

ARTICLES

Electronic structure and strongly correlated systems

Machine learning the local electronic density of states (<i>10 pages</i>)	115101
A. Aryanpour and Ali Sadeghi	
Point-group symmetry enriched topological orders (<i>24 pages</i>)	115102
Zhaoyang Ding and Yang Qi	
Experimental electronic structure of the mineral superconductor covellite CuS (<i>9 pages</i>)	115103
A. Antezak, T. Kato, P. Rezende-Gonçalves, F. Fortuna, M. Rosmus, N. Olszowska, A. F. Santander-Syro, and E. Frantzeskakis	
Quasilocal frustration-free fermions (<i>12 pages</i>)	115104
Shunsuke Sengoku, Hoi Chun Po, and Haruki Watanabe	
 Symmetry analysis of cross-circular and parallel-circular Raman optical activity (<i>11 pages</i>)	115105
Hikaru Watanabe, Rikuto Oiwa, Gakuto Kusuno, Takuya Satoh, and Ryotaro Arita	
Periodic revivals from supersymmetry in a fermionic kinetically constrained model (<i>8 pages</i>)	115107
Wouter Buijsman and Pieter W. Claeys	
Evolution of the pseudogap band structure in a system of electron-correlated lattice polarons (<i>13 pages</i>)	115108
E. I. Shneyder, M. V. Zotova, A. V. Dudarev, S. V. Nikolaev, and S. G. Ovchinnikov	
Role of on-site and intersite Coulomb interactions in KV ₃ Sb ₅ : A first-principles DFT+ <i>U</i> + <i>V</i> study (<i>9 pages</i>)	115109
Indukuru Ramesh Reddy, Sayandeep Ghosh, Bongjae Kim, and Chang-Jong Kang	
Gauging quantum phases: A matrix product state approach (<i>22 pages</i>)	115110
David Blalik, José Garre-Rubio, and Norbert Schuch	
Practical rule for trimming the DFT-1/2 self-interaction: Band gap, absolute band alignment, and defect properties of semiconductors (<i>12 pages</i>)	115111
Chishu Homma, Ryosuke Akashi, Yusuke Nishiya, Shinji Tsuneyuki, and Yu-ichiro Matsushita	
Layer-dependent disorder controlling shift current generation in two-dimensional centrosymmetric systems (<i>8 pages</i>)	115112
Yiwei Zhao, Xiantuo Zhao, Chunmei Zhang, and Jian Zhou	
Accelerating resonant spectroscopy simulations using multishifted biconjugate gradient (<i>10 pages</i>)	115113
Prakash Sharma, Luogen Xu, Fei Xue, and Yao Wang	
Fractional Chern insulators on hyperbolic lattices with singularity (<i>11 pages</i>)	115114
Ai-Lei He, Xu-Hui Yan, Lu Qi, Ying Han, and Yongjun Liu	



(Continued)



