

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 108, NUMBER 11

SEPTEMBER 2023-15(I)

Robust quantum anomalous Hall effect with tunable magnetization directions and Chern numbers (<i>5 pages</i>)	115438
Xinming Wu, Runhan Li, Xiaorong Zou, Baibiao Huang, Ying Dai, and Chengwang Niu	
Probing angle-dependent thermal conductivity in twisted bilayer MoSe ₂ (<i>10 pages</i>)	115439
Manab Mandal, Nikhilesh Maity, Prahalad Kanti Barman, Ashutosh Srivastava, Abhishek K. Singh, Pramoda K. Nayak, and Kanikrishnan Sethupathi	

ERRATA

Erratum: Orbital dichotomy of Fermi liquid properties in Sr ₂ RuO ₄ revealed by Raman spectroscopy [Phys. Rev. B 103 , 235147 (2021)] (<i>3 pages</i>)	119901(E)
Jean-Côme Philippe, Benoît Baptiste, Chanchal Sow, Yoshiteru Maeno, Anne Forget, Dorothée Colson, Maximilien Cazayous, Alain Sacuto, and Yann Gallais	

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 108, NUMBER 11

SEPTEMBER 2023-15(I)

Thermodynamic uncertainty relations for systems with broken time reversal symmetry: The case of superconducting hybrid systems (7 pages)	115422
Fabio Taddei and Rosario Fazio	
Mechanisms of radiation-induced structural transformations in deposited gold clusters (13 pages)	115423
Alexey V. Verkhovtsev, Yury Erofeev, and Andrey V. Solov'yov	
Nonlinear Schrödinger equation for a two-dimensional plasma: Solitons, breathers, and plane wave stability (11 pages)	115424
A. A. Zabolotnykh	
Solitons induced by an in-plane magnetic field in rhombohedral multilayer graphene (11 pages)	115425
Max Tymczyszyn, Peter H. Cross, and Edward McCann	
Formation and highly directional output of long-lived resonances in photonic comblike structures (12 pages)	115426
Leonard Dobrzyński, Housni Al-Wahsh, Abdellatif Akjouj, and Eman A. Abdel-Ghaffar	
Experimental demonstration of splitting rules for exceptional points and their topological characterization (10 pages)	115427
Yi-Xin Xiao, Jing Hu, Zhao-Qing Zhang, and C. T. Chan	
Dense single-atomic $14 \times \sqrt{3}$ -reconstructed Pb layer on Si(111): Structural and superconducting properties (9 pages)	115428
L. V. Bondarenko, A. Y. Tupchaya, Y. E. Vekovshinin, D. V. Gruznev, Tatiana V. Utas, A. N. Mihalyuk, N. V. Denisov, A. V. Zotov, and A. A. Saranin	
Rotational symmetry breaking of nuclear motion in the Jahn-Teller X_3 molecule due to Casimir-Polder interaction (10 pages)	115429
A. D. Lyakhov, A. S. Ovchinnikov, I. G. Bostrem, and J. Kishine	
Fluctuations of the energy density and intensity for arbitrary objects in an arbitrary environment (16 pages)	115430
Florian Herz	
Spin current between buckled atomic layers with a twist generated by locally broken inversion symmetry (9 pages)	115431
Yuma Kitagawa, Yuta Suzuki, Shin-ichiro Tezuka, and Hiroshi Akera	
Pure dephasing induced single-photon parametric down-conversion in a strongly coupled plasmon-exciton system (12 pages)	115432
Ruben Pompe, Matthias Hensen, Matthew Otten, Stephen K. Gray, and Walter Pfeiffer	
Numerical discreteness and dephasing in high-harmonic calculations in solids (9 pages)	115433
M. Kolesik and J. V. Moloney	
High harmonic generation governed by edge states in triangular graphene quantum dots (10 pages)	115434
Suresh Gnawali and Vadym Apalkov	
Phonon transport in freestanding SrTiO_3 down to the monolayer limit (7 pages)	115435
Qi Wang, Chen Wang, Cheng Chi, Niuchang Ouyang, Ruiqiang Guo, Nuo Yang, and Yue Chen	
Dirac fermions on wires confined to the graphene Möbius strip (13 pages)	115436
L. N. Monteiro, C. A. S. Almeida, and J. E. G. Silva	
Effective Hamiltonian theory: An approximation to the equilibrium state of open quantum systems (20 pages) . . .	115437
Nicholas Anto-Sztrikacs, Brett Min, Marlon Brenes, and Dvira Segal	

(Continued)

