

LETTERS

Electronic structure and strongly correlated systems

- Anomalous diamagnetism of electride electrons in transition metal silicides (6 pages) L241101
M. Hiraishi, K. M. Kojima, H. Okabe, A. Koda, R. Kadono, J. Wu, Y. Lu, and H. Hosono
- Wave-function geometry of band crossing points in two dimensions (6 pages) L241102
Yoonseok Hwang, Junseo Jung, Jun-Won Rhim, and Bohm-Jung Yang
- Current-induced torques in magnetic Weyl semimetal tunnel junctions (5 pages) L241103
D. J. P. de Sousa, Fei Xue, J. P. Wang, P. M. Haney, and Tony Low
- Quantum-limit Hall effect with large carrier density in topological semimetals (5 pages) L241104
Guang Yang and Yi Zhang
- Correlated electronic structure and optical response of rare-earth based semiconductors (6 pages) L241105
Anna Galler, James Boust, Alain Demourgues, Silke Biermann, and Leonid V. Pourovskii
- Anderson localization of electron states in a quasicrystal (7 pages) L241106
Shuvam Sarkar, Marian Krajčí, Pampa Sadhukhan, Vipin Kumar Singh, Andrei Gloskovskii, Prabhat Mandal, Vincent Fournée, Marie-Cecile de Weerd, Julian Ledieu, Ian R. Fisher, and Sudipta Roy Barman
- Diffusion in the Anderson model in higher dimensions (6 pages) L241107
P. Prelovšek and J. Herbrych
- Switching of the electron-phonon interaction in 1T-VSe₂ assisted by hot carriers (6 pages) L241108
Paulina Majchrzak, Sahar Pakdel, Deepnarayan Biswas, Alfred J. H. Jones, Klara Volckaert, Igor Marković, Federico Andreatta, Raman Sankar, Chris Jozwiak, Eli Rotenberg, Aaron Bostwick, Charlotte E. Sanders, Yu Zhang, Gabriel Karras, Richard T. Chapman, Adam Wyatt, Emma Springate, Jill A. Miwa, Philip Hofmann, Phil D. C. King, Nicola Lanatà, Young Jun Chang, and Søren Ulstrup
- Local Raman spectroscopy of chiral Majorana edge modes in Kitaev spin liquids and topological superconductors (5 pages) L241109
James Jun He and Naoto Nagaosa
- Metal-insulator transition in transition metal dichalcogenide heterobilayer moiré superlattices (6 pages) L241110
Nicolás Morales-Durán, Allan H. MacDonald, and Pawel Potasz
- Terahertz emission spectroscopy of ultrafast exciton shift current in the noncentrosymmetric semiconductor CdS (6 pages) L241111
M. Sotome, M. Nakamura, T. Morimoto, Y. Zhang, G.-Y. Guo, M. Kawasaki, N. Nagaosa, Y. Tokura, and N. Ogawa