2469-9950(20250915)112:11;1-M

Twisted light drives chiral excitations of interacting electrons in nanostructures with a magnetic field (<i>14 pages</i>)	115115
F. J. Rodríguez, L. Quiroga, and N. F. Johnson	
Correlated helimagnetic configuration in a nonsymmorphic magnetic nodal semimetal (<i>9 pages</i>)	115116
Xi Luo, Yu-Ge Chen, Ye-Min Zhan, and Yue Yu	
Emergent topology in thin films of nodal line semimetals (<i>9 pages</i>)	115117
Faruk Abdulla	
Enhanced anomalous Hall conductivity via Ga doping in Mn_3Sn and Mn_3Ge (<i>11 pages</i>)	115118
Chenyue Wen, Danrong Xiong, Chengyi Yang, Dapeng Zhu, and Weisheng Zhao	
Interplay between Jahn-Teller distortions and structural degrees of freedom in pseudocubic states in manganite perovskites (<i>9 pages</i>)	115119
Ben R. M. Tragheim, Elodie A. Harbourne, Clemens Ritter, Andrew L. Goodwin, and Mark S. Senn	
Antiferromagnetism and spin excitations in a two-dimensional non-Hermitian Hatano-Nelson flux model (<i>10 pages</i>)	115120
Eduard Naichuk, Ilya M. Eremin, Jeroen van den Brink, and Flavio S. Nogueira	
Magnons in the strained Heisenberg-Kitaev magnet (<i>13 pages</i>)	115121
Miguel Letelier, Roberto E. Troncoso, and Nicolas Vidal-Silva	
Frustrated Bose ladder with extended range density-density interaction (<i>9 pages</i>)	115122
Sourav Biswas, E. Rico, and Tobias Grass	
Large variation of interlayer coupling and electron hopping in $1T\text{-TaSe}_2$ resolved by angle-resolved photoemission spectroscopy (<i>10 pages</i>)	115123
Y. J. Ren, J. Z. Chen, Z. M. Xin, P. H. Yuan, Y. Zhu, Y. Ou, L. L. Meng, and Y. Zhang	
Electric polarization in Chern insulators: Unifying many-body and single-particle approaches (<i>10 pages</i>)	115124
Yuxuan Zhang and Maissam Barkeshli	
Quantum metric signatures in longitudinal conductivity of dispersive two-band systems (<i>7 pages</i>)	115125
Fenghua Qi, Jie Cao, Yuanyuan Xiang, and Guojun Jin	
Identifying topological excitonic insulators via bulk-edge correspondence (<i>7 pages</i>)	115126
Hongwei Qu, Zeying Zhang, and Yuanchang Li	
Angle-resolved photoemission intensity for multiorbital bands: Complex interplay between the self-energy matrix and the optical matrix elements (<i>12 pages</i>)	115127
Yau Chuen Yam, Mona Berciu, and George A. Sawatzky	
Self-consistent layer-projected scissors operator for band structures of two-dimensional van der Waals materials with large unit cells (<i>11 pages</i>)	115128
Dario A. Leon, Mikael Kuisma, Mikkel Ohm Sauer, Jakob K. Svaneborg, Mark K. Svendsen, Stefano Americo, Kristian Berland, Jens Jørgen Mortensen, and Kristian S. Thygesen	
Planon-modular fracton orders (<i>35 pages</i>)	115129
Evan Wickenden, Marvin Qi, Arpit Dua, and Michael Hermele	
Graphene-hBN interlayer interactions from quantum Monte Carlo (<i>10 pages</i>)	115130
Kittithat Krongchon, Lucas K. Wagner, Tawfikur Rakib, Daniel Palmer, Elif Ertekin, and Harley T. Johnson	

(Continued)