Nonvolatile electric field control of spin-valley-layer polarized anomalous Hall effect in a two-dimensional multiferroic semiconductor bilayer (<i>11 pages</i>)	115407
Li Feng, Xiaofang Chen, and Jingshan Qi	
Quantum correlations of a two-dimensional electron gas with Rashba spin-orbit coupling (<i>8 pages</i>)	115408
J. I. Aranzadi and P. I. Tamborenea	
Structural diversity and topological property of I-based two-dimensional inorganic molecular crystals (<i>6 pages</i>)	115409
Zhili Zhu, Jinhua Gu, Jiaqing Gao, Weiguang Chen, Chunyao Niu, Ping Cui, Yu Jia, and Zhenyu Zhang	
Thermal mass transport mechanism of an adatom on a crystalline surface (<i>11 pages</i>)	115410
A. Roux and N. Combe	
Dynamics simulation of braiding two Majorana zero modes via a quantum dot (<i>9 pages</i>)	115411
Luting Xu, Jing Bai, Wei Feng, and Xin-Qi Li	
Casimir-Lifshitz force between graphene-based structures out of thermal equilibrium (<i>9 pages</i>)	115412
Youssef Jeyar, Kevin Austry, Minggang Luo, Brahim Guizal, H. B. Chan, and Mauro Antezza	
Certifying entanglement of spins on surfaces using ESR-STM (<i>5 pages</i>)	115413
Y. del Castillo and J. Fernández-Rossier	
Peierls-type structural phase transition in the low-dimensional superconductor Sc_3CoC_4 (<i>15 pages</i>)	115414
Jan Langmann, Marcel Vöst, Andreas Fischer, Hasan Kepenci, Georg Eickerling, Wolfgang Scherer, Luigi Paolasini, Alexei Bosak, Leila Noohinejad, and Martin Tolkiehn	
Superconductor-polariton nondissipative drag in optical microcavity (<i>10 pages</i>)	115415
Azat F. Aminov, Alexey A. Sokolik, and Yurii E. Lozovik	
Temperature-dependent terahertz properties of carriers and phonons in the topological Dirac semimetal Cd_3As_2 (<i>10 pages</i>)	115416
Lei Hou, Yunkun Yang, Aolong Li, Qiuji Wang, Qinan Li, Min Wu, Pengcheng Ji, Yujun Zhang, Yiming Xiao, Wen Xu, Faxian Xiu, and Lan Ding	
Electrically controllable thermal transport in Josephson junctions based on buckled two-dimensional materials (<i>9 pages</i>)	115417
Yu-Hao Zhuo, Biao Wu, Gang Ouyang, and Hai Li	
Thermopower in hBN/graphene/hBN superlattices (<i>8 pages</i>)	115418
Victor H. Guarochico-Moreira, Christopher R. Anderson, Vladimir Fal'ko, Irina V. Grigorieva, Endre Tóvári, Matthew Hamer, Roman Gorbachev, Song Liu, James H. Edgar, Alessandro Principi, Andrey V. Kretinin, and Ivan J. Vera-Marun	
Laterally screened two-dimensional plasma excitations in a disk-shaped two-dimensional electron system (<i>5 pages</i>)	115419
A. M. Zarezin, P. A. Gusikhin, A. A. Zabolotnykh, A. S. Astrakhantseva, I. V. Kukushkin, and V. M. Muravev	
Interedge van der Waals interaction between two-dimensional materials (<i>11 pages</i>)	115420
Zepu Kou, Fangyuan Chen, Zonghuiyi Jiang, Wanlin Guo, and Xiaofei Liu	
Temperature evolution of domains and intradomain chirality in $1T\text{-TaS}_2$ (<i>8 pages</i>)	115421
Boning Yu, Ghilles Ainouche, Manoj Singh, Bishnu Sharma, James Huber, and Michael C. Boyer	

(Continued)