Topological Hall effect in the antiferromagnetic Dirac semimetal EuAgAs (7 pages)	L241112
Antu Laha, Ratnadwip Singha, Sougata Mardanya, Bahadur Singh, Amit Agarwal, Prabhat Mandal, and Z. Hossain	
Gutzwiller wave function on a digital quantum computer (6 pages)	L241113
Bruno Murta and J. Fernández-Rossier	
Evidence for the random singlet phase in the honeycomb iridate SrIr_2O_6 (7 pages)	L241114
Pengbo Song, Kejia Zhu, Fan Yang, Yuan Wei, Lu Zhang, Huaixin Yang, Xian-Lei Sheng, Yang Qi, Jiamin Ni, Shiyan Li, Yanchun Li, Guanghan Cao, Zi Yang Meng, Wei Li, Youguo Shi, and Shiliang Li	
Type-II Dirac point in RbAg_5Se_3 (6 pages)	L241115
Huanzhao Lv, Zhenwei Wang, Qiubo Cheng, Wei Zhang, and Rui Yu	
Competing magnetic orders and multipolar Weyl fermions in 227 pyrochlore iridates (6 pages)	L241116
Konstantinos Ladovrechis, Tobias Meng, and Bitan Roy	
Electronic correlations in the normal state of the kagome superconductor KV_3Sb_5 (6 pages)	L241117
Jianzhou Zhao, Weikang Wu, Yilin Wang, and Shengyuan A. Yang	
Page curve for fermionic Gaussian states (7 pages)	L241118
Eugenio Bianchi, Lucas Hackl, and Mario Kieburg	
Semiconductors I: bulk	
Coherent phonon detection gated by transient spin-polarized electrons (6 pages)	L241201
C. Li, R. T. Harley, P. G. Lagoudakis, O. B. Wright, and O. Matsuda	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Optical flux pump in the quantum Hall regime (7 pages)	L241301
Bin Cao, Tobias Grass, Glenn Solomon, and Mohammad Hafezi	
Surface physics, nanoscale physics, low-dimensional systems	
Disorder in dissipation-induced topological states: Evidence for a different type of localization transition (7 pages)	L241401
Alon Beck and Moshe Goldstein	
Control of the local magnetic states in graphene with voltage and gating (6 pages)	L241402
Fei Gao, Yu Zhang, Lin He, Shiwu Gao, and Mads Brandbyge	
Temperature-linear spin-spin relaxation rates of one-dimensional ^3He fluid formed in nanochannels (5 pages)	L241403
Taku Matsushita, Ryosuke Shibatsuji, Katsuya Kurebayashi, Kazunori Amaike, Mitsunori Hieda, and Nobuo Wada	
Ultrafast creation and melting of nonequilibrium excitonic condensates in bulk WSe_2 (6 pages)	L241404
E. Perfetto and G. Stefanucci	
Quest for a pristine unreconstructed $\text{SrTiO}_3(001)$ surface: An atomically resolved study via noncontact atomic force microscopy (7 pages)	L241406
Igor Sokolović, Giada Franceschi, Zhichang Wang, Jian Xu, Jiří Pavelec, Michele Riva, Michael Schmid, Ulrike Diebold, and Martin Setvín	
Coupling and decoupling of polaritonic states in multimode cavities (6 pages)	L241407
M. Balasubrahmaniam, Cyriaque Genet, and Tal Schwartz	

(Continued)

Simple formulas of directional amplification from non-Bloch band theory (<i>6 pages</i>)	L241408
Wen-Tan Xue, Ming-Rui Li, Yu-Min Hu, Fei Song, and Zhong Wang	
Using nonlocal surface transport to identify the axion insulator (<i>7 pages</i>)	L241409
Rui Chen, Shuai Li, Hai-Peng Sun, Qihang Liu, Yue Zhao, Hai-Zhou Lu, and X. C. Xie	
Quantized exciton-exciton annihilation in monolayer WS ₂ on SrTiO ₃ substrate with atomically flat terraces (<i>6 pages</i>)	L241410
Yuto Kajino, Kohei Sakanashi, Nobuyuki Aoki, Kenji Watanabe, Takashi Taniguchi, Kenichi Oto, and Yasuhiro Yamada	
Gate control, <i>g</i> factors, and spin-orbit energy of <i>p</i> -type GaSb nanowire quantum dot devices (<i>6 pages</i>)	L241411
Sven Dorsch, In-Pyo Yeo, Sebastian Lehmann, Kimberly Dick, Claes Thelander, and Adam Burke	