Purified pseudomode model for nonlinear system-bath interactions (<i>14 pages</i>)	115131
Cheng Zhang, Neill Lambert, Xin-Qi Li, Mauro Cirio, and Pengfei Liang	
Two-dimensional nonlinear optical response of a spiral magnet (<i>10 pages</i>)	115132
Wolfram Brenig	
Relativistic Mott transitions and finite-temperature effects of quantum criticality in Dirac semimetals (<i>18 pages</i>)	115133
Mireia Tolosa-Simeón, Laura Classen, and Michael M. Scherer	
Tunable Weyl semimetal states with long Fermi arcs in noncentrosymmetric $RGaGe$ ($R = La, Ce, \text{ and } Pr$) (<i>12 pages</i>)	115134
Huan Li	
Unfolding the kagome lattice to improve understanding of ARPES in $CoSn$ (<i>11 pages</i>)	115135
Véronique Brouet, Aaditya Vedant, François Bertran, Patrick Le Fèvre, and Oleg Rubel	
Itinerant ferromagnetism in an $SU(3)$ Fermi-Hubbard model at finite temperatures: A dynamical mean-field theory study (<i>11 pages</i>)	115136
Juntaro Fujii, Kazuki Yamamoto, and Akihisa Koga	
 Variational scarring in open two-dimensional quantum dots (<i>8 pages</i>)	115137
Fartash Chalangari, Joonas Keski-Rahkonen, Simo Selinunmi, and Esa Räsänen	
Instabilities of layer-polarized and quantum anomalous Hall phases in rhombohedral graphene (<i>29 pages</i>)	115138
Ming Gong and X. C. Xie	
Generalized modulated symmetries in $\mathbb{Z}_2$ topological ordered phases (<i>26 pages</i>)	115139
Gustavo M. Yoshitome, Heitor Casasola, Rodrigo Corso, and Pedro R. S. Gomes	
Superconducting properties of the Ti-doped KV_3Sb_5 kagome compound (<i>9 pages</i>)	115140
Kyryl Shtefiienko, Shengzhi Zhang, Ulises Alonso de la Sierra, Ganesh Pokharel, and Keshav Shrestha	
Graph theory and tunable slow dynamics in quantum East Hamiltonians (<i>18 pages</i>)	115141
Heiko Georg Menzler, Mari Carmen Bañuls, and Fabian Heidrich-Meisner	
Emergent generalized symmetry and maximal symmetry topological order (<i>36 pages</i>)	115142
Arkya Chatterjee, Wenjie Ji, and Xiao-Gang Wen	
Violation of Luttinger's theorem in a one-dimensional system of interacting fermions (<i>10 pages</i>)	115143
Meng Gao and Yin Zhong	
First-principles investigation of elastic and thermodynamic properties of the $U_{1-x}Th_xO_2$ solid solutions ($x = 0, 0.25, 0.5, 0.75, 1$) (<i>13 pages</i>)	115144
Zhiyuan Huang, Lidong Ma, Jianbao Zhang, Dongpeng Hua, Qing Zhou, Lei Yang, and Haifeng Wang	
Pressure-tuned magnetism and band-gap modulation in layered Fe-doped $CrCl_3$ (<i>12 pages</i>)	115145
Mahmoud Abdel-Hafiez, Govindaraj Lingannan, Aya Ali, Lukas Gries, R. Thiyagarajan, Md Ezaz Hasan Khan, Anas Abutaha, T. A. Abdel-Baset, Kei Uemura, Masaki Mito, Vladislav Borisov, Anna Delin, Rüdiger Klingeler, M. S. Ramachandra Rao, and Olle Eriksson	
Temporal modulation of second harmonic generation in ferroelectrics by a pulsed electric field (<i>11 pages</i>)	115146
Atsushi Ono	

(Continued)

Diverse magnetic phase diagram and anomalous Hall effect in antiferromagnetic LuMn_6Sn_6 (10 pages)	115147
Shirin Mozaffari, Seung-Hwan Do, Richa P. Madhugaria, Aikaterini Flessa Savvidou, Brian W. Casas, William R. Meier, Rui Xue, Eun Sang Choi, Luis Balicas, and David G. Mandrus	
Enhancement of dominant d_{xy} -wave pairing in the overdoped Hubbard model with next-nearest hopping t' (7 pages)	115148
Chao Chen, Cong Chen, Kai Li, Xuelei Sui, Wenbo Long, Haibin Yang, and Bing Huang	
Extremely large magnetoresistance and Shubnikov-de Haas oscillations in topological semimetal FeGe_2 (9 pages)	115149
Yuan-Qiao Chen, Wei-Bin Wu, Mei Du, Yi-Wei Fan, Ya-Xun He, Jia-Ying Zhang, Qi-Ling Xiao, Zhe Li, and Jun-Yi Ge	
Augmenting a finite-temperature tensor network with Clifford circuits (8 pages)	115150
Xiangjian Qian, Jiale Huang, and Mingpu Qin	
Topological electronic structure of noncollinear magnetic phases in a multiorbital Hubbard model with spin-orbit interactions (11 pages)	115151
Ying-Lin Li, Po-Hao Chou, and Chung-Yu Mou	
Critical fates induced by the interaction competition in three-dimensional tilted Dirac semimetals (25 pages)	115152
Jing Wang, Jie-Qiong Li, Wen-Hao Bian, Qiao-Chu Zhang, and Xiao-Yue Ren	
 Many-body vertex effects: Time-dependent interaction kernel with correlated multiexcitons in the Bethe-Salpeter equation (9 pages)	115153
Brian Cunningham	
Charge density waves and structural phase transition in the high- T_c superconducting LaH_{10} quantum crystal (13 pages)	115154
Christian Tantardini, Alexander G. Kvashnin, Matteo Giantomassi, Miroslav Iliaš, Boris I. Yakobson, Russell J. Hemley, and Xavier Gonze	
Particle-hole asymmetry and pinball liquid in a triangular-lattice extended Hubbard model within the mean-field approximation (11 pages)	115155
Aleksey Alekseev, Agnieszka Cichy, and Konrad Jerzy Kapcia	
Universal quench dynamics of q -fermion Yukawa-Sachdev-Ye-Kitaev models (20 pages)	115156
Haixin Qiu and Stefan Kehrein	
Kondo effect in a two-dimensional electron gas in the persistent spin helix regime (12 pages)	115157
T. O. Puel, M. A. Manya, G. S. Diniz, E. Vernek, and G. B. Martins	
Magnetic interactions and cluster formation: Boosting surface thermopower in topological insulators (19 pages)	115158
M. Tirgar, H. Barati Abgarmi, and J. Abouie	
Variational wavefunction for a Mott insulator at finite U using ancilla qubits (15 pages)	115159
Boran Zhou, Hui-Ke Jin, and Ya-Hui Zhang	
Hole clustering and mutual interplay in three-band Hubbard model (7 pages)	115160
Yan Peng, Mi Jiang, Yi-feng Yang, and Guang-Ming Zhang	