Highly tunable Rashba spin-orbit coupling and crossover from weak localization to weak antilocalization in ionic-gated tellurium (<i>6 pages</i>)	115305
Dorsa S. Fartab, José Guimarães, Marcus Schmidt, and Haijing Zhang	
Controlling the excitation spectrum of a quantum dot array with a photon cavity (<i>11 pages</i>)	115306
Vidar Gudmundsson, Vram Mughnetsyan, Nzar Rauf Abdullah, Chi-Shung Tang, Valeriu Moldoveanu, and Andrei Manolescu	
Majorana fermions on the domain wall of marginally twisted bilayer of transition metal dichalcogenides (<i>7 pages</i>)	115307
Richang Huang, Dapeng Yu, and Wang Yao	
Phonon-mediated spin dynamics in a two-electron double quantum dot under a phonon temperature gradient (<i>13 pages</i>)	115308
Kazuyuki Kuroyama, Sadashige Matsuo, Seigo Tarucha, and Yasuhiro Tokura	
Angle-dependent Andreev reflection at an interface with a polaritonic superfluid (<i>12 pages</i>)	115309
I. Septembre, D. D. Solnyshkov, and G. Malpuech	
Geometric engineering of viscous magnetotransport in a two-dimensional electron system (<i>9 pages</i>)	115310
A. D. Levin, G. M. Gusev, A. S. Yaroshevich, Z. D. Kvon, and A. K. Bakarov	
Proximity-induced spin-orbit coupling in phosphorene on a WSe ₂ monolayer (<i>7 pages</i>)	115311
Marko Milivojević, Martin Gmitra, Marcin Kurpas, Ivan Štich, and Jaroslav Fabian	
Impact of the phonon environment on the nonlinear quantum-dot-cavity QED: Path-integral approach (<i>26 pages</i>)	115312
L. S. Sirkina and E. A. Muljarov	
Massive spin-flip excitations in a $\nu = 2$ quantum Hall ferromagnet (<i>9 pages</i>)	115313
S. Dickmann and P. S. Berezchnoy	
Surface physics, nanoscale physics, low-dimensional systems	
Indication for an anomalous magnetoresistance mechanism in (Bi, Sb) ₂ (Te, Se) ₃ three-dimensional topological insulator thin films (<i>9 pages</i>)	115401
N. P. Stepina, A. O. Bazhenov, A. V. Shumilin, A. Yu. Kuntsevich, V. V. Kirienko, E. S. Zhdanov, D. V. Ishchenko, and O. E. Tereshchenko	
 Photocurrents induced by structured light (<i>10 pages</i>)	115402
A. A. Gunyaga, M. V. Durnev, and S. A. Tarasenko	
Topological ac charge current and continuous invariant in the α -T ₃ lattice under a periodically varying strain (<i>8 pages</i>)	115403
Ruigang Li, Jun-Feng Liu, and Jun Wang	
Wave-packet dynamics in a non-Hermitian exciton-polariton system (<i>14 pages</i>)	115404
Y.-M. Robin Hu, Elena A. Ostrovskaya, and Eliezer Estrecho	
Corner states of two-dimensional second-order topological insulators with a chiral symmetry and broken time reversal and charge conjugation (<i>7 pages</i>)	115405
Joseph Poata, Fabio Taddei, and Michele Governale	
Modeling thermoelectric properties of monolayer and bilayer WS ₂ by including intravalley and intervalley scattering mechanisms (<i>9 pages</i>)	115406
Raveena Gupta and Chandan Bera	

(Continued)

Noncollinear DFT + U and Hubbard parameters with fully relativistic ultrasoft pseudopotentials (<i>10 pages</i>)	115157
Luca Binci and Nicola Marzari	
Possible surface magnetism in the topological Kondo insulator candidate FeSi (<i>8 pages</i>)	115158
Yuhang Deng, Yifei Yan, Haozhe Wang, Eric Lee-Wong, Camilla M. Moir, Yuankan Fang, Weiwei Xie, and M. Brian Maple	
$U(1)$ symmetry enriched toric code (<i>14 pages</i>)	115159
Kai-Hsin Wu, Alexey Khudorozhkov, Guilherme Delfino, Dmitry Green, and Claudio Chamon	
Exchange interaction between two quantum dots coupled through a superconducting island (<i>13 pages</i>)	115160
Ádám Bácsi, Luka Pavešić, and Rok Žitko	
Thickness-dependent oscillation of the superconducting T_c in ultrathin NbC films: A first-principles study (<i>6 pages</i>)	115161
Chang-Jiang Wu, Jian-Feng Zhang, Pei-Han Sun, Huan-Cheng Yang, Zhong-Yi Lu, and Kai Liu	
Current direction dependent magnetotransport in CuTe (<i>6 pages</i>)	115162
Ying Kit Tsui, C. N. Kuo, C. E. Hsu, Wei Zhang, Wenyan Wang, Shanmin Wang, Wing Chi Yu, H. C. Hsueh, C. S. Lue, and Swee K. Goh	
Magnetic structure and Kondo lattice behavior in CeVGe ₃ : An NMR and neutron scattering study (<i>11 pages</i>)	115163
C. Chaffey, H. C. Wu, Hanshang Jin, P. Sherpa, Peter Klavins, M. Avdeev, S. Aji, R. Shimodate, K. Nawa, T. J. Sato, V. Taufour, and N. J. Curro	
Semiconductors I: bulk	
Nature of electro-optic response in tetragonal BaTiO ₃ (<i>10 pages</i>)	115201
Inhwan Kim, Therese Paoletta, and Alexander A. Demkov	
Band structure, g -factor, and spin relaxation in n -type InAsP alloys (<i>12 pages</i>)	115202
Sunil K. Thapa, Rathara R. H. H. Mudiyansele, Thalya Paleologu, Sukgeun Choi, Zhuo Yang, Y. Kohama, Y. H. Matsuda, Joseph Spencer, Brenden A. Magill, Chris J. Palmstrøm, Christopher J. Stanton, and Giti A. Khodaparast	
Time-dependent growth of nuclear spin polarization under periodic optical pumping (<i>7 pages</i>)	115203
Michael J. Dominguez, Hua-Wei Hsu, and Vanessa Sih	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Finite-temperature quantum noise correlations as a probe for topological helical edge modes (<i>31 pages</i>)	115301
Sachiraj Mishra and Colin Benjamin	
Topological junctions in high-Chern-number quantum anomalous Hall systems (<i>10 pages</i>)	115302
Yulei Han, Shiyao Pan, and Zhenhua Qiao	
Tuning of exciton type by environmental screening (<i>8 pages</i>)	115303
Igor L. C. Lima, M. V. Milošević, F. M. Peeters, and Andrey Chaves	
Influence of scattering effects on the interaction between longitudinal modes in laser diodes (<i>15 pages</i>)	115304
Eduard Kuhn and Angela Thränhardt	