ARTICLES

Electronic structure and strongly correlated systems

 Infrared study of the interplay of charge, spin, and lattice excitations in the magnetic topological insulator EuIn ₂ As ₂ (<i>6 pages</i>)	245101
Bing Xu, P. Marsik, S. Sarkar, F. Lyzwa, Y. Zhang, B. Shen, and C. Bernhard	
Time-dependent orbital-free density functional theory: Background and Pauli kernel approximations (<i>14 pages</i>)	245102
Kaili Jiang and Michele Pavanello	
From carriers and virtual excitons to exciton populations: Insights into time-resolved ARPES spectra from an exactly solvable model (<i>12 pages</i>)	245103
G. Stefanucci and E. Perfetto	
Electronic structure examination of the topological properties of CaMnSb ₂ by angle-resolved photoemission spectroscopy (<i>10 pages</i>)	245104
Hongtao Rong, Liqin Zhou, Junbao He, Chunyao Song, Jianwei Huang, Cheng Hu, Yu Xu, Yongqing Cai, Hao Chen, Cong Li, Qingyan Wang, Lin Zhao, Zhihai Zhu, Guodong Liu, Zuyan Xu, Genfu Chen, Hongming Weng, and X. J. Zhou	
Timescales of excited state relaxation in α -RuCl ₃ observed by time-resolved two-photon photoemission spectroscopy (<i>8 pages</i>)	245105
Dan Nevola, Alexander Bataller, Ankit Kumar, Samanvitha Sridhar, Jordan Frick, Shaun O'Donnell, Harald Ade, Paul A. Maggard, Alexander F. Kemper, Kenan Gundogdu, and Daniel B. Dougherty	
Topological transport of mobile impurities (<i>14 pages</i>)	245106
D. Pimenov, A. Camacho-Guardian, N. Goldman, P. Massignan, G. M. Bruun, and M. Goldstein	
Simulating higher-order topological insulators in density wave insulators (<i>19 pages</i>)	245107
Kuan-Sen Lin and Barry Bradlyn	
 Analytical results for the low-temperature Drude weight of the XXZ spin chain (<i>15 pages</i>)	245108
Andrew Urichuk, Jesko Sirker, and Andreas Klümper	
Evidence for spin-orbit and <i>e-e</i> Coulomb interaction from a magnetotransport study on CaCu ₃ Ru ₄ O ₁₂ thin films (<i>9 pages</i>)	245109
Subhadip Jana, T. Senapati, and D. Samal	

(Continued)

Dynamic transverse magnetic susceptibility in the projector augmented-wave method: Application to Fe, Ni, and Co (28 pages)	245110
Thorbjørn Skovhus and Thomas Olsen	
Machine-learning semilocal density functional theory for many-body lattice models at zero and finite temperature (9 pages)	245111
James Nelson, Rajarshi Tiwari, and Stefano Sanvito	
Matryoshka approach to sine-cosine topological models (7 pages)	245112
R. G. Dias and A. M. Marques	
Chemical control of the Rashba spin splitting size of α -GeTe(111) surface states by adjusting the potential at the topmost atomic layer (12 pages)	245113
Hanyoung Ryu, Jae-Mo Lihm, Joonil Cha, Beomyoung Kim, Beom Seo Kim, Wonshik Kyung, Inkyung Song, Yeongkwan Kim, Garam Han, Jonathan Denlinger, In Chung, Cheol-Hwan Park, Seung Ryong Park, and Changyoung Kim	
Thermodynamic electric quadrupole moments of nematic phases from first-principles calculations (13 pages)	245114
Taisei Kitamura, Jun Ishizuka, Akito Daido, and Youichi Yanase	
Topological polarization, dual invariants, and surface flat bands in crystalline insulators (11 pages)	245115
J. Nissinen, T. T. Heikkilä, and G. E. Volovik	
Self-energy self-consistent density functional theory plus dynamical mean field theory (11 pages)	245116
Sumanta Bhandary and Karsten Held	
Fluctuation control of nonthermal orbital order (11 pages)	245117
Francesco Grandi and Martin Eckstein	
Predicting impurity spectral functions using machine learning (14 pages)	245118
Erica J. Sturm, Matthew R. Carbone, Deyu Lu, Andreas Weichselbaum, and Robert M. Konik	
Nonlinear transport in Weyl semimetals induced by Berry curvature dipole (12 pages)	245119
Chuanchang Zeng, Snehasish Nandy, and Sumanta Tewari	
Direct observation of an incommensurate charge density wave in the BiS ₂ -based superconductor NdO _{1-x} F _x BiS ₂ (7 pages)	245120
Jooseop Lee, Masanori Nagao, Yoshikazu Mizuguchi, and Jacob Ruff	
Electronic structure of a thermoelectric material: BiCuSO (9 pages)	245121
D. Pei, Y.-Y. Lv, Y. Y. Y. Xia, Y. W. Li, J. Y. Liu, N. B. M. Schröter, C. Cacho, Z. K. Liu, L. X. Yang, G. Li, Y. B. Chen, and Y. L. Chen	
Polaronic transport and thermoelectricity in Mn ₃ Si ₂ Te ₆ single crystals (7 pages)	245122
Yu Liu (刘育), Zhixiang Hu (胡之翔), Milinda Abeykoon, Eli Stavitski, Klaus Attenkofer, Eric D. Bauer, and C. Petrovic	
Impact of partially bosonized collective fluctuations on electronic degrees of freedom (18 pages)	245123
V. Harkov, M. Vandelli, S. Brener, A. I. Lichtenstein, and E. A. Stepanov	
Pushing and pulling optical pressure control with plasmonic surface waves (16 pages)	245124
Li-Fan Yang and Kevin J. Webb	

