

ERRATA

Erratum: Q -dependent electronic excitations in osmium: Pressure- and temperature-induced effects [Phys. Rev. B 78 , 245106 (2008)] (<i>1 page</i>)	249901(E)
Yu. S. Ponosov, V. V. Struzhkin, A. F. Goncharov, and S. V. Streltsov	
Erratum: Quantum critical dynamics of an $S=\frac{1}{2}$ antiferromagnetic Heisenberg chain studied by ^{13}C NMR spectroscopy [Phys. Rev. B 80 , 045110 (2009)] (<i>1 page</i>)	249902(E)
H. Kühne, H.-H. Klauss, S. Grossjohann, W. Brenig, F. J. Litterst, A. P. Reyes, P. L. Kuhns, M. M. Turnbull, and C. P. Landee	
Erratum: Landau levels in bulk graphite by Raman spectroscopy [Phys. Rev. B 79 , 113105 (2009)] (<i>1 page</i>)	249903(E)
A. F. García-Flores, H. Terashita, E. Granado, and Y. Kopelevich	
Erratum: Adsorption and bonding mechanism of a N,N'-di(<i>n</i> -butyl)quinacridone monolayer studied by density functional theory including semiempirical dispersion corrections [Phys. Rev. B 78 , 165432 (2008)] (<i>2 pages</i>)	249904(E)
J.-H. Franke, V. Caciuc, L. F. Chi, and H. Fuchs	
Erratum: Microscopic and macroscopic manifestations of percolation transitions in a semiconductor composite [Phys. Rev. B 80 , 245312 (2009)] (<i>1 page</i>)	249905(E)
D. Azulay, O. Millo, E. Savir, J. P. Conde, and I. Balberg	



Controlling the dynamics of a coupled atom-cavity system by pure dephasing (<i>10 pages</i>)	245419
A. Auffèves, D. Gerace, J.-M. Gérard, M. França Santos, L. C. Andreani, and J.-P. Poizat	
Symmetry-induced band-gap opening in graphene superlattices (<i>8 pages</i>)	245420
Rocco Martinazzo, Simone Casolo, and Gian Franco Tantardini	
Comparison of the experimental data for the Casimir pressure with the Lifshitz theory at zero temperature (<i>11 pages</i>)	245421
B. Geyer, G. L. Klimchitskaya, and V. M. Mostepanenko	
Origin of ordered two-dimensional structure of Si(337)- 4×1 transformed from Si(5 5 12)- 2×1 (<i>8 pages</i>)	245422
Hidong Kim, Ganbat Duvjir, Otgonbayar Dugerjav, Huiting Li, and Jae M. Seo	
 Doping of few-layered graphene and carbon nanotubes using ion implantation (<i>11 pages</i>)	245423
U. Bangert, A. Bleloch, M. H. Gass, A. Seepujak, and J. van den Berg	
Shot noise in graphene with long-range Coulomb interaction and local Fermi distribution (<i>6 pages</i>)	245424
Anatoly Golub and Baruch Horovitz	
First-principles study of quantum size effects in ultrathin Pb-Bi metal alloy films (<i>9 pages</i>)	245425
Yu Jia, S. Y. Wang, W. G. Chen, Q. Sun, H. H. Weitering, and Zhenyu Zhang	
Carrier wave effect in nonresonant inelastic scanning tunneling spectroscopy of molecules with delocalized frontier orbitals (<i>13 pages</i>)	245426
Antti Korventausta, Jörg Meyer, and Jouko Nieminen	
Scanning tunneling microscopy contrast in lateral Ge-Si nanostructures on Si(111)- $\sqrt{3} \times \sqrt{3}$ -Bi (<i>10 pages</i>)	245427
Josef Mysliveček, Filip Dvořák, Anna Stróžeczka, and Bert Voigtländer	
Observation of magnetic edge state in graphene nanoribbons (<i>6 pages</i>)	245428
V. L. Joseph Joly, Manabu Kiguchi, Si-Jia Hao, Kazuyuki Takai, Toshiaki Enoki, Ryohei Sumii, Kenta Amemiya, Hiroyuki Muramatsu, Takuya Hayashi, Yoong Ahm Kim, Morinobu Endo, Jessica Campos-Delgado, Florentino López-Urías, Andrés Botello-Méndez, Humberto Terrones, Mauricio Terrones, and Mildred S. Dresselhaus	
Modeling nanoscale gas sensors under realistic conditions: Computational screening of metal-doped carbon nanotubes (<i>10 pages</i>)	245429
J. M. García-Lastra, D. J. Mowbray, K. S. Thygesen, A. Rubio, and K. W. Jacobsen	
Structural influence on the Rashba-type spin splitting in surface alloys (<i>7 pages</i>)	245430
Isabella Gierz, Benjamin Stadtmüller, Johannes Vuorinen, Matti Lindroos, Fabian Meier, J. Hugo Dil, Klaus Kern, and Christian R. Ast	
Smooth electron waveguides in graphene (<i>5 pages</i>)	245431
R. R. Hartmann, N. J. Robinson, and M. E. Portnoi	
Adsorption of CO on Ni ₃ Al(111) investigated using high-resolution photoemission spectroscopy and density functional theory (<i>10 pages</i>)	245432
I.-H. Svenum, Ø. Borck, L. E. Walle, K. Schulte, and A. Borg	
Inverse martensitic transformation in Zr nanowires (<i>5 pages</i>)	245433
Suzhi Li, Xiangdong Ding, Ju Li, Xiaobing Ren, Jun Sun, Evan Ma, and Turab Lookman	

