

RAPID COMMUNICATIONS

Electronic structure and strongly correlated systems

- Symmetry-protected exceptional rings in two-dimensional correlated systems with chiral symmetry (5 pages) 121101(R)
Tsuneya Yoshida, Robert Peters, Norio Kawakami, and Yasuhiro Hatsugai
- ☞ Rod motifs in neutron scattering in spin ice (5 pages) 121102(R)
Claudio Castelnovo and Roderich Moessner
- Crossover of correlation functions near a quantum impurity in a Tomonaga-Luttinger liquid (5 pages) 121103(R)
Chung-Yu Lo (羅中佑), Yoshiki Fukusumi (福住吉喜), Masaki Oshikawa (押川正毅),
Ying-Jer Kao (高英哲), and Pochung Chen (陳柏中)
- Machine learning of quantum phase transitions (6 pages) 121104(R)
Xiao-Yu Dong, Frank Pollmann, and Xue-Feng Zhang (张学锋)
- Custodial glide symmetry of quantum spin Hall edge modes in monolayer WTe₂ (5 pages) 121105(R)
Seulgi Ok, Lukas Muechler, Domenico Di Sante, Giorgio Sangiovanni, Ronny Thomale, and Titus Neupert
- Quadratic and cubic nodal lines stabilized by crystalline symmetry (5 pages) 121106(R)
Zhi-Ming Yu, Weikang Wu, Xian-Lei Sheng, Y. X. Zhao, and Shengyuan A. Yang
- Dynamical quantum phase transitions in collapse and revival oscillations of a quenched superfluid (6 pages) 121107(R)
Mateusz Lacki and Markus Heyl
- Discommensuration-driven superconductivity in the charge density wave phases of transition-metal dichalcogenides (5 pages) 121108(R)
Chuan Chen, Lei Su, A. H. Castro Neto, and Vitor M. Pereira
- ☞ Ferromagnetic ordering along the hard axis in the Kondo lattice YbIr₃Ge₇ (5 pages) 121109(R)
Binod K. Rai, Macy Stavinoha, J. Banda, D. Hafner, Katherine A. Benavides, D. A. Sokolov, Julia Y. Chan,
M. Brando, C.-L. Huang, and E. Morosan
- Instability of subdiffusive spin dynamics in strongly disordered Hubbard chain (6 pages) 121110(R)
M. Środa, P. Prelovšek, and M. Mierzejewski
- Semiclassical wave packet dynamics in nonuniform electric fields (5 pages) 121111(R)
Matthew F. Lapa and Taylor L. Hughes