(Continued)

Accurate ground-state energies of Wigner crystals from a simple real-space approach (<i>7 pages</i>)	245125
Estefania Alves, Gian Luigi Bendazzoli, Stefano Evangelisti, and J. Arjan Berger	
Perovskite-type YRh_3B with multiple types of nodal point and nodal line states (<i>7 pages</i>)	245126
Feng Zhou, Chaoxi Cui, Jianhua Wang, Minquan Kuang, Tie Yang, Zhi-Ming Yu, Xiaotian Wang, Gang Zhang, and Zhenxiang Cheng	
 Topological correspondence between magnetic space group representations and subdimensions (<i>21 pages</i>)	245127
Adrien Bouhon, Gunnar F. Lange, and Robert-Jan Slager	
 Multipolar topological field theories: Bridging higher order topological insulators and fractons (<i>28 pages</i>)	245128
Yizhi You, F. J. Burnell, and Taylor L. Hughes	
Electronic and heat transport phenomena in the nanogranular thiospinel Fe_3S_4 (<i>17 pages</i>)	245129
Karel Knížek, Miroslav Soroka, Ondřej Kaman, Jarmila Kuličková, Petr Levinský, Jiří Hejtmánek, and Zdeněk Jirák	
Ground-state features and spectral properties of large polaron liquids from low to high charge densities (<i>15 pages</i>)	245130
C. A. Perroni, G. De Filippis, and V. Cataudella	
Electronic structure of $\text{Tb}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ (<i>12 pages</i>)	245131
T. Ly Nguyen, J. Rubio-Zuazo, G. R. Castro, F. M. F. de Groot, N. Hariharan, S. Elizabeth, M. Oura, Y. C. Tseng, H. J. Lin, and A. Chainani	
Magnetic anisotropy from linear defect structures in correlated electron systems (<i>9 pages</i>)	245132
Mainak Pal, Laetitia Bettmann, Andreas Kreisel, and P. J. Hirschfeld	
Probing charge density wave phases and the Mott transition in $1T\text{-TaS}_2$ by inelastic light scattering (<i>10 pages</i>) . . .	245133
S. Djurdjić Mijin, A. Baum, J. Bekaert, A. Šolajić, J. Pešić, Y. Liu, Ge He, M. V. Milošević, C. Petrovic, Z. V. Popović, R. Hackl, and N. Lazarević	
Anderson localization effects on the doped Hubbard model (<i>9 pages</i>)	245134
Nathan Giovanni, Marcello Civelli, and Maria C. O. Aguiar	
Quantum-critical properties of the long-range transverse-field Ising model from quantum Monte Carlo simulations (<i>18 pages</i>)	245135
Jan Alexander Koziol, Anja Langheld, Sebastian C. Kapfer, and Kai Phillip Schmidt	
Hybrid fracton phases: Parent orders for liquid and nonliquid quantum phases (<i>27 pages</i>)	245136
Nathanan Tantivasadakarn, Wenjie Ji, and Sagar Vijay	
Truncation effects in the charge representation of the $\text{O}(2)$ model (<i>15 pages</i>)	245137
Jin Zhang, Y. Meurice, and S.-W. Tsai	
Generation of odd-frequency surface superconductivity with spontaneous spin current due to the zero-energy Andreev bound state (<i>9 pages</i>)	245138
Shun Matsubara, Yukio Tanaka, and Hiroshi Kontani	
Low-temperature thermodynamics of the antiferromagnetic $J_1 - J_2$ model: Entropy, critical points, and spin gap (<i>11 pages</i>)	245139
Sudip Kumar Saha, Manodip Routh, Manoranjan Kumar, and Zoltán G. Soos	