(Continued)

Semiconductors I: bulk

Time-domain theory of transient heat conduction in the local limit (<i>16 pages</i>)	115201
David E. Crawford, Yi Zeng, Judith Vidal, and Jianjun Dong	
Strain-induced v-shaped modulation of hole mobility in GaN (<i>10 pages</i>)	115202
Jia-Ming Li, Qiao-Lin Yang, Jun-Wei Luo, and Zhi Wang	
Disordered quantum antiferromagnetism in doped semiconductors: Density of states approach (<i>11 pages</i>)	115203
N. A. Bogoslovskiy, P. V. Petrov, and N. S. Averkiev	
Theory of photoconductivity due to optical orientation of electrons in gallium arsenide (<i>7 pages</i>)	115204
M. A. Rakitskii and N. S. Averkiev	

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

Impact of graphene encapsulation on thermodynamics of quantum emitters in hexagonal boron nitride (<i>8 pages</i>)	115301
M. K. Prasad, J. P. Goss, and J. D. Mar	
Snake states at domain walls of magnetic topological insulators (<i>12 pages</i>)	115302
Shuguang Cheng	
Theory of valley splitting in Si/SiGe spin qubits: Interplay of strain, resonances, and random alloy disorder (<i>18 pages</i>)	115303
Abel Thayil, Lasse Ermoneit, and Markus Kantner	
Spin-qubit readout analysis based on a hidden Markov model (<i>14 pages</i>)	115304
Maria Spethmann, Peter Stano, and Daniel Loss	
Higher-order dark solitons and control dynamics in microcavity polariton condensates (<i>7 pages</i>)	115305
Jinming Sun, Manna Chen, Stefan Schumacher, Wei Hu, and Xuekai Ma	
Collapse of edge reconstruction in compressible quantum Hall fluid within filling fraction range $\frac{2}{3}$ to 1 (<i>10 pages</i>)	115306
Suvankar Purkait, Tanmay Maiti, Pooja Agarwal, Suparna Sahoo, Giorgio Biasiol, Lucia Sorba, and Biswajit Karmakar	
Chiral dielectric metasurface with near-unity chirality and ultrahigh Q factors driven by half-integer topological charge (<i>10 pages</i>)	115307
Shiyu Yang, Jin Lv, Honghao Zhou, Jinlin Wang, Hao Wang, Yandong Zhang, Ning Zhu, Shirong Lin, and Fengchun Zhang	
⌘ Undulation-induced moiré superlattices with one-dimensional polarization domains and flat bands in two-dimensional bilayer semiconductors (<i>9 pages</i>)	115308
Xingfu Li, Sunny Gupta, and Boris I. Yakobson	
Hole spin splitting in a Ge quantum dot with finite barriers (<i>17 pages</i>)	115309
Jiawei Wang, Xuedong Hu, and Herbert F. Fotso	
Electric-field-tuned transport properties and Stark effect in two-dimensional Ga ₂ O ₃ and its alloys (<i>13 pages</i>)	115310
Zhihao Xi, Nan Chen, Jincheng Cai, Shutu Li, and Shuwen Zheng	