Quasilocalized excitations induced by long-range interactions in translationally invariant quantum spin chains (6 pages)	121112(R)
Alessio Lerose, Bojan Žunkovič, Alessandro Silva, and Andrea Gambassi	
Phase diagram topology of the Haldane-Hubbard-Coulomb model (5 pages)	121113(R)
Igor S. Tupitsyn and Nikolay V. Prokof'ev	
Spin-polaron ladder spectrum of the spin-orbit-induced Mott insulator Sr_2IrO_4 probed by scanning tunneling spectroscopy (5 pages)	121114(R)
Jose M. Guevara, Zhixiang Sun, Ekaterina M. Pärschke, Steffen Sykora, Kaustuv Manna, Johannes Schoop, Andrey Maljuk, Sabine Wurmehl, Jeroen van den Brink, Bernd Büchner, and Christian Hess	
Orbitally selective breakdown of Fermi liquid quasiparticles in $\text{Ca}_{1.8}\text{Sr}_{0.2}\text{RuO}_4$ (6 pages)	121115(R)
D. Sutter, M. Kim, C. E. Matt, M. Horio, R. Fittipaldi, A. Vecchione, V. Granata, K. Hauser, Y. Sassa, G. Gatti, M. Grioni, M. Hoesch, T. K. Kim, E. Rienks, N. C. Plumb, M. Shi, T. Neupert, A. Georges, and J. Chang	
Semiconductors I: bulk	
Origin of n -type conductivity of monolayer MoS_2 (5 pages)	121201(R)
Akash Singh and Abhishek Kumar Singh	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Integer quantum Hall transition on a tight-binding lattice (5 pages)	121301(R)
Martin Puschmann, Philipp Cain, Michael Schreiber, and Thomas Vojta	
Quantized conductance of one-dimensional strongly correlated electrons in an oxide heterostructure (6 pages)	121302(R)
H. Hou, Y. Kozuka, Jun-Wei Liao, L. W. Smith, D. Kos, J. P. Griffiths, J. Falson, A. Tsukazaki, M. Kawasaki, and C. J. B. Ford	
Counterflowing edge current and its equilibration in quantum Hall devices with sharp edge potential: Roles of incompressible strips and contact configuration (7 pages)	121303(R)
T. Akiho, H. Irie, K. Onomitsu, and K. Muraki	
Surface physics, nanoscale physics, low-dimensional systems	
Tunable surface plasmons in Weyl semimetals TaAs and NbAs (6 pages)	121401(R)
Gennaro Chiarello, Johannes Hofmann, Zhilin Li, Vito Fabio, Liwei Guo, Xiaolong Chen, Sankar Das Sarma, and Antonio Politano	
Topologically disordered mesophase at the topmost surface layer of crystalline ice between 120 and 200 K (7 pages)	121402(R)
Toshiki Sugimoto, Yuji Otsuki, Tatsuya Ishiyama, Akihiro Morita, Kazuya Watanabe, and Yoshiyasu Matsumoto	
Buildup of vibron-mediated electron correlations in molecular junctions (5 pages)	121403(R)
R. Avriller, R. Seoane Souto, A. Martín-Rodero, and A. Levy Yeyati	
Quantitative analysis of the electronic decoupling of an organic semiconductor molecule at a metal interface by a monolayer of hexagonal boron nitride (6 pages)	121404(R)
Christine Brülke, Timo Heepenstrick, Ina Krieger, Beatrice Wolff, Xiaosheng Yang, Ali Shamsaddinlou, Simon Weiß, François C. Bocquet, F. Stefan Tautz, Serguei Soubatch, and Moritz Sokolowski	

(Continued)

Massless Dirac fermions in III-V semiconductor quantum wells (<i>6 pages</i>)	121405(R)
S. S. Krishtopenko, W. Desrat, K. E. Spirin, C. Consejo, S. Ruffenach, F. Gonzalez-Posada, B. Jouault, W. Knap, K. V. Maremyanin, V. I. Gavrilenko, G. Boissier, J. Torres, M. Zaknoune, E. Tournié, and F. Teppe	
Induced Ising spin-orbit interaction in metallic thin films on monolayer WSe ₂ (<i>6 pages</i>)	121406(R)
Yingying Wu, James Jun He, Tianyi Han, Shuigang Xu, Zefei Wu, Jiangxiazhi Lin, Ting Zhang, Yuheng He, and Ning Wang	
Unconventional superconductivity in nearly flat bands in twisted bilayer graphene (<i>5 pages</i>)	121407(R)
Bitan Roy and Vladimir Juričić	
Giant lateral optical forces on Rayleigh particles near hyperbolic and extremely anisotropic metasurfaces (<i>6 pages</i>)	121408(R)
N. K. Paul, D. Correias-Serrano, and J. S. Gomez-Diaz	
Nonlocal control of spin-spin correlations in a finite-geometry helical edge (<i>5 pages</i>)	121409(R)
Sonu Verma and Arijit Kundu	
Subdiffusive front scaling in interacting integrable models (<i>7 pages</i>)	121410(R)
Vir B. Bulchandani and Christoph Karrasch	
Non-Hermitian boundary and interface states in nonreciprocal higher-order topological metals and electrical circuits (<i>5 pages</i>)	121411(R)
Motohiko Ezawa	

