

RAPID COMMUNICATIONS

Electronic structure and strongly correlated systems

- Ultrafast modulation of electronic structure by coherent phonon excitations (*5 pages*) 081101(R)
J. Weisshaupt, A. Rouzée, M. Woerner, M. J. J. Vrakking, T. Elsaesser, E. L. Shirley, and A. Borgschulte
- Two-dimensional topological crystalline quantum spin Hall effect in transition metal intercalated compounds (*5 pages*) 081102(R)
Jian Zhou and Puru Jena
- Ultrafast energy- and momentum-resolved surface Dirac photocurrents in the topological insulator Sb_2Te_3 (*5 pages*) 081103(R)
Kenta Kuroda, J. Reimann, K. A. Kokh, O. E. Tereshchenko, A. Kimura, J. Gädde, and U. Höfer
- Local resilience of the $1T\text{-TiSe}_2$ charge density wave to Ti self-doping (*5 pages*) 081104(R)
B. Hildebrand, T. Jaouen, C. Didiot, E. Razzoli, G. Monney, M.-L. Mottas, F. Vanini, C. Barreateau, A. Ubaldini, E. Giannini, H. Berger, D. R. Bowler, and P. Aebi
- Rehabilitation of the Perdew-Burke-Ernzerhof generalized gradient approximation for layered materials (*5 pages*) 081105(R)
Haowei Peng and John P. Perdew
- Formation of Hubbard-like bands as a fingerprint of strong electron-electron interactions in FeSe (*7 pages*) 081106(R)
Matthew D. Watson, Steffen Backes, Amir A. Haghighirad, Moritz Hoesch, Timur K. Kim, Amalia I. Coldea, and Roser Valentí
- Topological crystalline magnets: Symmetry-protected topological phases of fermions (*5 pages*) 081107(R)
Haruki Watanabe and Liang Fu

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

- Binding energies of trions and biexcitons in two-dimensional semiconductors from diffusion quantum Monte Carlo calculations (*5 pages*) 081301(R)
M. Szytniszewski, E. Mostaani, N. D. Drummond, and V. I. Fal'ko
- Fermi arcs formation in Weyl semimetals: The key role of intervalley interaction (*5 pages*) 081302(R)
Zh. A. Devizorova and V. A. Volkov
- Spin injection beyond the diffusive limit in the presence of spin-orbit coupling (*5 pages*) 081303(R)
Lennart-Knud Liefeth, Rajkiran Tholapi, Tomotsugu Ishikura, Max Hänze, Robert Hartmann, Taras Slobodskyy, and Wolfgang Hansen



CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 8

FEBRUARY 2017-15(II)

Carrier transfer across a 2D-3D semiconductor heterointerface: The role of momentum mismatch (<i>5 pages</i>)	081304(R)
T. Kümmell, U. Hutten, F. Heyer, K. Derr, R.-M. Neubieser, W. Quitsch, and G. Bacher	
Surface physics, nanoscale physics, low-dimensional systems	
Simulating contrast inversion in atomic force microscopy imaging with real-space pseudopotentials (<i>4 pages</i>)	081401(R)
Alex J. Lee, Yuki Sakai, and James R. Chelikowsky	
Observation of chirality transition of quasiparticles at stacking solitons in trilayer graphene (<i>5 pages</i>)	081402(R)
Long-Jing Yin, Wen-Xiao Wang, Yu Zhang, Yang-Yang Ou, Hao-Ting Zhang, Cai-Yun Shen, and Lin He	
Spin relaxation $1/f$ noise in graphene (<i>5 pages</i>)	081403(R)
S. Omar, M. H. D. Guimarães, A. Kaverzin, B. J. van Wees, and I. J. Vera-Marun	
Graphene-WS ₂ heterostructures for tunable spin injection and spin transport (<i>5 pages</i>)	081404(R)
S. Omar and B. J. van Wees	
Quantum metrology with a single spin- $\frac{3}{2}$ defect in silicon carbide (<i>5 pages</i>)	081405(R)
Ö. O. Soykal and T. L. Reinecke	
Revealing the spin optics in conic-shaped metasurfaces (<i>5 pages</i>)	081406(R)
YanJun Bao, Shuai Zu, Wei Liu, Lei Zhou, Xing Zhu, and Zheyu Fang	
Electronic properties of single-layer antimony: Tight-binding model, spin-orbit coupling, and the strength of effective Coulomb interactions (<i>6 pages</i>)	081407(R)
A. N. Rudenko, M. I. Katsnelson, and R. Roldán	
Giant microwave-induced B -periodic magnetoresistance oscillations in a two-dimensional electron gas with a bridged-gate tunnel point contact (<i>4 pages</i>)	081408(R)
A. D. Levin, S. A. Mikhailov, G. M. Gusev, Z. D. Kvon, E. E. Rodyakina, and A. V. Latyshev	
Bound states in nanoscale graphene quantum dots in a continuous graphene sheet (<i>6 pages</i>)	081409(R)
Jia-Bin Qiao, Hua Jiang, Haiwen Liu, Hong Yang, Ning Yang, Kai-Yao Qiao, and Lin He	
Observation of surface superstructure induced by systematic vacancies in the topological Dirac semimetal Cd ₃ As ₂ (<i>5 pages</i>)	081410(R)
Christopher J. Butler, Yi Tseng, Cheng-Rong Hsing, Yu-Mi Wu, Raman Sankar, Mei-Fang Wang, Ching-Ming Wei, Fang-Cheng Chou, and Minn-Tsong Lin	