(Continued)

 Site-specific electronic and geometric interface structure of Co-tetraphenyl-porphyrin layers on Ag(111) (14 pages)	245403
Willi Auwärter, Knud Seufert, Florian Klappenberger, Joachim Reichert, Alexander Weber-Bargioni, Alberto Verdini, Dean Cvetko, Martina Dell'Angela, Luca Floreano, Albano Cossaro, Gregor Bavdek, Alberto Morgante, Ari P. Seitsonen, and Johannes V. Barth	
Electron-phonon heat transfer in monolayer and bilayer graphene (9 pages)	245404
J. K. Viljas and T. T. Heikkilä	
Defect-controlled electronic transport in single, bilayer, and N-doped graphene: Theory (8 pages)	245405
K. Carva, B. Sanyal, J. Fransson, and O. Eriksson	
Dispersive resonance bands within the space-charge layer of a metal-semiconductor junction (5 pages)	245406
S.-J. Tang, Tay-Rong Chang, Chien-Chung Huang, Chang-Yeh Lee, Cheng-Maw Cheng, Ku-Ding Tsuei, H.-T. Jeng, and Chung-Yu Mou	
Dynamics of photoexcitation and stimulated optical emission in conjugated polymers: A multiscale quantum-chemistry and Maxwell-Bloch-equations approach (11 pages)	245407
Stefan Schumacher, Ian Galbraith, Arvydas Ruseckas, Graham A. Turnbull, and Ifor D. W. Samuel	
 Edge structure of epitaxial graphene islands (4 pages)	245408
Gregory M. Rutter, Nathan P. Guisinger, Jason N. Crain, Phillip N. First, and Joseph A. Stroscio	
Interference between bulk and boundary scattering in high quality films (10 pages)	245409
S. Chatterjee and A. E. Meyerovich	
Growth kinetics of epitaxial graphene on SiC substrates (4 pages)	245410
A. Drabińska, K. Grodecki, W. Strupiński, R. Bożek, K. P. Korona, A. Wyszomolek, R. Stępniewski, and J. M. Baranowski	
Transition to Landau levels in graphene quantum dots (9 pages)	245411
F. Libisch, S. Rotter, J. Güttinger, C. Stampfer, and J. Burgdörfer	
 Transport between twisted graphene layers (9 pages)	245412
R. Bistritzer and A. H. MacDonald	
Electronic structure of oxygen-terminated zigzag graphene nanoribbons: A hybrid density functional theory study (6 pages)	245413
Ashwin Ramasubramaniam	
Near-field heat transfer between a nanoparticle and a rough surface (12 pages)	245414
S.-A. Biehs and J.-J. Greffet	
Rate theory description of atomic stick-slip friction (6 pages)	245415
Danny Perez, Yalin Dong, Ashlie Martini, and Arthur F. Voter	
Temporally dynamic photopolymerization of C ₆₀ molecules encapsulated in single-walled carbon nanotubes (6 pages)	245416
Yuika Saito, Mitsuhiro Honda, Yoshikiyo Moriguchi, and Prabhat Verma	
Effect of disorder on longitudinal resistance of a graphene <i>p-n</i> junction in the quantum Hall regime (7 pages)	245417
Jiang-chai Chen, T. C. Au Yeung, and Qing-feng Sun	
Understanding why the thinnest SiN _x interface in transition-metal nitrides is stronger than the ideal bulk crystal (7 pages)	245418
R. F. Zhang, A. S. Argon, and S. Veprek	