ARTICLES

Electronic structure and strongly correlated systems

Experimental demonstration and in-depth investigation of analytically designed anomalous reflection metagratings (<i>15 pages</i>)	125101
Oshri Rabinovich, Ilan Kaplon, Jochanan Reis, and Ariel Epstein	
Optical conductivity, Fermi surface, and spin-orbit coupling effects in Sr ₂ RhO ₄ (<i>9 pages</i>)	125102
Guoren Zhang and Eva Pavarini	
Topological classification of non-Hermitian systems with reflection symmetry (<i>11 pages</i>)	125103
Chun-Hui Liu, Hui Jiang, and Shu Chen	
Pressure-induced evolution of structural and electronic properties in TiTe ₂ (<i>6 pages</i>)	125104
Yonghui Zhou, Chunhua Chen, Ying Zhou, Xuliang Chen, Chuanchuan Gu, Chao An, Bowen Zhang, Yifang Yuan, Hao Wu, Ranran Zhang, Lili Zhang, Xiangde Zhu, Xiaoping Yang, and Zhaorong Yang	
Infrared spectroscopic measurements of structural transition and charge dynamics in 1T-TiTe ₂ under pressure (<i>8 pages</i>)	125105
U. Dutta, S. Sahoo, P. S. Malavi, F. Piccirilli, P. Di Pietro, A. Perucchi, S. Lupi, and S. Karmakar	
Renormalization group flows for Wilson-Hubbard matter and the topological Hamiltonian (<i>17 pages</i>)	125106
E. Tirrito, M. Rizzi, G. Sierra, M. Lewenstein, and A. Bermudez	
First-principles calculations of photoluminescence and defect states of Ce ³⁺ -doped (Ca/Sr) ₂ B ₅ O ₉ Cl (<i>12 pages</i>)	125107
Jiajia Cai, Weiguo Jing, Jun Cheng, Yongfan Zhang, Yonghu Chen, Min Yin, Yau-Yuen Yeung, and Chang-Kui Duan	

(Continued)

Chiral topological states in Bose-Fermi mixtures (<i>9 pages</i>)	125108
Ying-Hai Wu	
Charge-carrier behavior in Ba-, Sr- and Yb-filled CoSb ₃ : NMR and transport studies (<i>8 pages</i>)	125109
Yefan Tian, Ali A. Sirusi, Sedat Ballikaya, Nader Ghassemi, Ctirad Uher, and Joseph H. Ross, Jr.	
Electronic and magnetic properties of the double perovskites La ₂ MnRuO ₆ and LaAMnFeO ₆ ($A = \text{Ba, Sr, Ca}$) and their potential for magnetic refrigeration (<i>9 pages</i>)	125110
C. Gauvin-Ndiaye, A.-M. S. Tremblay, and R. Nourafkan	
Parquet approximation for molecules: Spectrum and optical conductivity of the Pariser-Parr-Pople model (<i>12 pages</i>)	125111
P. Pudleiner, P. Thunström, A. Valli, A. Kauch, G. Li, and K. Held	
Three-dimensional Fermi surface and electron-phonon coupling in semimetallic 1T- TiTe ₂ studied by angle-resolved photoemission spectroscopy (<i>6 pages</i>)	125112
Xiao-Fang Tang, Yu-Xia Duan, Fan-Ying Wu, Shu-Yu Liu, Chen Zhang, Yin-Zou Zhao, Jiao-Jiao Song, Yang Luo, Qi-Yi Wu, Jun He, H. Y. Liu, Wen Xu, and Jian-Qiao Meng	
Site and orbital selective correlations in β -Pu (<i>7 pages</i>)	125113
W. H. Brito and G. Kotliar	
Model Hamiltonian for strongly correlated systems: Systematic, self-consistent, and unique construction (<i>17 pages</i>)	125114
Ryan Requist and E. K. U. Gross	
Topological bulk band structures of the hourglass and Dirac nodal-loop types in Ce Kondo systems: CeNiSn, CeRhAs, and CeRhSb (<i>6 pages</i>)	125115
T.-S. Nam, Chang-Jong Kang, D.-C. Ryu, Junwon Kim, Heejung Kim, Kyoo Kim, and B. I. Min	
Role of nonlinearities in topological protection: Testing magnetically coupled fidget spinners (<i>13 pages</i>)	125116
Javier Vila, Glaucio H. Paulino, and Massimo Ruzzene	
 Reliable methods for seamless stitching of tight-binding models based on maximally localized Wannier functions (<i>16 pages</i>)	125117
Jae-Mo Lihm and Cheol-Hwan Park	
Topological transport in the steady state of a quantum particle with dissipation (<i>10 pages</i>)	125118
Michael J. Kastoryano and Mark S. Rudner	
Band-selective clean-limit and dirty-limit superconductivity with nodeless gaps in the bilayer iron-based superconductor CsCa ₂ Fe ₄ As ₄ F ₂ (<i>5 pages</i>)	125119
B. Xu, Z. C. Wang, E. Sheveleva, F. Lyzwa, P. Marsik, G. H. Cao, and C. Bernhard	
Emergence of metallic monoclinic states of VO ₂ films induced by K deposition (<i>7 pages</i>)	125120
D. Shiga, M. Minohara, M. Kitamura, R. Yukawa, K. Horiba, and H. Kumigashira	
NMR and <i>ab initio</i> study of gallium metal under pressure (<i>9 pages</i>)	125121
R. Řezníček, V. Chlan, and J. Haase	
Fragile topological phases in interacting systems (<i>13 pages</i>)	125122
Dominic V. Else, Hoi Chun Po, and Haruki Watanabe	