ARTICLES

Electronic structure and strongly correlated systems

Nonequilibrium effects on charge and energy partitioning after an interaction quench (<i>11 pages</i>)	085101
Alessio Calzona, Filippo Maria Gambetta, Matteo Carrega, Fabio Cavaliere, and Maura Sassetti	
Fibonacci anyon excitations of one-dimensional dipolar lattice bosons (<i>13 pages</i>)	085102
Tanja Đurić, Krzysztof Biedroń, and Jakub Zakrzewski	
Interplay between charge density wave and antiferromagnetic order in GdNiC ₂ (<i>5 pages</i>)	085103
N. Hanasaki, S. Shimomura, K. Mikami, Y. Nogami, H. Nakao, and H. Onodera	

(Continued)

Anatomy of quantum critical wave functions in dissipative impurity problems (<i>10 pages</i>)	085104
Zach Blunden-Codd, Soumya Bera, Benedikt Bruognolo, Nils-Oliver Linden, Alex W. Chin, Jan von Delft, Ahsan Nazir, and Serge Florens	
Triplet superfluidity on a triangular ladder with dipolar fermions (<i>10 pages</i>)	085105
Bradraj Pandey and Swapan K. Pati	
Energy dependence of the electron-boson coupling strength in the electron-doped cuprate superconductor Pr _{1.85} Ce _{0.15} CuO _{4-δ} (<i>8 pages</i>)	085106
M. Beck, M. Klammer, I. Rousseau, M. Obergfell, P. Leiderer, M. Helm, V. V. Kabanov, I. Diamant, A. Rabinowicz, Y. Dagan, and J. Demsar	
Magnetic structures and excitations in CePd ₂ (Al,Ga) ₂ series: Development of the “vibron” states (<i>15 pages</i>)	085107
M. Klicpera, M. Boehm, P. Doležal, H. Mutka, M. M. Koza, S. Rols, D. T. Adroja, I. Puente Orench, J. Rodríguez-Carvajal, and P. Javorský	
Competing instabilities, orbital ordering, and splitting of band degeneracies from a parquet renormalization group analysis of a four-pocket model for iron-based superconductors: Application to FeSe (<i>26 pages</i>)	085108
Rui-Qi Xing, Laura Classen, Maxim Khodas, and Andrey V. Chubukov	
Ce 4 <i>f</i> electronic states of CeO _{1-x} F _x BiS ₂ studied by soft x-ray photoemission spectroscopy (<i>9 pages</i>)	085109
Takanori Wakita, Kensei Terashima, Takahiro Hamada, Hirokazu Fujiwara, Makoto Minohara, Masaki Kobayashi, Koji Horiba, Hiroshi Kumigashira, Galif Kutluk, Masanori Nagao, Satoshi Watauchi, Isao Tanaka, Satoshi Demura, Hiroyuki Okazaki, Yoshihiko Takano, Yoshikazu Mizuguchi, Osuke Miura, Kozo Okada, Yuji Muraoka, and Takayoshi Yokoya	
Topological phase transitions with SO(4) symmetry in (2+1)D interacting Dirac fermions (<i>5 pages</i>)	085110
Xiao Yan Xu, K. S. D. Beach, Kai Sun, F. F. Assaad, and Zi Yang Meng	
Quantum oscillations from inside the Fermi sea (<i>5 pages</i>)	085111
Hridis K. Pal	
Signature of surface state coupling in thin films of the topological Kondo insulator SmB ₆ from anisotropic magnetoresistance (<i>7 pages</i>)	085112
M. Shaviv Petrushevsky, P. K. Rout, G. Levi, A. Kohn, and Y. Dagan	
Longitudinal fluctuations in the Berezinskii-Kosterlitz-Thouless phase (<i>11 pages</i>)	085113
Pawel Jakubczyk and Walter Metzner	
Tuning the terahertz low-energy charge dynamics by simultaneous effect of epitaxial and anisotropic strain in PrNiO ₃ thin films (<i>8 pages</i>)	085114
V. Eswara Phanindra, Sarmistha Das, K. Santhosh Kumar, Piyush Agarwal, Rakesh Rana, and D. S. Rana	
Magnetic impurities in spin-split superconductors (<i>10 pages</i>)	085115
W.-V. van Gerven Oei, D. Tanasković, and R. Žitko	
BaSn ₂ : A wide-gap strong topological insulator (<i>8 pages</i>)	085116
Steve M. Young, S. Manni, Junping Shao, Paul C. Canfield, and Aleksey N. Kolmogorov	
Electronic band structure for occupied and unoccupied states of the natural topological superlattice phase Sb ₂ Te (<i>6 pages</i>)	085118
L. Khalil, E. Papalazarou, M. Caputo, N. Nilforoushan, L. Perfetti, A. Taleb-Ibrahimi, V. Kandyba, A. Barinov, Q. D. Gibson, R. J. Cava, and M. Marsi	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 8