(Continued)

Engineered spin-state transitions of two interacting electrons in semiconductor nanowire quantum dots (10 pages)	245311
Yan-Ting Chen, Shun-Jen Cheng, and Chi-Shung Tang	
Phonon-assisted relaxation and tunneling in self-assembled quantum dot molecules (12 pages)	245312
Krzysztof Gawarecki, Michał Pochwała, Anna Grodecka-Grad, and Paweł Machnikowski	
One-dimensional electronic states in Ga ₂ Se ₃ on Si(001):As (5 pages)	245313
T. C. Lovejoy, E. N. Yitamben, T. Ohta, S. C. Fain, Jr., F. S. Ohuchi, and M. A. Olmstead	
Approaching multichannel Kondo physics using correlated bosons: Quantum phases and how to realize them (8 pages)	245314
Siddhartha Lal, Sarang Gopalakrishnan, and Paul M. Goldbart	
☞ Optical initialization, readout, and dynamics of a Mn spin in a quantum dot (10 pages)	245315
C. Le Gall, R. S. Kolodka, C. L. Cao, H. Boukari, H. Mariette, J. Fernández-Rossier, and L. Besombes	
Aharonov-Bohm effect in many-electron quantum rings (6 pages)	245316
V. Kotimäki and E. Räsänen	
Surface reconstruction and magnesium incorporation on semipolar GaN(11̄01) surfaces (6 pages)	245317
Toru Akiyama, Daisuke Ammi, Kohji Nakamura, and Tomonori Ito	
Strain effects on the thermal conductivity of nanostructures (11 pages)	245318
Xiaobo Li, Kurt Maute, Martin L. Dunn, and Ronggui Yang	
☞ Thermopower of two-dimensional electrons at filling factors $\nu=3/2$ and $5/2$ (9 pages)	245319
W. E. Chickering, J. P. Eisenstein, L. N. Pfeiffer, and K. W. West	
Local order and hybridization effects for Mn ions probed by resonant soft x-ray spectroscopies: The Mn:CdTe(110) interface revisited (5 pages)	245320
L. Sangaletti, A. Verdini, S. Pagliara, G. Drera, L. Floreano, A. Goldoni, and A. Morgante	
Interplay between disorder-induced scattering and local field effects in photonic crystal waveguides (5 pages)	245321
M. Patterson and S. Hughes	
Simultaneous AFM and STM measurements on the Si(111)-(7×7) surface (9 pages)	245322
Yoshiaki Sugimoto, Yuuki Nakajima, Daisuke Sawada, Ken-ichi Morita, Masayuki Abe, and Seizo Morita	
Enhancement of the thermoelectric figure of merit in a quantum dot due to the Coulomb blockade effect (6 pages)	245323
Jie Liu, Qing-feng Sun, and X. C. Xie	
Optical fine structures of highly quantized InGaAs/GaAs self-assembled quantum dots (7 pages)	245324
H. Y. Ramirez, C. H. Lin, C. C. Chao, Y. Hsu, W. T. You, S. Y. Huang, Y. T. Chen, H. C. Tseng, W. H. Chang, S. D. Lin, and S. J. Cheng	
Surface physics, nanoscale physics, low-dimensional systems	
Tree-level electron-photon interactions in graphene (5 pages)	245401
Matthew Mecklenburg, Jason Woo, and B. C. Regan	
Generalized tight-binding transport model for graphene nanoribbon-based systems (6 pages)	245402
Y. Hancock, A. Uppstu, K. Saloritta, A. Harju, and M. J. Puska	