(Continued)

Lattice Monte Carlo for quantum Hall states on a torus (<i>13 pages</i>)	125123
Jie Wang, Scott D. Geraedts, E. H. Rezayi, and F. D. M. Haldane	
Monopole mining method for high-throughput screening for Weyl semimetals (<i>7 pages</i>)	125124
Vsevolod Ivanov and Sergey Y. Savrasov	
Vacancy mediated magnetization and healing of a graphene monolayer (<i>12 pages</i>)	125125
E. Nakhmedov, E. Nadimi, S. Vedaiei, O. Alekperov, F. Tatardar, A. I. Najafov, I. I. Abbasov, and A. M. Saletsky	
Nonsaturating large magnetoresistance in the high carrier density nonsymmorphic metal CrP (<i>6 pages</i>)	125126
Q. Niu, W. C. Yu, E. I. Paredes Aulestia, Y. J. Hu, Kwing To Lai, H. Kotegawa, E. Matsuoka, H. Sugawara, H. Tou, D. Sun, F. F. Balakirev, Y. Yanase, and Swee K. Goh	
Pressure-induced collapse of the spin-orbital Mott state in the hyperhoneycomb iridate β -Li ₂ IrO ₃ (<i>7 pages</i>)	125127
T. Takayama, A. Krajewska, A. S. Gibbs, A. N. Yaresko, H. Ishii, H. Yamaoka, K. Ishii, N. Hiraoka, N. P. Funnell, C. L. Bull, and H. Takagi	
Static subspace approximation for the evaluation of G_0W_0 quasiparticle energies within a sum-over-bands approach (<i>16 pages</i>)	125128
Mauro Del Ben, Felipe H. da Jornada, Gabriel Antonius, Tonatiuh Rangel, Steven G. Louie, Jack Deslippe, and Andrew Canning	
Universal $d = 1$ flat band generator from compact localized states (<i>15 pages</i>)	125129
Wulayimu Maimaiti, Sergej Flach, and Alexei Andreanov	
Frustrated magnetism from local moments in FeSe (<i>8 pages</i>)	125130
Harrison Ruiz, Yao Wang, Brian Moritz, Andreas Baum, Rudi Hackl, and Thomas P. Devereaux	
Topological band evolution between Lieb and kagome lattices (<i>9 pages</i>)	125131
Wei Jiang, Meng Kang, Huaqing Huang, Hongxing Xu, Tony Low, and Feng Liu	
Braiding and gapped boundaries in fracton topological phases (<i>16 pages</i>)	125132
Daniel Bulmash and Thomas Iadecola	
Variation in the nature of the neutral-ionic transition in DMTTF-QCl ₄ under pressure probed by NQR and NMR (<i>9 pages</i>)	125133
K. Sunami, F. Iwase, K. Miyagawa, S. Horiuchi, K. Kobayashi, R. Kumai, and K. Kanoda	
Weak antilocalization in quasi-two-dimensional electronic states of epitaxial LuSb thin films (<i>8 pages</i>)	125134
Shouvik Chatterjee, Shoaib Khalid, Hadass S. Inbar, Aranya Goswami, Felipe Crasto de Lima, Abhishek Sharan, Fernando P. Sabino, Tobias L. Brown-Heft, Yu-Hao Chang, Alexei V. Fedorov, Dan Read, Anderson Janotti, and Christopher J. Palmstrøm	
Non-Abelian bosonization and modular transformation approach to superuniversality (<i>11 pages</i>)	125135
Aaron Hui, Eun-Ah Kim, and Michael Mulligan	
Fermi surface properties of the bifunctional organic metal κ -(BETS) ₂ Mn[N(CN) ₂] ₃ near the metal-insulator transition (<i>14 pages</i>)	125136
V. N. Zverev, W. Biberacher, S. Oberbauer, I. Sheikin, P. Alemany, E. Canadell, and M. V. Kartsovnik	
X-ray photoemission spectroscopy in the Falicov-Kimball model (<i>9 pages</i>)	125137
Nandan Pakhira, A. M. Shvaika, and J. K. Freericks	