(Continued)

Spin Meissner effect in systems of coupled polariton condensates (<i>13 pages</i>)	115311
I. Yu. Chestnov, A. Kudlis, A. V. Nalitov, and I. A. Shelykh	
Van der Waals multiferroic tunnel junction with giant tunneling electroresistance and magnetoresistance toward bidirectional photoresponse and photoassisted memory (<i>12 pages</i>)	115312
Zhi Yang, Shen-Ao Qin, Bao-Fu Ruan, Jia-Heng Wang, Bing-Xin Liu, Chuan-Kui Wang, Zong-Liang Li, and Shuai Qiu	
Surface physics, nanoscale physics, low-dimensional systems	
Magnetically tuned topological phase in graphene nanoribbon heterojunctions (<i>9 pages</i>)	115401
Wei-Jian Li, Da-Fei Sun, Sheng Ju, Ai-Lei He, and Yuan Zhou	
Strongly correlated transport in topological Y-junction devices (<i>14 pages</i>)	115402
E. Novais	
Scanning gate microscopy probing of anisotropic electron flow in a two-dimensional electron gas at the (110) LaAlO ₃ /SrTiO ₃ interface: A theoretical investigation (<i>11 pages</i>)	115403
M. P. Nowak, M. Zegrodnik, D. Grzelec, B. Szafran, R. Citro, and P. Wójcik	
Geometric phase controlled second harmonic generation in bilayer metamaterials (<i>7 pages</i>)	115404
Danielle Ben-Haim and Tal Ellenbogen	
Keldysh field theory approach to direct electric and thermoelectric currents in quantum dots coupled to superconducting leads (<i>17 pages</i>)	115405
Marco Uguccione and Luca Dell'Anna	
Emergent topological phases and coexistence of gapless and spectral-localized Floquet quantum spin Hall states via electron-phonon interaction (<i>14 pages</i>)	115406
Srijata Lahiri, Kuntal Bhattacharyya, and Saurabh Basu	
Strain-mediated growth dynamics and electronic structure evolution of Ag films on MoS ₂ (0001) by low-energy electron microscopy (<i>17 pages</i>)	115407
Subrata Paul, Arunava Kar, Shuvankar Das, Smruti Ranjan Mohanty, and Krishnakumar S. R. Menon	
Quantum dot energy levels in bilayer graphene: Exact and approximate study (<i>11 pages</i>)	115408
G. Giavaras	
Thermo-optical tuning of nonmonotonic Casimir potentials arising from the thermal expansion of a liquid (<i>8 pages</i>)	115409
Fangyuan Chen, Zonghuiyi Jiang, Yuquan Zhou, Zepu Kou, Haonan Guan, Wanlin Guo, and Xiaofei Liu	
Nonreciprocal ballistic transport in multilayer Weyl semimetal films with surface engineering (<i>9 pages</i>)	115410
M. H. Zou, R. Ma, S. J. Xu, W. Chen, H. Geng, L. Sheng, and D. Y. Xing	
Coupling between ferroelectricity, Rashba splitting, and band topology enabled by quadruple-well ferroelectrics (<i>8 pages</i>)	115411
Xin Jin, Jinbo Pan, Yu-Yang Zhang, and Shixuan Du	
Interplay of altermagnetic order and Wilson mass in the Dirac equation: Helical edge states without time-reversal symmetry (<i>12 pages</i>)	115412
Yu-Hao Wan, Peng-Yi Liu, and Qing-Feng Sun	

(Continued)

