and limits of average-particle description in relation to Monte Carlo simulations (10 pages)	245307
N. V. Demarina, E. Mohler, A. Lisauskas, and H. G. Roskos	
Full counting statistics of quantum point contacts with time-dependent transparency (12 pages)	245308
Jin Zhang, Y. Sherkunov, N. d'Ambrumenil, and B. Muzykantskii	
Atomistic simulation of CdTe solid-liquid coexistence equilibria (8 pages)	245309
Chuck Henager, Jr. and James R. Morris	

(Continued)

Zn-impurity effects on quasiparticle scattering in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ studied by angle-resolved photoemission spectroscopy (7 pages)	245113
T. Yoshida, Seiki Komiya, X. J. Zhou, K. Tanaka, A. Fujimori, Z. Hussain, Z.-X. Shen, Yoichi Ando, H. Eisaki, and S. Uchida	
Low-energy collective electronic excitations in Pd metal (7 pages)	245114
V. M. Silkin, I. P. Chernov, Yu. M. Koroteev, and E. V. Chulkov	
Mantle cloak: Invisibility induced by a surface (5 pages)	245115
Andrea Alù	
Approximating strongly correlated wave functions with correlator product states (8 pages)	245116
Hitesh J. Changlani, Jesse M. Kinder, C. J. Umrigar, and Garnet Kin-Lic Chan	
Localized surface-plasmon resonances and negative refractive index in nanostructured electromagnetic metamaterials (6 pages)	245117
J. Parsons, E. Hendry, J. R. Sambles, and W. L. Barnes	
Attractive Hubbard model on a honeycomb lattice: Quantum Monte Carlo study (10 pages)	245118
K. L. Lee (李健伦), K. Bouadim, G. G. Batrouni, F. Hébert, R. T. Scalettar, C. Miniatura, and B. Grémaud	
First-principles thermodynamic framework for the evaluation of thermochemical H_2O - or CO_2 -splitting materials (8 pages)	245119
B. Meredig and C. Wolverton	
Properties of constraint-based single-point approximate kinetic energy functionals (17 pages)	245120
V. V. Karasiev, R. S. Jones, S. B. Trickey, and Frank E. Harris	
Semiconductors I: bulk	
Resonant stimulated Brillouin scattering of orthoexcitons in Cu_2O (5 pages)	245201
Christian Sandfort, Jan Brandt, Dietmar Fröhlich, Giorgio Baldassarri Höger von Högersthal, Manfred Bayer, and Heinrich Stolz	
Photoluminescence study of the carbon antisite-vacancy pair in 4H- and 6H-SiC (14 pages)	245202
J. W. Steeds	
Properties of hydrogen and hydrogen–vacancy complexes in the rutile phase of titanium dioxide (8 pages)	245203
F. Filippone, G. Mattioli, P. Alippi, and A. Amore Bonapasta	
Stress-modulated optical spin injection in bulk Si and GaAs semiconductors (5 pages)	245204
J. L. Cabellos, Cuauhtémoc Salazar, and Bernardo S. Mendoza	
Ion-irradiation-induced selective bond rearrangements in amorphous GeTe thin films (6 pages)	245205
R. De Bastiani, E. Carria, S. Gibilisco, M. G. Grimaldi, A. R. Pennisi, A. Gotti, A. Pirovano, R. Bez, and E. Rimini	
Theory of near-gap second harmonic generation in centrosymmetric magnetic semiconductors: Europium chalcogenides (8 pages)	245206
A. B. Henriques, E. Abramof, and P. H. O. Rappl	
Spin-polarized transport current in <i>n</i> -type codoped ZnO thin films measured by Andreev spectroscopy (5 pages)	245207
Karen A. Yates, Anthony J. Behan, James R. Neal, David S. Score, Harry J. Blythe, Gillian A. Gehring, Steve M. Heald, Will R. Branford, and Lesley F. Cohen	

(Continued)

Quantum scattering time and its implications on scattering sources in graphene (<i>4 pages</i>)	241415(R)
X. Hong, K. Zou, and J. Zhu	
Anisotropic electron-phonon coupling on a two-dimensional circular Fermi contour (<i>4 pages</i>)	241416(R)
TeYu Chien, Emile D. L. Rienks, Maria Fuglsang Jensen, Philip Hofmann, and E. W. Plummer	
Optical phonon mixing in bilayer graphene with a broken inversion symmetry (<i>4 pages</i>)	241417(R)
Jun Yan, Theresa Villarsen, Erik A. Henriksen, Philip Kim, and Aron Pinczuk	