(Continued)

Interaction-enhanced integer quantum Hall effect in disordered systems (<i>10 pages</i>)	125138
Jun-Hui Zheng, Tao Qin, and Walter Hofstetter	
Thickness dependence of electron-electron interactions in topological <i>p-n</i> junctions (<i>6 pages</i>)	125139
Dirk Backes, Danhong Huang, Rhodri Mansell, Martin Lanius, Jörn Kampmeier, David Ritchie, Gregor Mussler, Godfrey Gumbs, Detlev Grützmacher, and Vijay Narayan	
Fundamental gaps of quantum dots on the cheap (<i>7 pages</i>)	125140
Alberto Guandalini, Carlo A. Rozzi, Esa Räsänen, and Stefano Pittalis	
Ultrafast hot carrier dynamics of ZrTe ₅ from time-resolved optical reflectivity (<i>5 pages</i>)	125141
Xiu Zhang, Hai-Ying Song, X. C. Nie, Shi-Bing Liu, Yang Wang, Cong-Ying Jiang, Shi-Zhong Zhao, Genfu Chen, Jian-Qiao Meng, Yu-Xia Duan, and H. Y. Liu	
Negative longitudinal magnetoresistance as a sign of a possible chiral magnetic anomaly in the half-Heusler antiferromagnet DyPdBi (<i>7 pages</i>)	125142
Orest Pavlosiuk, Dariusz Kaczorowski, and Piotr Wiśniewski	
Cooperative emission mediated by cooperative energy transfer to a plasmonic antenna (<i>9 pages</i>)	125143
Tigran V. Shahbazyan	
Relaxing Kondo-screened Kramers doublets in CeRhSi ₃ (<i>10 pages</i>)	125144
J. Pásztorová, A. Howell, M. Songvilay, P. M. Sarte, J. A. Rodriguez-Rivera, A. M. Arévalo-López, K. Schmalzl, A. Schneidewind, S. R. Dunsiger, D. K. Singh, C. Petrovic, R. Hu, and C. Stock	
Fermi-liquid ground state of interacting Dirac fermions in two dimensions (<i>10 pages</i>)	125145
Kazuhiro Seki, Yuichi Otsuka, Seiji Yunoki, and Sandro Sorella	
Optical response of Luttinger semimetals in the normal and superconducting states (<i>15 pages</i>)	125146
Igor Boettcher	
Universal dielectric response across a continuous metal-insulator transition (<i>7 pages</i>)	125147
Prosenjit Haldar, M. S. Laad, and S. R. Hassan	
Plasmon-polaron of the topological metallic surface states (<i>4 pages</i>)	125148
Alex Shvonski, Jiantao Kong, and Krzysztof Kempa	
☞ Three-dimensional superconductors with hybrid higher-order topology (<i>13 pages</i>)	125149
Nick Bultinck, B. Andrei Bernevig, and Michael P. Zaletel	
Renormalized dispersing multiplets in the spectrum of nearly Mott localized systems (<i>11 pages</i>)	125150
Yashar Komijani, Karen Hallberg, and Gabriel Kotliar	
Heterostructures of graphene and hBN: Electronic, spin-orbit, and spin relaxation properties from first principles (<i>16 pages</i>)	125151
Klaus Zollner, Martin Gmitra, and Jaroslav Fabian	
Hole-localized states in interacting geometrically frustrated systems (<i>9 pages</i>)	125152
F. D. R. Santos and R. G. Dias	
4π and 8π dual Josephson effects induced by symmetry defects (<i>14 pages</i>)	125153
Corneliu Malciu, Leonardo Mazza, and Christophe Mora	