FEBRUARY 2017-15(II)

On the nature of the Mott transition in multiorbital systems (<i>10 pages</i>)	085119
Jorge I. Facio, V. Vildosola, D. J. García, and Pablo S. Cornaglia	
Competing orders and topology in the global phase diagram of pyrochlore iridates (<i>23 pages</i>)	085120
Pallab Goswami, Bitan Roy, and Sankar Das Sarma	
Non-Fermi-liquid behavior in quantum impurity models with superconducting channels (<i>10 pages</i>)	085121
Rok Žitko and Michele Fabrizio	
Electrical and thermal transport in the quasiatomic limit of coupled Luttinger liquids (<i>16 pages</i>)	085122
Aaron Szasz, Roni Ilan, and Joel E. Moore	
Optical suppression of electron motion in low-dimensional correlated electron system (<i>5 pages</i>)	085123
Atsushi Ono, Hiroshi Hashimoto, and Sumio Ishihara	
Dipolar fermions in a multilayer geometry (<i>10 pages</i>)	085124
M. Callegari, M. M. Parish, and F. M. Marchetti	
Superconductivity and electronic fluctuations in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ studied by Raman scattering (<i>10 pages</i>)	085125
S.-F. Wu, P. Richard, H. Ding, H.-H. Wen, Guotai Tan, Meng Wang, Chenglin Zhang, Pengcheng Dai, and G. Blumberg	
Spin-orbit Hamiltonian for organic crystals from first-principles electronic structure and Wannier functions (<i>11 pages</i>)	085126
Subhayan Roychoudhury and Stefano Sanvito	
Chiral anomaly and second-harmonic generation in Weyl semimetals (<i>8 pages</i>)	085127
A. A. Zyuzin and A. Yu. Zyuzin	
Finite-temperature valence-bond-solid transitions and thermodynamic properties of interacting $\text{SU}(2N)$ Dirac fermions (<i>11 pages</i>)	085128
Zhichao Zhou, Da Wang, Congjun Wu, and Yu Wang	
Multiferroic $\text{Bi}_2\text{NiMnO}_6$ thin films: A computational prediction (<i>8 pages</i>)	085129
Oswaldo Diéguez and Jorge Íñiguez	
Delicate competing electronic states in ultrathin manganite films (<i>4 pages</i>)	085130
Zhaoliang Liao, Rongying Jin, E. W. Plummer, and Jiandi Zhang	
Quantum transport simulation scheme including strong correlations and its application to organic radicals adsorbed on gold (<i>25 pages</i>)	085131
Andrea Droghetti and Ivan Rungger	
Kitaev materials beyond iridates: Order by quantum disorder and Weyl magnons in rare-earth double perovskites (<i>8 pages</i>)	085132
Fei-Ye Li, Yao-Dong Li, Yue Yu, Arun Paramekanti, and Gang Chen	
Electronic structure and correlation in $\beta\text{-Ti}_3\text{O}_5$ and $\lambda\text{-Ti}_3\text{O}_5$ studied by hard x-ray photoelectron spectroscopy (<i>7 pages</i>)	085133
Keisuke Kobayashi, Munetaka Taguchi, Masaaki Kobata, Kenji Tanaka, Hiroko Tokoro, Hiroshi Daimon, Tetsuo Okane, Hiroshi Yamagami, Eiji Ikenaga, and Shin-ichi Ohkoshi	
Rapidly convergent cluster expansion and application to lithium ion battery materials (<i>6 pages</i>)	085134
Eunseok Lee, Hakim Iddir, and Roy Benedek	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 8

