

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 4

JANUARY 2017-15(II)

Metastable phase of lead phthalocyanine films on graphite: Correlation between geometrical and electronic structures (7 pages)	045419
N. Kawakita, T. Yamada, M. Meissner, R. Forker, T. Fritz, and T. Munakata	
Quantum charge pumping through resonant crossed Andreev reflection in a superconducting hybrid junction of silicene (10 pages)	045420
Ganesh C. Paul and Arijit Saha	
Anisotropic decoherence in quantum wells with arbitrary magnetic fields: Interplay of the spin-orbit coupling terms (10 pages)	045421
M. Prada and D. Pfannkuche	
Thermoelectric transport in monolayer phosphorene (9 pages)	045422
Moslem Zare, Babak Zare Rameshti, Farnood G. Ghamsari, and Reza Asgari	
Elastic properties and mechanical tension of graphene (6 pages)	045423
R. Ramírez and C. P. Herrero	
Topological phase transition from trigonal warping in van der Waals multilayers (5 pages)	045424
Junjie Zeng, Yafei Ren, Kunhua Zhang, and Zhenhua Qiao	
Gap engineering in strained fold-like armchair graphene nanoribbons (7 pages)	045425
V. Torres, C. León, D. Faria, and A. Latgé	
Quasiparticle decay in a one-dimensional Bose-Fermi mixture (12 pages)	045426
Benjamin Reichert, Aleksandra Petković, and Zoran Ristivojevic	
Competition of the Coulomb and hopping-based exchange interactions in granular magnets (12 pages)	045427
O. G. Udalov and I. S. Beloborodov	
Universal self-amplification channel for surface plasma waves (10 pages)	045428
Hai-Yao Deng, Katsunori Wakabayashi, and Chi-Hang Lam	
Majorana quasiparticles of an inhomogeneous Rashba chain (14 pages)	045429
Maciej M. Maška, Anna Gorczyca-Goraj, Jakub Tworzydło, and Tadeusz Domański	
 Analytical solutions of the two-dimensional Dirac equation for a topological channel intersection (13 pages)	045430
J. R. Anglin and A. Schulz	
Effects of long-range disorder and electronic interactions on the optical properties of graphene quantum dots (7 pages)	045431
A. Altıntaş, K. E. Çakmak, and A. D. Güçlü	

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 4

JANUARY 2017-15(II)

Experimental observation of structural phase transition in CsBr clusters (8 pages)	045402
L. Hautala, K. Jänkälä, T. Löytynoja, M.-H. Mikkilä, N. Prisle, M. Tchaplyguine, and M. Huttula	
A minimal discrete model for toroidal moments and its experimental realization (8 pages)	045403
Hong Xiang, Lixin Ge, Liang Liu, Tianshu Jiang, Z. Q. Zhang, C. T. Chan, and Dezhuan Han	
Stability and electronic properties of two-dimensional indium iodide (7 pages)	045404
Jizhang Wang, Baojuan Dong, Huaihong Guo, Teng Yang, Zhen Zhu, Gan Hu, Riichiro Saito, and Zhidong Zhang	
Amplified-reflection plasmon instabilities in grating-gate plasmonic crystals (9 pages)	045405
Aleksandr S. Petrov, Dmitry Svintsov, Victor Ryzhii, and Michael S. Shur	
Stochastic Faraday rotation induced by the electric current fluctuations in nanosystems (9 pages)	045406
D. S. Smirnov and M. M. Glazov	
Principles and simulations of high-resolution STM imaging with a flexible tip apex (9 pages)	045407
Ondrej Krejčí, Prokop Hapala, Martin Ondráček, and Pavel Jelínek	
Effective g factor in black phosphorus thin films (8 pages)	045408
Xiaoying Zhou, Wen-Kai Lou, Dong Zhang, Fang Cheng, Guanghui Zhou, and Kai Chang	
Exciton states in a circular graphene quantum dot: Magnetic field induced intravalley to intervalley transition (9 pages)	045409
L. L. Li, M. Zarenia, W. Xu, H. M. Dong, and F. M. Peeters	
Broken symmetry states in bilayer graphene in electric and in-plane magnetic fields (17 pages)	045410
Junji Jia, P. K. Pyatkovskiy, E. V. Gorbar, and V. P. Gusynin	
Order, disorder, and tunable gaps in the spectrum of Andreev bound states in a multiterminal superconducting device (20 pages)	045411
Tomohiro Yokoyama, Johannes Reutlinger, Wolfgang Belzig, and Yuli V. Nazarov	
Mesoscopic fluctuations in biharmonically driven flux qubits (9 pages)	045412
Alejandro Ferrón, Daniel Domínguez, and María José Sánchez	
Spin-orbit coupling in quasi-one-dimensional Wigner crystals (9 pages)	045413
Viktoriia Kornich, Christopher J. Pedder, and Thomas L. Schmidt	
Quantum and tunneling capacitance in charge and spin qubits (8 pages)	045414
R. Mizuta, R. M. Otxoa, A. C. Betz, and M. F. Gonzalez-Zalba	
Relaxation of charge in monolayer graphene: Fast nonlinear diffusion versus Coulomb effects (5 pages)	045415
Eugene B. Kolomeisky and Joseph P. Straley	
Spatially indirect exciton condensate phases in double bilayer graphene (14 pages)	045416
Jung-Jung Su and Allan H. MacDonald	
Microwave spectroscopic observation of a Wigner solid within the $\nu = 1/2$ fractional quantum Hall effect (5 pages)	045417
A. T. Hatke, Yang Liu, L. W. Engel, L. N. Pfeiffer, K. W. West, K. W. Baldwin, and M. Shayegan	
Substrate-induced reduction of graphene thermal conductivity (12 pages)	045418
S. V. Koniakhin, O. I. Utesov, I. N. Terterov, and A. V. Nalitov	