(Continued)

Chemical pressure effect on the optical conductivity of the nodal-line semimetals ZrSiY ($Y = \text{S, Se, Te}$) and ZrGeY ($Y = \text{S, Te}$) (8 pages)	125154
---	--------

J. Ebad-Allah, J. Fernández Afonso, M. Krottenmüller, J. Hu, Y. L. Zhu, Z. Q. Mao,
J. Kuneš, and C. A. Kuntscher

 Topological theory of non-Hermitian photonic systems (15 pages)	125155
---	--------

Mário G. Silveirinha

Semiconductors I: bulk

Ionic and electronic properties of the topological insulator $\text{Bi}_2\text{Te}_2\text{Se}$ investigated via β -detected nuclear magnetic relaxation and resonance of ^8Li (17 pages)	125201
---	--------

Ryan M. L. McFadden, Aris Chatzichristos, Kim H. Chow, David L. Cortie, Martin H. Dehn,
Derek Fujimoto, Masrur D. Hossain, Huiwen Ji, Victoria L. Karner, Robert F. Kiefl, C. D. Philip Levy,
Ruohong Li, Iain McKenzie, Gerald D. Morris, Oren Ofer, Matthew R. Pearson, Monika Stachura,
Robert J. Cava, and W. Andrew MacFarlane

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

Higher-order contributions and nonperturbative effects in the nondegenerate nonlinear optical absorption of semiconductors using a two-band model (13 pages)	125301
--	--------

W.-R. Hannes and T. Meier

Nonequilibrium Green's function picture of nonradiative recombination of the Shockley-Read-Hall type (9 pages)	125302
--	--------

Urs Aeberhard

Coherent excitonic quantum beats in time-resolved photoemission measurements (7 pages)	125303
--	--------

Avinash Rustagi and Alexander F. Kemper

Complete characterization of GaAs gradient-elastic tensors and reconstruction of internal strain in GaAs/AlGaAs quantum dots using nuclear magnetic resonance (9 pages)	125304
---	--------

I. M. Griffiths, H. Huang, A. Rastelli, M. S. Skolnick, and E. A. Chekhovich

Surface superconductivity in a three-dimensional Cd_3As_2 semimetal at the interface with a gold contact (5 pages)	125305
--	--------

O. O. Shvetsov, V. D. Esin, A. V. Timonina, N. N. Kolesnikov, and E. V. Deviatov

Surface physics, nanoscale physics, low-dimensional systems

Spin-orbit coupling and spin relaxation of hole states in [001]- and [111]-oriented quantum dots of various geometry (9 pages)	125401
--	--------

Krzysztof Gawarecki and Mateusz Krzykowski

Role of one-dimensional defects in the electrical transport through $\text{Si}(111)\text{-}7 \times 7$ surface states (5 pages)	125402
---	--------

Masayuki Hamada and Yukio Hasegawa

 Chiral Casimir forces: Repulsive, enhanced, tunable (10 pages)	125403
--	--------

Qing-Dong Jiang and Frank Wilczek

Transport of a persistent spin helix drifting transverse to the spin texture (6 pages)	125404
--	--------

F. Passmann, A. D. Bristow, J. N. Moore, G. Yusa, T. Mano, T. Noda, M. Betz, and S. Anghel

Optical orientation with linearly polarized light in transition metal dichalcogenides (17 pages)	125405
--	--------

G. Catarina, J. Have, J. Fernández-Rossier, and N. M. R. Peres

(Continued)