(Continued)

Theoretical intrinsic lifetime limit of shallow donor states in silicon (5 pages)	245212
Valeriy Tyuterev, Jelena Sjakste, and Nathalie Vast	
Germanium doping of wider-band-gap CuGaSe ₂ chalcopyrites: Local and electronic structure (8 pages)	245213
V. Koteski, S. Doka-Yamigno, J. Hofstetter, M. Rusu, H.-E. Mahnke, M. Ch. Lux-Steiner, Th. Schedel-Niedrig, and E. Arushanov	
☞ Thermal expansivity of Ge _{1-y} Sn _y alloys (6 pages)	245214
R. Roucka, Y.-Y. Fang, J. Kouvetakis, A. V. G. Chizmeshya, and J. Menéndez	
Ag and Cu doping and their effects on the thermoelectric properties of β -Zn ₄ Sb ₃ (10 pages)	245215
Mian Liu, Xiaoying Qin, Changsong Liu, Lin Pan, and Hongxing Xin	
Group-V impurities in SnO ₂ from first-principles calculations (7 pages)	245216
J. B. Varley, A. Janotti, and C. G. Van de Walle	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Density of states in a single PbSe/PbS core-shell quantum dot measured by scanning tunneling spectroscopy (7 pages)	245301
G. A. Grinbom, M. Saraf, C. Saguy, A. C. Bartnik, F. Wise, and E. Lifshitz	
Probing local electronic states in the quantum Hall regime with a side-coupled quantum dot (5 pages)	245302
Tomohiro Otsuka, Eisuke Abe, Yasuhiro Iye, and Shingo Katsumoto	
Double quantum dot photoluminescence mediated by incoherent reversible energy transport (13 pages)	245303
S. Yu. Kruchinin, A. V. Fedorov, A. V. Baranov, T. S. Perova, and K. Berwick	
Spin dynamics of excited trion states in a single InAs quantum dot (5 pages)	245304
Y. Igarashi, M. Shirane, Y. Ota, M. Nomura, N. Kumagai, S. Ohkouchi, A. Kiriara, S. Ishida, S. Iwamoto, S. Yoroza, and Y. Arakawa	
<i>Ab initio</i> and scanning tunneling microscopy study of an indium-terminated GaAs(100) surface: An indium-induced surface reconstruction change in the $c(8 \times 2)$ structure (9 pages)	245305
J. J. K. Lång, M. P. J. Punkkinen, P. Laukkanen, M. Kuzmin, V. Tuominen, M. Pessa, M. Guina, I. J. Värynen, K. Kokko, B. Johansson, and L. Vitos	
☞ Quantum coherence at low temperatures in mesoscopic systems: Effect of disorder (18 pages)	245306
Yasuhiro Niimi, Yannick Baines, Thibaut Capron, Dominique Mailly, Fang-Yuh Lo, Andreas D. Wieck, Tristan Meunier, Laurent Saminadayar, and Christopher Bäuerle	
High luminescence in small Si/SiO ₂ nanocrystals: A theoretical study (6 pages)	245307
Roberto Guerra and Stefano Ossicini	
Dynamics of optically induced nuclear spin polarization in individual InP/Ga _x In _{1-x} P quantum dots (11 pages)	245308
E. A. Chekhovich, M. N. Makhonin, J. Skiba-Szymanska, A. B. Krysa, V. D. Kulakovskii, M. S. Skolnick, and A. I. Tartakovskii	
Coherence and decoherence of a polariton condensate (6 pages)	245309
H. Haug, H. Thien Cao, and D. B. Tran Thoai	
Coherent level mixing in dot energy spectra measured by magnetoresonant tunneling spectroscopy of vertical quantum dot molecules (15 pages)	245310
C. Payette, S. Amaha, G. Yu, J. A. Gupta, D. G. Austing, S. V. Nair, B. Partoens, and S. Tarucha	