(Continued)

Dissimilar anisotropy of electron versus hole bulk transport in anatase TiO ₂ : Implications for photocatalysis (6 pages)	045209
Donghun Kim, Byung Chul Yeo, Dongbin Shin, Heechae Choi, Seungchul Kim, Noejung Park, and Sang Soo Han	

Scattering of carriers by coupled plasmon-phonon modes in bulk polar semiconductors and polar semiconductor heterostructures (29 pages)	045210
Anna Hauber and Stephen Fahy	

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

Gate-voltage-induced switching of the Rashba spin-orbit interaction in a composition-adjusted quantum well (5 pages)	045301
Hiroshi Akera, Hidekatsu Suzuura, and Yoshiyuki Egami	

Two-dimensional lateral GaN/SiC heterostructures: First-principles studies of electronic and magnetic properties (9 pages)	045302
Guo-Xiang Chen, Xiang-Guo Li, Yun-Peng Wang, James N. Fry, and Hai-Ping Cheng	

Interlayer transport through a graphene/rotated boron nitride/graphene heterostructure (9 pages)	045303
Supeng Ge, K. M. Masum Habib, Amrit De, Yafis Barlas, Darshana Wickramaratne, Mahesh R. Neupane, and Roger K. Lake	

Imaging snake orbits at graphene <i>n-p</i> junctions (8 pages)	045304
K. Kolasinski, A. Mreńca-Kolasinska, and B. Szafran	

Population dynamics and dephasing of excitons and electron-hole pairs in polytype wurtzite/zinc-blende InP nanowires (17 pages)	045305
H. P. Wagner, M. Kaveh, Q. Gao, H. Tan, C. Jagadish, and W. Langbein	

Nonrenewal statistics in transport through quantum dots (14 pages)	045306
Krzysztof Ptasiński	

Ultrafast dynamics of indirect exchange interaction and transient spin current generation in a two-dimensional electron gas (7 pages)	045307
V. A. Stephanovich, V. K. Dugaev, V. I. Litvinov, and J. Berakdar	

Influence of rhombohedral stacking order in the electrical resistance of bulk and mesoscopic graphite (11 pages)	045308
M. Zoraghi, J. Barzola-Quiquia, M. Stiller, A. Setzer, P. Esquinazi, G. H. Kloess, T. Muenster, T. Lühmann, and I. Estrela-Lopis	