ARTICLES

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

Nonlocal permittivity from a quasistatic model for a class of wire media (<i>10 pages</i>)	245101
Stanislav I. Maslovski and Mário G. Silveirinha	
Momentum-sector-selective metal-insulator transition in the eight-site dynamical mean-field approximation to the Hubbard model in two dimensions (<i>13 pages</i>)	245102
Emanuel Gull, Olivier Parcollet, Philipp Werner, and Andrew J. Millis	
Electronic state and cage distortion in the room-temperature stable electride $[\text{Ca}_{24}\text{Al}_{28}\text{O}_{64}]^{4+}(\text{O}^{2-})_{2-x}(\text{e}^-)_{2x}$ as probed by ^{27}Al NMR (<i>5 pages</i>)	245103
K. Matsuda, Y. Konaka, Y. Maniwa, S. Matsuishi, and H. Hosono	
Quantum Monte Carlo calculation of the energy band and quasiparticle effective mass of the two-dimensional Fermi fluid (<i>8 pages</i>)	245104
N. D. Drummond and R. J. Needs	
Charge disproportionation in RNiO_3 perovskites (R =rare earth) from high-resolution x-ray absorption spectroscopy (<i>5 pages</i>)	245105
M. Medarde, C. Dallera, M. Grioni, B. Delley, F. Vernay, J. Mesot, M. Sikora, J. A. Alonso, and M. J. Martínez-Lope	
Magnetic spin resonance in CeB_6 (<i>8 pages</i>)	245106
S. V. Demishev, A. V. Semeno, A. V. Bogach, N. A. Samarin, T. V. Ishchenko, V. B. Filipov, N. Yu. Shitsevalova, and N. E. Sluchanko	
Transport statistics of interacting double dot systems: Coherent and non-Markovian effects (<i>21 pages</i>)	245107
Gernot Schaller, Gerold Kießlich, and Tobias Brandes	
Interplay of electronic correlations and lattice instabilities in BaVS_3 (<i>4 pages</i>)	245108
Kwang-Yong Choi, Dirk Wulferding, Helmuth Berger, and Peter Lemmens	
Magnetic phases of two-component ultracold bosons in an optical lattice (<i>6 pages</i>)	245109
A. Hubener, M. Snoek, and W. Hofstetter	
Dynamical mean-field theory for the Bose-Hubbard model (<i>11 pages</i>)	245110
Wen-Jun Hu and Ning-Hua Tong	
Ensemble interpretation of $\text{L(S)DA}+U$ (<i>11 pages</i>)	245111
Igor Chaplygin	
Van Hove singularities in the paramagnetic phase of the Hubbard model: DMFT study (<i>8 pages</i>)	245112
Rok Žitko, Janez Bonča, and Thomas Pruschke	

(Continued)

Temperature dependence of the crossover between the near-infrared Er and defect-related photoluminescence bands of Ge-rich Er-doped SiO ₂ layers (<i>4 pages</i>)	241313(R)
A. Kanjilal, L. Rebohle, S. Prucnal, M. Voelskow, W. Skorupa, and M. Helm	
☞ Cyclotron effect on coherent spin precession of two-dimensional electrons (<i>4 pages</i>)	241314(R)
M. Griesbeck, M. M. Glazov, T. Korn, E. Ya. Sherman, D. Waller, C. Reichl, D. Schuh, W. Wegscheider, and C. Schüller	
Surface physics, nanoscale physics, low-dimensional systems	
☞ Direct evidence of the step-edge buckling at the Au/Si(557)-1×2 surface (<i>4 pages</i>)	241401(R)
J.-H. Han, H. S. Kim, H. N. Hwang, B. Kim, S. Chung, J. W. Chung, and C. C. Hwang	
Dynamical response functions and collective modes of bilayer graphene (<i>4 pages</i>)	241402(R)
Giovanni Borghi, Marco Polini, Reza Asgari, and A. H. MacDonald	
Linear scaling between momentum and spin scattering in graphene (<i>4 pages</i>)	241403(R)
C. Józsa, T. Maassen, M. Popinciuc, P. J. Zomer, A. Veligura, H. T. Jonkman, and B. J. van Wees	
Signature of electronic excitations in the Raman spectrum of graphene (<i>4 pages</i>)	241404(R)
Oleksiy Kashuba and Vladimir I. Fal'ko	
Excited states of biological chromophores studied using many-body perturbation theory: Effects of resonant-antiresonant coupling and dynamical screening (<i>4 pages</i>)	241405(R)
Yuchen Ma, Michael Rohlfing, and Carla Molteni	
Electrical properties of the graphene/4H-SiC (0001) interface probed by scanning current spectroscopy (<i>4 pages</i>)	241406(R)
S. Sonde, F. Giannazzo, V. Raineri, R. Yakimova, J.-R. Huntzinger, A. Tiberj, and J. Camassel	
Three-fold diffraction symmetry in epitaxial graphene and the SiC substrate (<i>4 pages</i>)	241407(R)
D. A. Siegel, S. Y. Zhou, F. El Gabaly, A. K. Schmid, K. F. McCarty, and A. Lanzara	
Nanoscale spin structures dominated by magnetoelastic interactions around dislocation cores as seen via spin-polarized STM (<i>4 pages</i>)	241408(R)
Luis Berbil-Bautista, Stefan Krause, Matthias Bode, Antonio Badía-Majós, César de la Fuente, Roland Wiesendanger, and José Ignacio Arnaudás	
Giant spin rotation under quasiparticle-photoelectron conversion: Joint effect of sublattice interference and spin-orbit coupling (<i>4 pages</i>)	241409(R)
Ferdinand Kuemmeth and Emmanuel I. Rashba	
Shape-tunable electronic properties of monohydride and trihydride [112]-oriented Si nanowires (<i>4 pages</i>)	241410(R)
Abraham Hmiel and Yongqiang Xue	
Scaling of the quantum Hall plateau-plateau transition in graphene (<i>4 pages</i>)	241411(R)
A. J. M. Giesbers, U. Zeitler, L. A. Ponomarenko, R. Yang, K. S. Novoselov, A. K. Geim, and J. C. Maan	
☞ Breakdown of the $N=0$ quantum Hall state in graphene: Two insulating regimes (<i>4 pages</i>)	241412(R)
L. Zhang, J. Camacho, H. Cao, Y. P. Chen, M. Khodas, D. E. Kharzeev, A. M. Tsvelik, T. Valla, and I. A. Zaliznyak	
Emergence of local magnetic moments in doped graphene-related materials (<i>4 pages</i>)	241413(R)
P. Venezuela, R. B. Muniz, A. T. Costa, D. M. Edwards, S. R. Power, and M. S. Ferreira	
Observation of the Kohn anomaly near the K point of bilayer graphene (<i>4 pages</i>)	241414(R)
D. L. Mafra, L. M. Malard, S. K. Doorn, Han Htoon, J. Nilsson, A. H. Castro Neto, and M. A. Pimenta	

(Continued)