(Continued)

Solid state core-exciton dynamics in NaCl observed by tabletop attosecond four-wave mixing spectroscopy (<i>12 pages</i>)	245140
James D. Gaynor, Ashley P. Fidler, Yen-Cheng Lin, Hung-Tzu Chang, Michael Zuerch, Daniel M. Neumark, and Stephen R. Leone	
Symmetry-protected nodal points and nodal lines in magnetic materials (<i>56 pages</i>)	245141
Jian Yang, Chen Fang, and Zheng-Xin Liu	
Measuring spin-polarized electronic states of quantum materials: <i>2H</i> -NbSe ₂ (<i>9 pages</i>)	245142
Chiara Bigi, Federico Mazzola, Jun Fujii, Ivana Vobornik, Giancarlo Panaccione, and Giorgio Rossi	
Fast, efficient, and accurate dielectric screening using a local real-space approach (<i>24 pages</i>)	245143
John Vinson and Eric L. Shirley	
 Quasi-four-component method with numeric atom-centered orbitals for relativistic density functional simulations of molecules and solids (<i>29 pages</i>)	245144
Rundong Zhao, Victor Wen-zhe Yu, Kimberly Zhang, Yunlong Xiao, Yong Zhang, and Volker Blum	
Mott breakdown effect in spinel MgTi _{1.2} V _{0.8} O ₄ (<i>6 pages</i>)	245145
A. Rahaman, T. Paramanik, R. K. Maurya, K. Yadav, R. Bindu, K. Mukherjee, and D. Choudhury	
Unification of topological invariants in Dirac models (<i>10 pages</i>)	245146
Gero von Gersdorff, Shahram Panahyan, and Wei Chen	

Semiconductors I: bulk

Enhancing magnetic dipole emission in Eu-doped SrMO ₃ (<i>M</i> = Ti, Zr, Hf): First-principles calculations (<i>6 pages</i>)	245201
Mu Lan, Rong Wang, Zeng-Hui Yang, Xiaofeng Wang, Song Sun, and Su-Huai Wei	
Carrier-stabilized hexagonal Ge (<i>6 pages</i>)	245202
Xuefen Cai, Hui-Xiong Deng, and Su-Huai Wei	
Hyperfine and nuclear quadrupole splitting of the NV ⁻ ground state in <i>4H</i> -SiC (<i>9 pages</i>)	245203
F. F. Murzakhonov, B. V. Yavkin, G. V. Mamin, S. B. Orlinskii, H. J. von Bardeleben, T. Biktairov, U. Gerstmann, and V. A. Soltamov	
Analytic expression for the charge carried by a locally excited Bloch state (<i>10 pages</i>)	245204
István Magashegyi, Katalin Oltyán, and Péter Földi	
Hot electron cooling in InSb probed by ultrafast time-resolved terahertz cyclotron resonance (<i>14 pages</i>)	245205
Chelsea Q. Xia, Maurizio Monti, Jessica L. Boland, Laura M. Herz, James Lloyd-Hughes, Marina R. Filip, and Michael B. Johnston	
Eshelby-twisted three-dimensional moiré superlattices (<i>7 pages</i>)	245206
Zhigang Song, Xiaotian Sun, and Lin-Wang Wang	