Exactly soluble model of boundary degeneracy (7 pages)	045309
Sriram Ganeshan, Alexey V. Gorshkov, Victor Gurarie, and Victor M. Galitski	

Tunable Se vacancy defects and the unconventional charge density wave in 1T-TiSe _{2-δ} (6 pages)	045310
S. H. Huang, G. J. Shu, Woei Wu Pai, H. L. Liu, and F. C. Chou	

Surface physics, nanoscale physics, low-dimensional systems

Three-boson bound states in two dimensions (13 pages)	045401
Tianhao Ren and Igor Aleiner	

(Continued)

Low-energy dynamical response of an Anderson insulator with local attraction (<i>6 pages</i>)	045147
D. A. Ivanov and M. V. Feigel'man	
Entanglement entropy of large- N Wilson-Fisher conformal field theory (<i>9 pages</i>)	045148
Seth Whitsitt, William Witczak-Krempa, and Subir Sachdev	
Nonlocal extensions of the electromagnetic response of plasmonic and metamaterial structures (<i>6 pages</i>)	045149
Alexander J. Shvonski, Jiantao Kong, and Krzysztof Kempa	
Coulomb drag between helical Luttinger liquids (<i>20 pages</i>)	045150
N. Kainaris, I. V. Gornyi, A. Levchenko, and D. G. Polyakov	
Effects of defects and dephasing on charge and spin currents in two-dimensional topological insulators (<i>20 pages</i>)	045151
John S. Van Dyke and Dirk K. Morr	
Filling-dependent doublon dynamics in the one-dimensional Hubbard model (<i>10 pages</i>)	045152
Roman Rausch and Michael Potthoff	
Semiconductors I: bulk	
BiTeCl and BiTeBr: A comparative high-pressure optical study (<i>5 pages</i>)	045201
I. Crassee, F. Borondics, M. K. Tran, G. Autès, A. Magrez, P. Bugnon, H. Berger, J. Teyssier, O. V. Yazyev, M. Orlita, and A. Akrap	
Lattice thermal conductivity of $\text{Ti}_x\text{Zr}_y\text{Hf}_{1-x-y}\text{NiSn}$ half-Heusler alloys calculated from first principles: Key role of nature of phonon modes (<i>9 pages</i>)	045202
Simen N. H. Eliassen, Ankita Katre, Georg K. H. Madsen, Clas Persson, Ole Martin Løvvik, and Kristian Berland	
Magnetic, optical, and electron transport properties of n -type CeO_2 : Small polarons versus Anderson localization (<i>9 pages</i>)	045203
Taras Kolodiaznyi, Thitirat Charoonsuk, Yu-Seong Seo, Suyong Chang, Naratip Vittayakorn, and Jungseek Hwang	
Influence of nonmagnetic impurity scattering on spin dynamics in diluted magnetic semiconductors (<i>15 pages</i>)	045204
M. Cygorek, F. Ungar, P. I. Tamborenea, and V. M. Axt	
Photoinduced giant magnetic polarons in EuTe (<i>6 pages</i>)	045205
A. B. Henriques, A. R. Naupa, P. A. Usachev, V. V. Pavlov, P. H. O. Rappl, and E. Abramof	
Electron spin coherence of silicon vacancies in proton-irradiated $4H$ -SiC (<i>8 pages</i>)	045206
J. S. Embley, J. S. Colton, K. G. Miller, M. A. Morris, M. Meehan, S. L. Crossen, B. D. Weaver, E. R. Glaser, and S. G. Carter	
Overtone of interlayer shear modes in the phonon-assisted emission spectrum of hexagonal boron nitride (<i>7 pages</i>)	045207
T. Q. P. Vuong, G. Cassaboïs, P. Valvin, V. Jacques, R. Cuscó, L. Artús, and B. Gil	
Energy-dependent relaxation time in quaternary amorphous oxide semiconductors probed by gated Hall effect measurements (<i>7 pages</i>)	045208
Josephine Socratous, Shun Watanabe, Kulbinder K. Banger, Christopher N. Warwick, Rita Branquinho, Pedro Barquinha, Rodrigo Martins, Elvira Fortunato, and Henning Sirringhaus	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 4