FEBRUARY 2017-15(II)

Composite fermion duality for half-filled multicomponent Landau levels (21 pages)	085135
Inti Sodemann, Itamar Kimchi, Chong Wang, and T. Senthil	
Magnetic properties and spin-driven ferroelectricity in multiferroic skyrmion host GaV_4S_8 (8 pages)	085136
J. T. Zhang, J. L. Wang, X. Q. Yang, W. S. Xia, X. M. Lu, and J. S. Zhu	
Fine tuning of optical transition energy of twisted bilayer graphene via interlayer distance modulation (5 pages)	085138
Elena del Corro, Miriam Peña-Alvarez, Kentaro Sato, Angel Morales-Garcia, Milan Bousa, Michal Mračko, Radek Kolman, Barbara Pacakova, Ladislav Kavan, Martin Kalbac, and Otakar Frank	
Response to a local quench of a system near the many-body localization transition (8 pages)	085139
Canran Xu and Maxim G. Vavilov	
Two-rate periodic protocol with dynamics driven through many cycles (11 pages)	085141
Satyaki Kar	
Uranium ferromagnet with negligible magnetocrystalline anisotropy: $\text{U}_4\text{Ru}_7\text{Ge}_6$ (9 pages)	085142
Michal Vališka, Martin Diviš, and Vladimír Sechovský	
Competing electronic instabilities of extended Hubbard models on the honeycomb lattice: A functional renormalization group calculation with high-wave-vector resolution (11 pages)	085143
D. Sánchez de la Peña, J. Lichtenstein, and C. Honerkamp	
Currents and Green's functions of impurities out of equilibrium: Results from inchworm quantum Monte Carlo (10 pages)	085144
Andrey E. Antipov, Qiaoyuan Dong, Joseph Kleinhenz, Guy Cohen, and Emanuel Gull	
Half-metallic quantum valley Hall effect in biased zigzag-edge bilayer graphene nanoribbons (6 pages)	085145
Kyu Won Lee and Cheol Eui Lee	
Many-body lattice wave functions from conformal blocks (11 pages)	085146
Sebastián Montes, Javier Rodríguez-Laguna, Hong-Hao Tu, and Germán Sierra	
Finite-temperature properties of nonmagnetic transition metals: Comparison of the performance of constraint-based semilocal and nonlocal functionals (12 pages)	085147
Leili Gharaee, Paul Erhart, and Per Hyldgaard	
Nonlocal electrodynamics in Weyl semimetals (11 pages)	085148
B. Rosenstein, H. C. Kao, and M. Lewkowicz	
Electric-field-induced intradimer charge disproportionation in the dimer-Mott insulator $\beta'-(\text{BEDT-TTF})_2\text{ICl}_2$ (5 pages)	085149
Yuma Hattori, Satoshi Iguchi, Takahiko Sasaki, Shinichiro Iwai, Hiromi Taniguchi, and Hideo Kishida	
Optical phonons for Peierls chains with long-range Coulomb interactions (15 pages)	085150
Máté Timár, Gergely Barcza, Florian Gebhard, and Örs Legeza	
Exact electromagnetic response of Landau level electrons (20 pages)	085151
Dung Xuan Nguyen and Andrey Gromov	
Semiconductors I: bulk	
Natural off-stoichiometry causes carrier doping in half-Heusler filled tetrahedral structures (25 pages)	085201
Yonggang G. Yu, Xiuwen Zhang, and Alex Zunger	

(Continued)