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

Quantum phases of a weakly disordered Josephson ladder (<i>15 pages</i>)	245301
Eyal Walach and Efrat Shimshoni	
Theory of the nonreciprocal Josephson effect (<i>10 pages</i>)	245302
Kou Misaki and Naoto Nagaosa	

(Continued)

Protecting quantum information in quantum dot spin chains by driving exchange interactions periodically (<i>13 pages</i>)	245303
John S. Van Dyke, Yadav P. Kandel, Haifeng Qiao, John M. Nichol, Sophia E. Economou, and Edwin Barnes	
Light hole states in a strained quantum dot: Numerical calculation and phenomenological models (<i>18 pages</i>)	245304
K. Moratis, J. Cibert, D. Ferrand, and Y.-M. Niquet	
Topological ring-cavity laser formed by honeycomb photonic crystals (<i>14 pages</i>)	245305
Xiao-Chen Sun and Xiao Hu	
Understanding the mechanism of tunable-barrier single-electron pumping: Mechanism crossover and optimal accuracy (<i>14 pages</i>)	245306
Gento Yamahata, Nathan Johnson, and Akira Fujiwara	
Signatures of dephasing by mirror-symmetry breaking in weak-antilocalization magnetoresistance across the topological transition in $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$ (<i>12 pages</i>)	245307
Alexander Kazakov, Wojciech Brzezicki, Timo Hyart, Bartłomiej Turowski, Jakub Polaczyński, Zbigniew Adamus, Marta Aleszkiewicz, Tomasz Wojciechowski, Jarosław Z. Domagala, Ondřej Čaha, Andrei Varykhalov, Gunther Springholz, Tomasz Wojtowicz, Valentine V. Volobuev, and Tomasz Dietl	
Zeeman-driven parity transitions in an Andreev quantum dot (<i>9 pages</i>)	245308
A. M. Whiticar, A. Fornieri, A. Banerjee, A. C. C. Drachmann, S. Gronin, G. C. Gardner, T. Lindemann, M. J. Manfra, and C. M. Marcus	
Magnetic field asymmetry of transport dynamics in a Coulomb-coupled quantum point contact (<i>8 pages</i>)	245309
Jianhong He, Huazhong Guo, Xiaokai Yue, and Jie Gao	
Replication of band structure in an arbitrary wave vector by holographic modulation (<i>12 pages</i>)	245310
Yoshitaka Kurosaka, Kazuyoshi Hirose, Hiroki Kamei, and Takahiro Sugiyama	
Confined Friedel oscillations on Au(111) terraces probed by thermovoltage scanning tunneling microscopy (<i>6 pages</i>)	245311
Kai Soththwes, Michiel Nijmeijer, and Harold J. W. Zandvliet	
Surface physics, nanoscale physics, low-dimensional systems	
Quantum proton entanglement on a nanocrystalline silicon surface (<i>9 pages</i>)	245401
Takahiro Matsumoto, Hidehiko Sugimoto, Takashi Ohhara, Akio Tokumitsu, Makoto Tomita, and Susumu Ikeda	
Impurity-band optical transitions in two-dimensional Dirac materials under strain-induced synthetic magnetic field (<i>8 pages</i>)	245402
M. V. Boev, I. G. Savenko, and V. M. Kovalev	
Interlayer ferromagnetism and high-temperature quantum anomalous Hall effect in p -doped MnBi_2Te_4 multilayers (<i>10 pages</i>)	245403
Yulei Han, Shiyang Sun, Shifei Qi, Xiaohong Xu, and Zhenhua Qiao	
Spectroscopic study of gap-surface plasmons in a metallic convex groove array and their applications in nanofocusing and plasmonic sensing (<i>7 pages</i>)	245404
Daimin Li, Jun-Yu Ou, Peng Xie, Zhengchen Liang, Wei Wang, Wenxin Wang, Hong Zhang, and Xiaoyu Kuang	