(Continued)

Abelian and non-Abelian quantum geometric tensor (5 pages)	245129
Yu-Quan Ma (马余全), Shu Chen (陈澍), Heng Fan (范桁), and Wu-Ming Liu (刘伍明)	
Collective spin mode in a multicomponent system of coupled itinerant and localized electrons (12 pages)	245130
Fan Yang, Su-Peng Kou, and Zheng-Yu Weng	
Classical analogue of the ionic Hubbard model (8 pages)	245131
M. Hafez, S. A. Jafari, Sh. Adibi, and F. Shahbazi	
Topological phase transitions driven by gauge fields in an exactly solvable model (5 pages)	245132
Ville Lahtinen and Jiannis K. Pachos	
Dynamical coherent-potential approximation approach to excitation spectra in 3d transition metals (13 pages)	245133
Y. Kakehashi, M. Atiqur R. Patoary, and T. Tamashiro	
Semiconductors I: bulk	
Measurement of triplet exciton diffusion in organic light-emitting diodes (11 pages)	245201
J. Wünsche, S. Reineke, B. Lüssem, and K. Leo	
Strain, magnetic anisotropy, and anisotropic magnetoresistance in (Ga,Mn)As on high-index substrates: Application to (113)A-oriented layers (11 pages)	245202
L. Dreher, D. Donhauser, J. Daeubler, M. Glunk, C. Rapp, W. Schoch, R. Sauer, and W. Limmer	
Ion-beam modification of the magnetic properties of Ga _{1-x} Mn _x As epilayers (9 pages)	245203
E. H. C. P. Sinnecker, G. M. Penello, T. G. Rappoport, M. M. Sant'Anna, D. E. R. Souza, M. P. Pires, J. K. Furdyna, and X. Liu	
Intrinsic point defects and complexes in the quaternary kesterite semiconductor Cu ₂ ZnSnS ₄ (10 pages)	245204
Shiyou Chen, Ji-Hui Yang, X. G. Gong, Aron Walsh, and Su-Huai Wei	
Mechanisms of electron polarization of shallow muonium in CdTe and CdS (9 pages)	245205
H. V. Alberto, A. Weidinger, R. C. Vilão, J. Piroto Duarte, J. M. Gil, J. S. Lord, and S. F. J. Cox	
Strain effects on the stability and structure of vacancy clusters in Si: A first-principles study (9 pages)	245206
Robert J. Bondi, Sangheon Lee, and Gyeong S. Hwang	
Femtosecond laser generation and detection of high-frequency acoustic phonons in GaAs semiconductors (14 pages)	245207
P. Babilotte, P. Ruello, D. Mounier, T. Pezeril, G. Vaudel, M. Edely, J-M. Breteau, V. Gusev, and K. Blary	
Terahertz response of acoustically driven optical phonons (6 pages)	245208
R. H. Poolman, E. A. Muljarov, and A. L. Ivanov	
☞ Antiferromagnetic topological insulators (10 pages)	245209
Roger S. K. Mong, Andrew M. Essin, and Joel E. Moore	
Ab initio description of heterostructural alloys: Thermodynamic and structural properties of Mg _x Zn _{1-x} O and Cd _x Zn _{1-x} O (15 pages)	245210
A. Schleife, M. Eisenacher, C. Rödl, F. Fuchs, J. Furthmüller, and F. Bechstedt	
Effects of pressure on atomic and electronic structure and crystallization dynamics of amorphous Ge ₂ Sb ₂ Te ₅ (5 pages)	245211
Jino Im, Eunae Cho, Dohyung Kim, Hideki Horii, Jisoon Ihm, and Seungwu Han	