Highly anisotropic spin plasmons in two-dimensional altermagnetic materials (<i>6 pages</i>)	115413
Haotian Sun, Zhihua Zhang, Kehan Liu, Yueheng Du, Lei Sun, and Mingwen Zhao	
Symmetry aspects of Yu-Shiba-Rusinov bands in magnetic atomic chains on a superconductor (<i>18 pages</i>)	115414
Bendegúz Nyári, Philip Beck, András Lászlóffy, Lucas Schneider, Krisztián Palotás, László Szunyogh, Jens Wiebe, Balázs Újfalussy, and Levente Rózsa	
Wannier-function-based approach to coupled exciton-phonon-photon dynamics in two-dimensional semiconductors (<i>40 pages</i>)	115415
Alexander Steinhoff, Frank Jahnke, and Matthias Florian	
Robust cross-chain surface interstitial electronic states and doping-enhanced superconductivity in monolayer M_2N ($M = \text{Ti, Zr, Hf}$) electrides (<i>8 pages</i>)	115416
Da-Bao Zha, Peng Jiang, Yan-Ling Li, and Hai-Qing Lin	
Experimental observation of interconversion of non-Hermitian skin effect and Anderson localization in a nonreciprocal topological circuit based on Aubry-André model (<i>8 pages</i>)	115417
Lianlian Du, Yahong Liu, Miao Shi, Song Wang, Yue He, Xin Zhou, Xiaoyong Yang, Liyun Tao, Kun Song, Zhenfei Li, and Xiaopeng Zhao	
Anomalous transport gaps of fractional quantum Hall phases in graphene Landau levels are induced by spin-valley entangled ground states (<i>11 pages</i>)	115418
Jincheng An, Ajit C. Balram, Udit Khanna, and Ganpathy Murthy	
Topological insulator constrictions: Dirac particles in a magnetochiral box (<i>11 pages</i>)	115419
Michael Barth, Maximilian Fürst, Raphael Kozlovsky, Klaus Richter, and Cosimo Gorini	
Integration of promising piezoelectric and photocatalytic properties in Janus InXY ($X = \text{S, Se, Te; Y} = \text{Cl, Br, I}$) monolayers and their heterojunctions (<i>15 pages</i>)	115420
Xinyue Liu, Ziqiang Li, Yanfeng Ge, Yong Liu, Xing Wang, and Wenhui Wan	
Topological superconductivity in two-dimensional π -junction Dirac semimetals (<i>12 pages</i>)	115421
Yijie Mo, Xiao-Jiao Wang, and Zhongbo Yan	
Thermal transport in rhombohedral boron nitride (<i>10 pages</i>)	115422
Fuwei Yang, Wenjiang Zhou, Tian Gu, Zhibin Zhang, Kexin Zhang, Wujuan Yan, Yuxi Wang, Kaihui Liu, and Bai Song	
Symmetry-protected topological wire in a topological vacuum (<i>24 pages</i>)	115423
Subrata Pachhal and Adhip Agarwala	
Kinetic inductance coupling for circuit QED with spins (<i>9 pages</i>)	115424
S. Günzler, D. Rieger, M. Spiecker, T. Koch, G. A. Timco, R. E. P. Winpenny, I. M. Pop, and W. Wernsdorfer	
Modulation of the first-bright excitonic state in $\text{MoXYN}_4/\text{WXYN}_4$ ($X, Y = \text{Si, Ge}$) Janus heterobilayers (<i>13 pages</i>)	115425
Huiwen Luo, Gencai Guo, Siwei Luo, Chaoyu He, Chao Tang, and Jianxin Zhong	
Electric field induced formation of a two-dimensional adatom gas on cryogenic Li surfaces (<i>8 pages</i>)	115426
Shyam Katnagallu, Samuel Henrique Mattoso, Huan Zhao, Se-Ho Kim, Jing Yang, Baptiste Gault, Christoph Freysoldt, and Jörg Neugebauer	

(Continued)