Electron scattering in tantalum monoarsenide (7 pages)	085202
Cheng-Long Zhang, Zhujun Yuan, Qing-Dong Jiang, Bingbing Tong, Chi Zhang, X. C. Xie, and Shuang Jia	
Defect-induced magnetism in SiC probed by nuclear magnetic resonance (5 pages)	085203
Z. T. Zhang, D. Dmytriieva, S. Molatta, J. Wosnitza, Yutian Wang, M. Helm, Shengqiang Zhou, and H. Kühne	
Enhancing chaotic behavior at room temperature in GaAs/(Al,Ga)As superlattices (5 pages)	085204
M. Ruiz-Garcia, J. Essen, M. Carretero, L. L. Bonilla, and B. Birnir	
Raman spectroscopy evidence of domain walls in the organic electronic ferroelectrics (TMTTF) ₂ X (X = SbF ₆ , AsF ₆ , PF ₆) (5 pages)	085205
Roman Świetlik, Bolesław Barszcz, Andrej Pustogow, and Martin Dressel	
Quantum interference in a macroscopic van der Waals conductor (5 pages)	085206
C. W. Rischau, S. Wiedmann, G. Seyfarth, D. LeBoeuf, K. Behnia, and B. Fauqué	
Thermal transport in novel carbon allotropes with sp^2 or sp^3 hybridization: An <i>ab initio</i> study (11 pages)	085207
Sheng-Ying Yue, Guangzhao Qin, Xiaoliang Zhang, Xianlei Sheng, Gang Su, and Ming Hu	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Investigation of the dimensionality of charge transport in organic field effect transistors (8 pages)	085301
Hassan Abdalla, Simone Fabiano, and Martijn Kemerink	
Reservoir-induced decoherence of resonantly excited confined polaritons (7 pages)	085302
C. Ouellet-Plamondon, G. Sallen, F. Morier-Genoud, D. Y. Oberli, M. T. Portella-Oberli, and B. Deveaud	
Comparative investigation of electronic transport across three-dimensional nanojunctions (11 pages)	085303
Yun-Peng Wang, X.-G. Zhang, J. N. Fry, and Hai-Ping Cheng	
Lattice-matched heterojunctions between topological and normal insulators: A first-principles study (9 pages)	085304
Hyungjun Lee and Oleg V. Yazyev	
Conductivity of the two-dimensional electron gas at LaAlO ₃ /SrTiO ₃ interface (7 pages)	085305
E. V. Kirichenko, V. A. Stephanovich, and V. K. Dugaev	
Thermal boundary resistance from transient nanocalorimetry: A multiscale modeling approach (12 pages)	085306
Claudia Caddeo, Claudio Melis, Andrea Ronchi, Claudio Giannetti, Gabriele Ferrini, Riccardo Rurali, Luciano Colombo, and Francesco Banfi	
Nonlocal magnetoresistance measurements of the organic zero-gap conductor α -(BEDT-TTF) ₂ I ₃ (5 pages)	085307
Takeshi Kamiya, Yoshitaka Kawasaki, Masato Ara, and Hirokazu Tada	
Anisotropic magnetotransport in Dirac-Weyl magnetic junctions (6 pages)	085308
Yuya Ominato, Koji Kobayashi, and Kentaro Nomura	
Interactive optomechanical coupling with nonlinear polaritonic systems (6 pages)	085309
N. Bobrovska, M. Matuszewski, T. C. H. Liew, and O. Kyriienko	
Thermal transport across metal silicide-silicon interfaces: First-principles calculations and Green's function transport simulations (15 pages)	085310
Sridhar Sadasivam, Ning Ye, Joseph P. Feser, James Charles, Kai Miao, Tillmann Kubis, and Timothy S. Fisher	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 8

FEBRUARY 2017-15(II)