JANUARY 2017-15(II)

Dual-fermion approach to the Anderson-Hubbard model (15 pages)	045130
P. Haase, S.-X. Yang, T. Pruschke, J. Moreno, and M. Jarrell	
Magnetic order-disorder transitions on a one-third-depleted square lattice (6 pages)	045131
H.-M. Guo, T. Mendes-Santos, W. E. Pickett, and R. T. Scalettar	
Formation of spin droplet at $\nu = \frac{5}{2}$ in an asymmetric quantum dot under quantum Hall conditions (8 pages)	045132
H. Atci and A. Siddiki	
Electron interactions, spin-orbit coupling, and intersite correlations in pyrochlore iridates (9 pages)	045133
Runzhi Wang, Ara Go, and Andrew J. Millis	
Exchange couplings for Mn ions in CdTe: Validity of spin models for dilute magnetic II-VI semiconductors (10 pages)	045134
Thorben Linneweber, Jörg Bünnemann, Ute Löw, Florian Gebhard, and Frithjof Anders	
Phase coexistence and pressure-temperature phase evolution of VO ₂ (A) nanorods near the semiconductor-semiconductor transition (8 pages)	045135
Sudeshna Samanta, Quanjun Li, Benyuan Cheng, Yanwei Huang, Cuiying Pei, Qinglin Wang, Yanzhang Ma, and Lin Wang	
Topological nodal line semimetals in the CaP ₃ family of materials (8 pages)	045136
Qiunan Xu, Rui Yu, Zhong Fang, Xi Dai, and Hongming Weng	
Robust multiscale field-only formulation of electromagnetic scattering (15 pages)	045137
Qiang Sun, Evert Klaseboer, and Derek Y. C. Chan	
Image-potential-induced spin-orbit interaction in one-dimensional electron systems (6 pages)	045138
Yasha Gindikin and Vladimir A. Sablikov	
Tilted disordered Weyl semimetals (8 pages)	045139
Maximilian Trescher, Björn Sbierski, Piet W. Brouwer, and Emil J. Bergholtz	
Unified explanation of chemical ordering, the Slater-Pauling rule, and half-metallicity in full Heusler compounds (10 pages)	045140
Sergey V. Faleev, Yari Ferrante, Jaewoo Jeong, Mahesh G. Samant, Barbara Jones, and Stuart S. P. Parkin	
Compositional phase stability of strongly correlated electron materials within DFT+ <i>U</i> (18 pages)	045141
Eric B. Isaacs and Chris A. Marianetti	
Diagonal magnetoelectric susceptibility and effect of Fe doping in the polar ferrimagnet Mn ₂ Mo ₃ O ₈ (9 pages)	045142
T. Kurumaji, S. Ishiwata, and Y. Tokura	
Kondo temperature when the Fermi level is near a step in the conduction density of states (9 pages)	045143
J. Fernández, A. A. Aligia, P. Roura-Bas, and J. A. Andrade	
Many-body computations by stochastic sampling in Hartree-Fock-Bogoliubov space (10 pages)	045144
Hao Shi and Shiwei Zhang	
Continuous matrix product states with periodic boundary conditions and an application to atomtronics (14 pages)	045145
Damian Draxler, Jutho Haegeman, Frank Verstraete, and Matteo Rizzi	
Longitudinal optical and spin Hall conductivities of Rashba conducting strips coupled to ferromagnetic and antiferromagnetic layers (11 pages)	045146
José A. Riera	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 4

JANUARY 2017-15(II)