(Continued)

Method for calculating the electronic structure of correlated materials from a truly first-principles LDA+ <i>U</i> scheme (5 pages)	245113
K. Karlsson, F. Aryasetiawan, and O. Jepsen	
☞ NaAlSi: Self-doped semimetallic superconductor with free electrons and covalent holes (8 pages)	245114
H. B. Rhee, S. Banerjee, E. R. Ylvisaker, and W. E. Pickett	
Cd doping effects in the heavy-fermion compounds Ce_2MIn_8 ($M=\text{Rh}$ and Ir) (9 pages)	245115
C. Adriano, C. Giles, E. M. Bittar, L. N. Coelho, F. de Bergevin, C. Mazzoli, L. Paolasini, W. Ratcliff, R. Bindel, J. W. Lynn, Z. Fisk, and P. G. Pagliuso	
Efficient method for the quantum Monte Carlo evaluation of the static density response function of a many-electron system (6 pages)	245116
R. Gaudoin and J. M. Pitarke	
Electron confinement, orbital ordering, and orbital moments in d^0 - d^1 oxide heterostructures (8 pages)	245117
Victor Pardo and Warren E. Pickett	
Final-state effects in high-resolution angle-resolved photoemission from Ni(110) (8 pages)	245118
X. Y. Cui, E. E. Krasovskii, V. N. Strocov, A. Hofmann, J. Schäfer, R. Claessen, and L. Patthey	
Electronic structure and thermoelectric properties: PbBi_2Te_4 and related intergrowth compounds (8 pages)	245119
Lijun Zhang and David J. Singh	
Quasiparticle self-consistent <i>GW</i> calculations for PbS, PbSe, and PbTe: Band structure and pressure coefficients (10 pages)	245120
A. Svane, N. E. Christensen, M. Cardona, A. N. Chantis, M. van Schilfgaarde, and T. Kotani	
Weak Mott insulators on the triangular lattice: Possibility of a gapless nematic quantum spin liquid (7 pages)	245121
Tarun Grover, N. Trivedi, T. Senthil, and Patrick A. Lee	
Conducting Jahn-Teller domain walls in undoped manganites (6 pages)	245122
Juan Salafranca, Rong Yu, and Elbio Dagotto	
Band gaps and electronic structure of alkaline-earth and post-transition-metal oxides (9 pages)	245123
J. A. McLeod, R. G. Wilks, N. A. Skorikov, L. D. Finkelstein, M. Abu-Samak, E. Z. Kurmaev, and A. Moewes	
☞ Calculations of electron energy loss and x-ray absorption spectra in periodic systems without a supercell (9 pages)	245124
K. Jorissen and J. J. Rehr	
Monopole current and unconventional Hall response on a topological insulator (5 pages)	245125
Jiadong Zang and Naoto Nagaosa	
Ground states and the critical behavior in the quasi-one-dimensional complexes $(\text{TMTTF})_2[(\text{AsF}_6)_x(\text{SbF}_6)_{1-x}]$ (6 pages)	245126
F. Iwase, K. Sugiura, K. Furukawa, and T. Nakamura	
Electronic structure of $\text{SrRu}_{1-x}\text{Mn}_x\text{O}_3$ studied by photoemission and x-ray absorption spectroscopy (5 pages)	245127
K. Horiba, H. Kawanaka, Y. Aiura, T. Saitoh, C. Satoh, Y. Kikuchi, M. Yokoyama, Y. Nishihara, R. Eguchi, Y. Senba, H. Ohashi, Y. Kitajima, and S. Shin	
Mode-balancing far-field control of light localization in nanoantennas (5 pages)	245128
Alexis Devilez, Brian Stout, and Nicolas Bonod	