Evidence of Fermi level pinning at the Dirac point in epitaxial multilayer graphene (<i>6 pages</i>)	085311
S. Massabeau, M. Baillergeau, T. Phuphachong, C. Berger, W. A. de Heer, S. Dhillon, J. Tignon, L. A. de Vaultchier, R. Ferreira, and J. Mangeney	
Collective electronic excitation in a trapped ensemble of photogenerated dipolar excitons and free holes revealed by inelastic light scattering (<i>8 pages</i>)	085312
Sebastian Dietl, Sheng Wang, Dieter Schuh, Werner Wegscheider, Jörg P. Kotthaus, Aron Pinczuk, Alexander W. Holleitner, and Ursula Wurstbauer	
Exotic surface states in hybrid structures of topological insulators and Weyl semimetals (<i>11 pages</i>)	085313
Stefan Juergens and Björn Trauzettel	
Pitfalls in the theory of carrier dynamics in semiconductor quantum dots: Single-particle basis versus the many-particle configuration basis (<i>11 pages</i>)	085314
T. Lettau, H. A. M. Leymann, and J. Wiersig	
Surface physics, nanoscale physics, low-dimensional systems	
All-dielectric light concentrator to subwavelength volume (<i>11 pages</i>)	085401
S. S. Vergeles, A. K. Sarychev, and G. Tartakovsky	
Enhanced magnetochiral effects at microwave frequencies by a single metamolecule (<i>12 pages</i>)	085402
Satoshi Tomita, Hiroyuki Kurosawa, Kei Sawada, and Tetsuya Ueda	
Spin precession in anisotropic media (<i>9 pages</i>)	085403
B. Raes, A. W. Cummings, F. Bonell, M. V. Costache, J. F. Sierra, S. Roche, and S. O. Valenzuela	
Competing growth processes induced by next-nearest-neighbor interactions: Effects on meandering wavelength and stiffness (<i>8 pages</i>)	085404
Sonia Blel, Ajmi BH. Hamouda, B. Mahjoub, and T. L. Einstein	
Environmental noise effects on entanglement fidelity of exchange-coupled semiconductor spin qubits (<i>12 pages</i>)	085405
Robert E. Throckmorton, Edwin Barnes, and S. Das Sarma	
Interlayer locking and atomic-scale friction in commensurate small-diameter boron nitride nanotubes (<i>5 pages</i>)	085406
Homin Shin, Keun Su Kim, Benoit Simard, and Dennis D. Klug	
Influence of misorientation on graphene Moiré patterns (<i>7 pages</i>)	085407
Marie Smirman, Doaa Taha, Arunima K. Singh, Zhi-Feng Huang, and K. R. Elder	
Towards a standardized setup for surface energy calculations (<i>11 pages</i>)	085408
Jakub W. Kaminski, Peter Kratzer, and Christian Ratsch	
Systematic study of the hybrid plasmonic-photonic band structure underlying lasing action of diffractive plasmon particle lattices (<i>14 pages</i>)	085409
A. Hinke Schokker, Floor van Riggelen, Yakir Hadad, Andrea Alù, and A. Femius Koenderink	
Direct observation of the band structure in bulk hexagonal boron nitride (<i>6 pages</i>)	085410
Hugo Henck, Debora Pierucci, Giorgia Fugallo, José Avila, Guillaume Cassaboïs, Yannick J. Dappe, Mathieu G. Silly, Chaoyu Chen, Bernard Gil, Matteo Gatti, Francesco Sottile, Fausto Sirotti, Maria C. Asensio, and Abdelkarim Ouerghi	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 8

FEBRUARY 2017-15(II)