Quantum many-body intermetallics: Phase stability of Fe_3Al and small-gap formation in Fe_2VAl (8 pages)	045114
Oleg Kristanovski, Raphael Richter, Igor Krivenko, Alexander I. Lichtenstein, and Frank Lechermann	
Pure odd-frequency superconductivity at the cores of proximity vortices (6 pages)	045115
Mohammad Alidoust, Alexander Zyuzin, and Klaus Halterman	
Probing the semiconductor to semimetal transition in InAs/GaSb double quantum wells by magneto-infrared spectroscopy (6 pages)	045116
Y. Jiang, S. Thapa, G. D. Sanders, C. J. Stanton, Q. Zhang, J. Kono, W. K. Lou, K. Chang, S. D. Hawkins, J. F. Klem, W. Pan, D. Smirnov, and Z. Jiang	
Algorithms for tensor network renormalization (19 pages)	045117
G. Evenbly	
Particle-vortex symmetric liquid (11 pages)	045118
Michael Mulligan	
Single-electron gap in the spectrum of twisted bilayer graphene (11 pages)	045119
A. V. Rozhkov, A. O. Sboychakov, A. L. Rakhmanov, and Franco Nori	
Many-body theory of magnetoelasticity in one dimension (15 pages)	045120
O. Tsyplatyev, P. Kopietz, Y. Tsui, B. Wolf, P. T. Cong, N. van Well, F. Ritter, C. Krellner, W. Aßmus, and M. Lang	
Many-body localization in infinite chains (9 pages)	045121
T. Enss, F. Andraschko, and J. Sirker	
Weak-coupling analysis of quasiparticle excitations in Sr_2RuO_4 along the Γ - M cut (6 pages)	045122
J. J. Deisz and T. E. Kidd	
Ambipolar surface state transport in nonmetallic stoichiometric Bi_2Se_3 crystals (6 pages)	045123
Paul Syers and Johnpierre Paglione	
Configurable Dirac-like conical dispersions in complex photonic crystals (4 pages)	045124
Changqing Xu and Yun Lai	
Spinon and bound-state excitation light cones in Heisenberg XXZ chains (9 pages)	045125
A. L. de Paula, Jr., H. Bragança, R. G. Pereira, R. C. Drumond, and M. C. O. Aguiar	
Fast and accurate approximate quasiparticle band structure calculations of ZnO, CdO, and MgO polymorphs (12 pages)	045126
C. A. Ataide, R. R. Pelá, M. Marques, L. K. Teles, J. Furthmüller, and F. Bechstedt	
Reduction of $\mathbb{Z}$ classification of a two-dimensional weak topological insulator: Real-space dynamical mean-field theory study (7 pages)	045127
Tsuneya Yoshida and Norio Kawakami	
Quasi-two-dimensional massless Dirac fermions in CaMnSb_2 (4 pages)	045128
J. B. He, Y. Fu, L. X. Zhao, H. Liang, D. Chen, Y. M. Leng, X. M. Wang, J. Li, S. Zhang, M. Q. Xue, C. H. Li, P. Zhang, Z. A. Ren, and G. F. Chen	
Electronic excitations in γ - Li_2IrO_3 (10 pages)	045129
Ying Li, Stephen M. Winter, Harald O. Jeschke, and Roser Valentí	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 4

JANUARY 2017-15(II)

Hall field-induced resistance oscillations in MgZnO/ZnO heterostructures (<i>4 pages</i>)	041411(R)
Q. Shi, M. A. Zudov, J. Falson, Y. Kozuka, A. Tsukazaki, M. Kawasaki, K. von Klitzing, and J. Smet	
Pentagons in the Si(331)-(12 × 1) surface reconstruction (<i>5 pages</i>)	041412(R)
Ruslan Zhachuk and Sergey Teys	