(Continued)

Quantum impurity on the surface of a topological insulator (<i>4 pages</i>)	241414(R)
Rok Žitko	
Electron trapping in misfit dislocations of MgO thin films (<i>4 pages</i>)	241415(R)
Hadj-Mohamed Benia, Philipp Myrach, Anastasia Gonchar, Thomas Risse, Niklas Nilius, and Hans-Joachim Freund	
Particle-size dependent heats of adsorption of CO on supported Pd nanoparticles as measured with a single-crystal microcalorimeter (<i>4 pages</i>)	241416(R)
Jan-Henrik Fischer-Wolfarth, Jason A. Farmer, J. Manuel Flores-Camacho, Alexander Genest, Ilya V. Yudanov, Notker Rösch, Charles T. Campbell, Svetlana Schauermaun, and Hans-Joachim Freund	
☞ Quasifreestanding multilayer graphene films on the carbon face of SiC (<i>4 pages</i>)	241417(R)
D. A. Siegel, C. G. Hwang, A. V. Fedorov, and A. Lanzara	

ARTICLES

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

☞ Antiadiabatic limit of the exchange-correlation kernels of an inhomogeneous electron gas (<i>9 pages</i>)	245101
V. U. Nazarov, I. V. Tokatly, S. Pittalis, and G. Vignale	
Universal and nonuniversal renormalizations in Fermi liquids (<i>11 pages</i>)	245102
Andrey V. Chubukov and Dmitrii L. Maslov	
LSDA+ <i>U</i> method: A calculation of the <i>U</i> values at the Hartree-Fock level of approximation (<i>5 pages</i>)	245103
Antonios N. Andriotis, R. Michael Sheetz, and Madhu Menon	
Interplay of strongly correlated electrons and localized Ising moments in one dimension (<i>9 pages</i>)	245104
Chisa Hotta	
Projector augmented wave formulation of Hartree-Fock calculations of electronic structure (<i>14 pages</i>)	245105
Xiao Xu and N. A. W. Holzwarth	
Metal-insulator phase transition in an exactly solvable model of nondegenerate interacting fermion chains (<i>5 pages</i>)	245106
Igor N. Karnaukhov	
Imaginary-time formulation of steady-state nonequilibrium in quantum dot models (<i>16 pages</i>)	245107
J. E. Han	
Calculation of model Hamiltonian parameters for LaMnO ₃ using maximally localized Wannier functions (<i>16 pages</i>)	245108
Roman Kováčik and Claude Ederer	
Spin Hall angle versus spin diffusion length: Tailored by impurities (<i>5 pages</i>)	245109
Martin Gradhand, Dmitry V. Fedorov, Peter Zahn, and Ingrid Mertig	
Fermionic implementation of projected entangled pair states algorithm (<i>8 pages</i>)	245110
Iztok Pižorn and Frank Verstraete	
Optical integral and sum-rule violation in high- <i>T_c</i> superconductors (<i>14 pages</i>)	245111
Saurabh Maiti and Andrey V. Chubukov	
Comparison of transient grating signals from spheroidene in an organic solvent and in pigment-protein complexes from <i>Rhodobacter sphaeroides</i> 2.4.1 (<i>10 pages</i>)	245112
Mitsuru Sugisaki, Masazumi Fujiwara, Daisuke Kosumi, Ritsuko Fujii, Mamoru Nango, Richard J. Cogdell, and Hideki Hashimoto	

(Continued)