Strain-induced anomalous Raman shifting in ferroelectric NbOI ₂ (9 pages)	115427
Yuan Yuan Cui, Zunyi Deng, Deng Hu, Tingjun Wang, Guoshai Du, Yabin Chen, Zhiwei Wang, Jiawang Hong, and Xueyun Wang	
Dressed basis sets for the modeling of exchange interactions in double quantum dots (19 pages)	115428
Mauricio J. Rodríguez, Esteban A. Rodríguez-Mena, Ahmad Fouad Kalo, and Yann-Michel Niquet	
Raman fingerprint of the anisotropy transferability in the two-dimensional heterostructure ReS ₂ /WSe ₂ (7 pages)	115429
Yueying Cui, Junming Song, Ting Zheng, Yuwei Xiong, Junpeng Lu, Weiwei Zhao, Fang Yang, Hongwei Liu, and Zhenhua Ni	
Bimodal distribution of delay times and splitting of the zero-bias conductance peak in a double-barrier normal-superconductor junction (7 pages)	115430
C. W. J. Beenakker and V. A. Zakharov	
Probing the nontrivial topological edge states in a Su-Schrieffer-Heeger-type quantum dot chain using finite-frequency shot noise (10 pages)	115431
Hai-Bin Xue and Shu-Qi Xue	
Emergent Weyl-like points in periodically modulated systems (18 pages)	115432
Fang Qin (覃昉) and Rui Chen	
Spin-orbit interaction in tubular prismatic nanowires (12 pages)	115433
Anna Sitek, Sigurdur I. Erlingsson, and Andrei Manolescu	
Internal dynamics and dielectric screening of confined multiexciton states (8 pages)	115434
Josep Planelles, Juan I. Climente, and José L. Movilla	
Intrinsic nonlinear valley Hall physics in $\mathcal{PT}$ -symmetric two-dimensional antiferromagnets (10 pages)	115435
Shivam Sharma and Abir De Sarkar	
Floquet-induced two-dimensional weak topological insulator phase (12 pages)	115436
Jiong-Yi Zhu, Zheng-Rong Liu, Rui Chen, and Bin Zhou	
Theory of tunneling between two-dimensional electron layers driven by spin pumping: Adiabatic regime and beyond (13 pages)	115437
Modi Ke, Mahmoud M. Asmar, and Wang-Kong Tse	
Atomistic study of heat transfer between 3C-SiC slabs in the extreme near-field regime (12 pages)	115438
Haifei Yang, Zhen Gong, Wenbin Zhang, and Changying Zhao	
Identifying Majorana edge and end modes in a Josephson junction of a p -wave superconductor with a magnetic barrier (13 pages)	115439
Minakshi Subhedarshini, Amartya Pal, Pritam Chatterjee, and Arijit Saha	
Nonreciprocal charge transport in superconductor ZrTe ₃ (7 pages)	115440
Yiying Zhang, Jiajun Li, Zheng Dai, Heng Zhang, Yu Du, Fuwei Zhou, Wuyi Qi, Tianqi Wang, YeFan Yu, Fucong Fei, and Fengqi Song	
<i>Ab initio</i> density-matrix approach to exciton coherence: Phonon scattering, Coulomb interactions, and radiative recombination (7 pages)	115441
Tomer Amit, Guy Vosco, Mauro Del Ben, and Sivan Refaely-Abramson	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 112, NUMBER 11

SEPTEMBER 2025-15(I)

Beyond Fourier harmonics: Anapole-engineered flat-band quasi-bound states in the continuum in dielectric metasurfaces (<i>9 pages</i>)	115442
Lutong Feng and Xia Zhang	
Electric field and doping control of the Lifshitz transition in mixed-stacked tetralayer graphene (<i>9 pages</i>)	115443
Yulu Ren, Yang Shen, Chengyang Xu, Wanfei Shan, and Weidong Luo	

ERRATA

Erratum: Influence of finite temperature exchange-correlation effects in hydrogen [Phys. Rev. B 101 , 195129 (2020)] (<i>5 pages</i>)	119901(E)
Kushal Ramakrishna, Tobias Dornheim, Mani Lokamani, and Jan Vorberger	
Erratum: Generic model with unconventional Rashba bands and giant spin galvanic effect [Phys. Rev. B 109 , 195419 (2024)] (<i>5 pages</i>)	119902(E)
Xinliang Huang, Yuhang Xiao, Rui Song, and Ning Hao	
Erratum: Multichannel Dyson equations for even- and odd-order Green's functions: Application to double excitations [Phys. Rev. B 111 , 195133 (2025)] (<i>1 page</i>)	119903(E)
Gabriele Riva, Théodore Fischer, Stefano Paggi, J. Arjan Berger, and Pina Romaniello	