ARTICLES

Electronic structure and strongly correlated systems

Formation and condensation of excitonic bound states in the generalized Falicov-Kimball model (<i>6 pages</i>)	045101
Pavol Farkašovský	
Floquet engineering of Haldane Chern insulators and chiral bosonic phase transitions (<i>24 pages</i>)	045102
Kirill Plekhanov, Guillaume Roux, and Karyn Le Hur	
Cluster size convergence of the density matrix embedding theory and its dynamical cluster formulation: A study with an auxiliary-field quantum Monte Carlo solver (<i>13 pages</i>)	045103
Bo-Xiao Zheng, Joshua S. Kretchmer, Hao Shi, Shiwei Zhang, and Garnet Kin-Lic Chan	
Josephson-phase-controlled interplay between correlation effects and electron pairing in a three-terminal nanostructure (<i>11 pages</i>)	045104
T. Domański, M. Žonda, V. Pokorný, G. Górski, V. Janiš, and T. Novotný	
Spin fluctuations in Sr _{1.6} Ba _{0.4} RuO ₄ : An inelastic neutron scattering study with polarization analysis (<i>5 pages</i>) . . .	045105
Z. W. Li, H. Guo, C.-F. Liu, F. Bourdarot, W. Schmidt, M. Skoulatos, and A. C. Komarek	
Efficient method for calculating spatially extended electronic states of large systems with a divide-and-conquer approach (<i>8 pages</i>)	045106
Shunsuke Yamada, Fuyuki Shimojo, Ryosuke Akashi, and Shinji Tsuneyuki	
Disorder effects in InAs/GaSb topological insulator candidates (<i>6 pages</i>)	045107
Camille Ndebeka-Bandou and Jérôme Faist	
Thermodynamically consistent description of criticality in models of correlated electrons (<i>14 pages</i>)	045108
Václav Janiš, Anna Kauch, and Vladislav Pokorný	
Metal-insulator transition in disordered systems from the one-body density matrix (<i>6 pages</i>)	045109
Thomas Olsen, Raffaele Resta, and Ivo Souza	
FeCr ₂ O ₄ spinel to near megabar pressures: Orbital moment collapse and site-inversion facilitated spin crossover (<i>9 pages</i>)	045110
W. M. Xu, G. R. Hearne, S. Layek, D. Levy, J.-P. Itié, M. P. Pasternak, G. Kh. Rozenberg, and E. Greenberg	
Symmetry-protected topological entanglement (<i>20 pages</i>)	045111
Iman Marvian	
Kitaev honeycomb tensor networks: Exact unitary circuits and applications (<i>22 pages</i>)	045112
Philipp Schmoll and Román Orús	
Quantum anomalous Hall effect in ferromagnetic transition metal halides (<i>7 pages</i>)	045113
Chengxi Huang, Jian Zhou, Haiping Wu, Kaiming Deng, Puru Jena, and Erjun Kan	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 4

JANUARY 2017-15(II)

Self-energies in itinerant magnets: A focus on Fe and Ni (5 pages)	041112(R)
Lorenzo Sponza, Paolo Pisanti, Alena Vishina, Dimitar Pashov, Cedric Weber, Mark van Schilfgaarde, Swagata Acharya, Julien Vidal, and Gabriel Kotliar	

Semiconductors I: bulk

Quantum oscillations without magnetic field (5 pages)	041201(R)
Tianyu Liu, D. I. Pikulin, and M. Franz	

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

Resistivity of the insulating phase approaching the two-dimensional metal-insulator transition: The effect of spin polarization (4 pages)	041301(R)
Shiqi Li and M. P. Sarachik	
Intrinsic origin of electron scattering at the 4H-SiC(0001)/SiO ₂ interface (6 pages)	041302(R)
Shigeru Iwase, Christopher James Kirkham, and Tomoya Ono	