(Continued)

Effective narrow ladder model for two quantum wires on a semiconducting substrate (<i>13 pages</i>)	245405
Anas Abdelwahab and Eric Jeckelmann	
Nonperturbative quasiclassical theory of graphene photoconductivity (<i>11 pages</i>)	245406
S. A. Mikhailov	
Multilevel effects in quantum dot based parity-to-charge conversion of Majorana box qubits (<i>14 pages</i>)	245407
Jens Schulenburg, Michele Burrello, Martin Leijnse, and Karsten Flensberg	
Magnetizations and de Haas-van Alphen oscillations in massive Dirac fermions (<i>14 pages</i>)	245408
F. R. Pratama, M. Shoufie Ukhtary, and Riichiro Saito	
Three-dimensional quantum Hall effect in the excitonic phase of a Weyl semimetal (<i>6 pages</i>)	245409
Mingqi Chang and Li Sheng	
Strong in-plane anisotropy in the electronic properties of doped transition metal dichalcogenides exhibited in $W_{1-x}Nb_xS_2$ (<i>9 pages</i>)	245410
Siow Mean Loh, Xue Xia, Neil R. Wilson, and Nicholas D. M. Hine	
Ultralong lifetime for fully photogenerated spin-polarized current in two-dimensional ferromagnetic/nonmagnetic semiconductor heterostructures (<i>9 pages</i>)	245411
Zhaobo Zhou, Xiwen Zhang, Yilv Guo, Yehui Zhang, Xianghong Niu, Liang Ma, and Jinlan Wang	
Pauli spin blockade with site-dependent g tensors and spin-polarized leads (<i>8 pages</i>)	245412
Philipp M. Mutter and Guido Burkard	
Topological transformations in hyperuniform pentagonal two-dimensional materials induced by Stone-Wales defects (<i>8 pages</i>)	245413
Yu Zheng, Duyu Chen, Lei Liu, Yu Liu, Mohan Chen, Houlong Zhuang, and Yang Jiao	
Heat capacity of nonequilibrium electron-hole plasma in graphene layers and graphene bilayers (<i>6 pages</i>)	245414
V. Ryzhii, M. Ryzhii, T. Otsuji, V. Mitin, and M. S. Shur	
Strong bulk photovoltaic effect and second-harmonic generation in two-dimensional selenium and tellurium (<i>15 pages</i>)	245415
Meijuan Cheng, Zi-Zhong Zhu, and Guang-Yu Guo	
Magnetic field induced formation of a stationary charge density wave in a conducting Möbius stripe (<i>6 pages</i>)	245416
Sevak Demirchyan and Alexey Kavokin	
Nonlinear optical response of twisted bilayer graphene (<i>9 pages</i>)	245417
J. W. Zuber and C. Zhang	
Reduction of the twisted bilayer graphene chiral Hamiltonian into a 2×2 matrix operator and physical origin of flat bands at magic angles (<i>10 pages</i>)	245418
Gerardo G. Naumis, Leonardo A. Navarro-Labastida, Enrique Aguilar-Méndez, and Abdiel Espinosa-Champo	
Influence of surface states on the conductance spectra for Co adsorbed on Cu(111) (<i>16 pages</i>)	245419
M. S. Tacca, T. Jacob, and E. C. Goldberg	

(Continued)