Quantum interference in transport through almost symmetric double quantum dots (<i>12 pages</i>)	125406
Zeng-Zhao Li and Martin Leijnse	
Straintronics beyond homogeneous deformation (<i>17 pages</i>)	125407
R. Gupta, F. Rost, M. Fleischmann, S. Sharma, and S. Shallcross	
Second-harmonic generation in nanostructured metamaterials (<i>11 pages</i>)	125408
Ulises R. Meza, Bernardo S. Mendoza, and W. Luis Mochán	
Hybrid superlattices of graphene and hexagonal boron nitride: A ferromagnetic semiconductor at room temperature (<i>9 pages</i>)	125409
Rita Maji and Joydeep Bhattacharjee	
Photoluminescence study of the exciton dynamics at PTCDA/noble-metal interfaces (<i>11 pages</i>)	125410
Klaus Stallberg, Andreas Namgalies, and Ulrich Höfer	
Energetics of the complex phase diagram of a tunable bilayer graphene probed by quantum capacitance (<i>7 pages</i>)	125411
Manabendra Kuiri and Anindya Das	
Anderson-Bogoliubov and Carlson-Goldman modes in counterflow superconductors: Case study of a double monolayer graphene (<i>12 pages</i>)	125412
K. V. Germash and D. V. Fil	
Bayesian estimation for quantum sensing in the absence of single-shot detection (<i>7 pages</i>)	125413
Hossein T. Dinani, Dominic W. Berry, Raul Gonzalez, Jeronimo R. Maze, and Cristian Bonato	
Localization trajectory and Chern-Simons axion coupling for bilayer quantum anomalous Hall systems (<i>10 pages</i>)	125414
Si-Si Wang, Yan-Yang Zhang, Ji-Huan Guan, Yan Yu, Yang Xia, and Shu-Shen Li	
Electron-phonon cooling power in Anderson insulators (<i>7 pages</i>)	125415
M. V. Feigel'man and V. E. Kravtsov	
Optical binding via surface plasmon polariton interference (<i>11 pages</i>)	125416
Natalia Kostina, Mihail Petrov, Aliaksandra Ivinskaya, Sergey Sukhov, Andrey Bogdanov, Ivan Toftul, Manuel Nieto-Vesperinas, Pavel Ginzburg, and Alexander Shalin	
Control of superconducting pairing symmetries in monolayer black phosphorus (<i>10 pages</i>)	125417
Mohammad Alidoust, Morten Willatzen, and Antti-Pekka Jauho	
Analytical theory of second harmonic generation from a nanowire with noncentrosymmetric geometry (<i>10 pages</i>)	125418
Raksha Singla and W. Luis Mochán	
Terahertz shifted optical sideband generation in graphene (<i>9 pages</i>)	125419
Ashutosh Singh, Saikat Ghosh, and Amit Agarwal	
Peak splitting and locking behavior arising from Fano interference between localized surface plasmons and cavity modes (<i>5 pages</i>)	125420
Penggang Li, Li Ji, Na Gao, He Wang, Shucheng Ge, Kai Huang, Junyong Kang, and Edward T. Yu	
Many-body theory of optical absorption in doped two-dimensional semiconductors (<i>15 pages</i>)	125421
Yao-Wen Chang and David R. Reichman	

(Continued)

Berry phase induced valley level crossing in bilayer graphene quantum dots (<i>11 pages</i>)	125422
Zhe Hou, Yan-Feng Zhou, X. C. Xie, and Qing-Feng Sun	
Origins of asymmetric charge transport properties of weakly coupled molecular junctions (<i>9 pages</i>)	125423
Dexian Sun, Li Li, Xi Yu, and Guangjun Tian	
Interlayer hybridization and moiré superlattice minibands for electrons and excitons in heterobilayers of transition-metal dichalcogenides (<i>24 pages</i>)	125424
David A. Ruiz-Tijerina and Vladimir I. Fal'ko	
Finite-size Kosterlitz-Thouless transition in 2DXY Fe/W(001) ultrathin films (<i>8 pages</i>)	125425
J. Atchison, A. Bhullar, B. Norman, and D. Venus	
Tunable circular dipolelike system in graphene: Mixed electron-hole states (<i>9 pages</i>)	125426
R. Van Pottelberge and F. M. Peeters	
Subkelvin lateral thermal transport in diffusive graphene (<i>6 pages</i>)	125427
A. W. Draelos, A. Silverman, B. Eniwaye, E. G. Arnault, C. T. Ke, M. T. Wei, I. Vlassiuk, I. V. Borzenets, F. Amet, and G. Finkelstein	