Surface physics, nanoscale physics, low-dimensional systems

Scattering from spin-polarized charged impurities in graphene (5 pages)	041401(R)
Ville Vierimaa, Zheyong Fan, and Ari Harju	
Enhanced photoelectric detection of NV magnetic resonances in diamond under dual-beam excitation (5 pages)	041402(R)
E. Bourgeois, E. Londero, K. Buczak, J. Hruby, M. Gulka, Y. Balasubramaniam, G. Wachter, J. Stursa, K. Dobes, F. Aumayr, M. Trupke, A. Gali, and M. Nesladek	
Fine structure of high-power microwave-induced resistance oscillations (5 pages)	041403(R)
Q. Shi, M. A. Zudov, I. A. Dmitriev, K. W. Baldwin, L. N. Pfeiffer, and K. W. West	
Spin and valley control of free carriers in single-layer WS ₂ (5 pages)	041405(R)
Søren Ulstrup, Antonija Grubišić Čabo, Deepnarayan Biswas, Jonathon M. Riley, Maciej Dendzik, Charlotte E. Sanders, Marco Bianchi, Cephise Cacho, Dan Matselyukh, Richard T. Chapman, Emma Springate, Phil D. C. King, Jill A. Miwa, and Philip Hofmann	
Effect of flexural phonons on the hole states in single-layer black phosphorus (4 pages)	041406(R)
S. Brenner, A. N. Rudenko, and M. I. Katsnelson	
Fano resonance in a cavity-reflector hybrid system (6 pages)	041407(R)
Chengyu Yan, Sanjeev Kumar, Michael Pepper, Patrick See, Ian Farrer, David Ritchie, Jonathan Griffiths, and Geraint Jones	
Persistence of a surface state arc in the topologically trivial phase of MoTe ₂ (5 pages)	041408(R)
A. Crepaldi, G. Autès, A. Sterzi, G. Manzoni, M. Zacchigna, F. Cilento, I. Vobornik, J. Fujii, Ph. Bugnon, A. Magrez, H. Berger, F. Parmigiani, O. V. Yazyev, and M. Grioni	
Stable lossless polaritons on non-Hermitian optical interfaces (5 pages)	041409(R)
Yadong Xu, Jian-Hua Jiang, and Huanyang Chen	
Magnetoresistance and quantum oscillations of an electrostatically tuned semimetal-to-metal transition in ultrathin WTe ₂ (5 pages)	041410(R)
Valla Fatemi, Quinn D. Gibson, Kenji Watanabe, Takashi Taniguchi, Robert J. Cava, and Pablo Jarillo-Herrero	

(Continued)

RAPID COMMUNICATIONS

Electronic structure and strongly correlated systems

- Self-learning Monte Carlo method (*5 pages*) 041101(R)
Junwei Liu, Yang Qi, Zi Yang Meng, and Liang Fu
- Gapped excitation in dense Kondo lattice CePtZn (*5 pages*) 041102(R)
L. Harriger, S. M. Disseler, J. Gunasekera, J. Rodriguez-Rivera, J. Pixley, P. Manfrinetti,
S. K. Dhar, and D. K. Singh
- Three-dimensional organic Dirac-line materials due to nonsymmorphic symmetry: A data mining
approach (*6 pages*) 041103(R)
R. Matthias Geilhufe, Adrien Bouhon, Stanislav S. Borysov, and Alexander V. Balatsky
- ☞ Photocurrents in Weyl semimetals (*5 pages*) 041104(R)
Ching-Kit Chan, Netanel H. Lindner, Gil Refael, and Patrick A. Lee
- Locating topological phase transitions using nonequilibrium signatures in local bulk observables (*5 pages*) 041105(R)
Sthitadhi Roy, Roderich Moessner, and Arnab Das
- Symmetry enriched U(1) topological orders for dipole-octupole doublets on a pyrochlore lattice (*6 pages*) 041106(R)
Yao-Dong Li and Gang Chen
- NMR investigation of antiferromagnetism and coherence in URu₂Si_{2-x}P_x (*5 pages*) 041107(R)
K. R. Shirer, M. Lawson, T. Kissikov, B. T. Bush, A. Gallagher, K.-W. Chen, R. E. Baumbach, and N. J. Curro
- Kondo screening of the spin and orbital magnetic moments of Fe impurities in Cu (*5 pages*) 041108(R)
L. Joly, J.-P. Kappler, P. Ohresser, Ph. Saintavit, Y. Henry, F. Gautier, G. Schmerber, D. J. Kim,
C. Goyhenex, H. Bulou, O. Bengone, J. Kavich, P. Gambardella, and F. Scheurer
- G-type antiferromagnetic order in the metallic oxide LaCu₃Cr₄O₁₂ (*4 pages*) 041109(R)
Takashi Saito (齊藤高志), Shoubao Zhang (张守宝), Dmitry Khalyavin, Pascal Manuel,
J. Paul Attfield, and Yuichi Shimakawa (島川祐一)
- Bad-metallic behavior of doped Mott insulators (*5 pages*) 041110(R)
Jure Kokalj
- Direct mapping of spin and orbital entangled wave functions under interband spin-orbit coupling of giant Rashba
spin-split surface states (*6 pages*) 041111(R)
Ryo Noguchi, Kenta Kuroda, K. Yaji, K. Kobayashi, M. Sakano, A. Harasawa, Takeshi Kondo,
F. Komori, and S. Shin