Spin filtering in all-electrical three-terminal interferometers (<i>10 pages</i>)	085411
S. Matityahu, A. Aharony, O. Entin-Wohlman, and C. A. Balseiro	
Formation of nanoripples on amorphous alumina thin films during low-energy ion-beam sputtering: Experiments and simulations (<i>16 pages</i>)	085412
D. Babonneau, E. Vandenhecke, and S. Camelio	
Many-body heat radiation and heat transfer in the presence of a nonabsorbing background medium (<i>18 pages</i>) . . .	085413
Boris Müller, Roberta Incardone, Mauro Antezza, Thorsten Emig, and Matthias Krüger	
Simple Floquet-Wannier-Stark-Andreev viewpoint and emergence of low-energy scales in a voltage-biased three-terminal Josephson junction (<i>13 pages</i>)	085415
Régis Mélin, Jean-Guy Caputo, Kang Yang, and Benoît Douçot	
Spin-orbit and anisotropy effects in unoccupied bulk, surface, and image-potential states on W(110) (<i>7 pages</i>) . . .	085416
Henry Wortelen, Jürgen Henk, and Markus Donath	
Two-body problem for two-dimensional electrons in the Bernervig-Hughes-Zhang model (<i>16 pages</i>)	085417
Vladimir A. Sablikov	
Two-electron bound states near a Coulomb impurity in gapped graphene (<i>12 pages</i>)	085418
Alessandro De Martino and Reinhold Egger	
Plasmon properties and hybridization effects in silicene (<i>13 pages</i>)	085419
C. Vacacela Gomez, M. Pisarra, M. Gravina, P. Riccardi, and A. Sindona	
Band-unfolding approach to moiré-induced band-gap opening and Fermi level velocity reduction in twisted bilayer graphene (<i>8 pages</i>)	085420
Hirofumi Nishi, Yu-ichiro Matsushita, and Atsushi Oshiyama	
Entangled light from bimodal optical nanoantennas (<i>9 pages</i>)	085421
J. Straubel, R. Sarniak, C. Rockstuhl, and K. Słowik	
Alternative structure of TiO ₂ with higher energy valence band edge (<i>7 pages</i>)	085422
Sinisa Coh, Peter Y. Yu, Yuta Aoki, Susumu Saito, Steven G. Louie, and Marvin L. Cohen	
Vibrational effects in charge transport through a molecular double quantum dot (<i>11 pages</i>)	085423
Jakub K. Sowa, Jan A. Mol, G. Andrew D. Briggs, and Erik M. Gauger	
Two-dimensional percolation transition at finite temperature: Phase boundary for in-plane magnetism in films with two atomic layers of Fe on W(110) (<i>8 pages</i>)	085424
R. Belanger and D. Venus	
Control of the dipole layer of polar organic molecules adsorbed on metal surfaces via different charge-transfer channels (<i>9 pages</i>)	085425
Meng-Kai Lin, Yasuo Nakayama, Ying-Jie Zhuang, Kai-Jun Su, Chin-Yung Wang, Tun-Wen Pi, Sebastian Metz, Theodoros A. Papadopoulos, T.-C. Chiang, Hisao Ishii, and S.-J. Tang	
Strong vibration nonlinearity in semiconductor-based nanomechanical systems (<i>9 pages</i>)	085426
Kirill Moskvovtsev and M. I. Dykman	
Probability distributions of continuous measurement results for conditioned quantum evolution (<i>14 pages</i>)	085427
A. Franquet and Yuli V. Nazarov	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 95, NUMBER 8

FEBRUARY 2017-15(II)

Theory of interaction-induced renormalization of Drude weight and plasmon frequency in chiral multilayer graphene (<i>17 pages</i>)	085428
Xiao Li and Wang-Kong Tse	
Angular dependence of giant Zeeman effect for semimagnetic cavity polaritons (<i>8 pages</i>)	085429
R. Mirek, M. Król, K. Lekenta, J.-G. Rousset, M. Nawrocki, M. Kulczykowski, M. Matuszewski, J. Szczytko, W. Pacuski, and B. Piętko	
Thermal transport across metal silicide-silicon interfaces: An experimental comparison between epitaxial and nonepitaxial interfaces (<i>9 pages</i>)	085430
Ning Ye, Joseph P. Feser, Sridhar Sadasivam, Timothy S. Fisher, Tianshi Wang, Chaoying Ni, and Anderson Janotti	
Dimensional reduction of the Luttinger Hamiltonian and g -factors of holes in symmetric two-dimensional semiconductor heterostructures (<i>9 pages</i>)	085431
D. S. Miserev and O. P. Sushkov	
Nonperturbative quasiclassical theory of the nonlinear electrodynamic response of graphene (<i>17 pages</i>)	085432
S. A. Mikhailov	
Inhibition of a structural phase transition in one-dimensional organometal halide perovskite nanorods grown inside porous silicon nanotube templates (<i>10 pages</i>)	085433
N. Arad-Vosk, N. Rozenfeld, R. Gonzalez-Rodriguez, J. L. Coffey, and A. Sa'ar	
Interplay between Rashba interaction and electromagnetic field in the edge states of a two-dimensional topological insulator (<i>14 pages</i>)	085434
Fabrizio Dolcini	
First-principles study of the electrical and lattice thermal transport in monolayer and bilayer graphene (<i>10 pages</i>)	085435
Ransell D'Souza and Sugata Mukherjee	
High-harmonic generation in graphene: Interband response and the harmonic cutoff (<i>9 pages</i>)	085436
Larisa A. Chizhova, Florian Libisch, and Joachim Burgdörfer	
Wigner crystallization in quantum wires within the Yukawa approximation (<i>8 pages</i>)	085437
Reyna Méndez-Camacho, Esteban Cruz-Hernández, and Ramón Castañeda-Priego	
Interaction of crystalline topological insulator with an ultrashort laser pulse (<i>8 pages</i>)	085438
Seyyedeh Azar Oliaei Motlagh, Vadym Apalkov, and Mark I. Stockman	