Laser stimulation of MoSe ₂ /Au(111) in an STM junction: Photoinduced versus thermally induced current response (7 pages)	245420
Björn Lübken and Niklas Nilius	
Casimir pressure in peptide films on metallic substrates: Change of sign via graphene coating (10 pages)	245421
G. L. Klimchitskaya, V. M. Mostepanenko, and E. N. Velichko	
Tunneling-related electron spin relaxation in self-assembled quantum-dot molecules (13 pages)	245422
Michał Gawęłczyk and Krzysztof Gawarecki	
Modeling carrier mobility in graphene as a sensitive probe of molecular magnets (7 pages)	245423
Andrew Brooks, Tao Jiang, Shuanglong Liu, Duy Le, Talat S. Rahman, Hai-Ping Cheng, and Xiao-Guang Zhang	
Strange metal behavior of the Hall angle in twisted bilayer graphene (11 pages)	245424
Rui Lyu, Zachary Tuchfeld, Nishchhal Verma, Haidong Tian, Kenji Watanabe, Takashi Taniguchi, Chun Ning Lau, Mohit Randeria, and Marc Bockrath	
Propagation mechanism of surface plasmons coupled with surface-enhanced resonant Raman scattering light through a one-dimensional hotspot along a silver nanowire dimer junction (17 pages)	245425
Tamitake Itoh, Yuko S. Yamamoto, and Jeyadevan Balachandran	
Quantum confined Rydberg excitons in Cu ₂ O nanoparticles (6 pages)	245426
Konstantinos Orfanakis, Sai Kiran Rajendran, Hamid Ohadi, Sylwia Zielińska-Raczyńska, Gerard Czajkowski, Karol Karpiński, and David Ziemkiewicz	
Negative correlation between the linear and the nonlinear conductance in magnetic tunnel junctions (7 pages)	245427
Shuichi Iwakiri, Satoshi Sugimoto, Yasuhiro Niimi, Yusuke Kozuka, Yukiko K. Takahashi, Shinya Kasai, and Kensuke Kobayashi	
Spin current generation by edge plasmons in graphene ribbons (8 pages)	245428
M. Shoufie Ukhtary, Yuan Tian, and Riichiro Saito	
Quasiparticle states for integer- and fractional-charged electron wave packets (15 pages)	245429
X. K. Yue and Y. Yin	
Commensurate-incommensurate transition and strain relief patterns in monolayer C ₆₀ on Cd(0001) (6 pages)	245430
Zilong Wang, Kai Sun, Minlong Tao, Daxiao Yang, Mingxia Shi, Zuo Li, and Junzhong Wang	
Optically induced persistent current in carbon nanotubes (8 pages)	245431
O. V. Kibis, M. V. Boev, and V. M. Kovalev	
Valley filter and valley valve based on WSe ₂ double-barrier junctions modulated by polarized light (7 pages)	245432
Danna Liu, Boyao Liu, Ruiyang Yuan, Jun Zheng, and Yong Guo	
Atomic-scale insights into the origin of rectangular lattice in nanographene probed by scanning tunneling microscopy (9 pages)	245433
Junhuan Li, Shaoxian Li, Tomoki Higashi, Kentaro Kawai, Kouji Inagaki, Kazuya Yamamura, and Kenta Arima	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 103, NUMBER 24

JUNE 2021-15(II)

Three-dimensional quantum Hall effect in Weyl semimetals (<i>5 pages</i>)	245434
Mingqi Chang, Hao Geng, Li Sheng, and D. Y. Xing	
Spin- and valley-polarized transport and magnetoresistance in asymmetric ferromagnetic WSe ₂ tunnel junctions (<i>10 pages</i>)	245435
Yaser Hajati, Mohammad Alipourzadeh, and Imam Makhfudz	

COMMENTS

Comment on “ <i>Ab initio</i> calculation of the shift photocurrent by Wannier interpolation” (<i>4 pages</i>)	247101
Jae-Mo Lihm	