(Continued)

Variation of Landau level splitting in the Fermi level controlled Dirac metals (Eu, Gd)MnBi ₂ (7 pages)	115142
H. Sakai, K. Nakagawa, K. Tsuruda, J. Shiogai, K. Akiba, M. Tokunaga, S. Kimura, S. Awaji, A. Tsukazaki, H. Murakawa, and N. Hanasaki	
Fingerprints for anisotropic Kondo lattice behavior in the quasiparticle dynamics of the kagome metal Ni ₃ In (9 pages)	115143
Dong-Hyeon Gim, Dirk Wulferding, Chulwan Lee, Hengbo Cui, Kiwan Nam, Myung Joon Han, and Kee Hoon Kim	
Symmetry-enriched topological order from partially gauging symmetry-protected topologically ordered states assisted by measurements (37 pages)	115144
Yabo Li (李雅博), Hiroki Sukeno (助野裕紀), Aswin Parayil Mana, Hendrik Poulsen Nautrup, and Tzu-Chieh Wei (魏子傑)	
Benchmarks and results of the two-band Hubbard model from the Gutzwiller conjugate gradient minimization theory (10 pages)	115145
Zhuo Ye, Feng Zhang, Yong-Xin Yao, Cai-Zhuang Wang, and Kai-Ming Ho	
Kitaev building-block construction for inversion-protected higher-order topological superconductors (19 pages)	115146
Rui-Xing Zhang, Jay D. Sau, and S. Das Sarma	
First-principles study on the electronic and magnetic properties of monolayer FeSe on Cu ₃ N(001) (7 pages)	115147
Hui-Hui He, Xiao-Le Qiu, Ben-Chao Gong, Zhong-Yi Lu, and Kai Liu	
Flux-induced midgap states between strain-engineered flat bands (16 pages)	115148
Dung X. Nguyen, Jake Arkinstall, and Henning Schomerus	
Magnon gap excitations and spin-entangled optical transition in the van der Waals antiferromagnet NiPS ₃ (8 pages)	115149
Dipankar Jana, P. Kapuscinski, I. Mohelsky, D. Vaclavkova, I. Breslavetz, M. Orlita, C. Faugeras, and M. Potemski	
Electron-phonon coupling at the Te 5 <i>p</i> hole pocket in TiTe ₂ (7 pages)	115150
O. Fedchenko, D. Vasilyev, D. Kutnyakhov, S. Babenkov, S. Chernov, T. Grunske, T. Kauerhof, K. von Volkmann, J. Demsar, K. Rossnagel, G. Schönhense, and H. J. Elmers	
☞ Phase diagram of the SU(<i>N</i>) antiferromagnet of spin <i>S</i> on a square lattice (16 pages)	115151
Jonas Schwab, Francesco Parisen Toldin, and Fakher F. Assaad	
Unimportance of memory for the time nonlocal components of the Kadanoff-Baym equations (15 pages)	115152
Cian C. Reeves, Yuanran Zhu, Chao Yang, and Vojtěch Vlček	
Hybrid nodal surface and nodal line phonons in solids (10 pages)	115153
Wen-Han Dong, Jinbo Pan, Jia-Tao Sun, and Shixuan Du	
Suppression of field-induced spin density wave order in Sr ₃ Ru ₂ O ₇ with pressure (9 pages)	115154
P. Tiwari, L. He, M. Fu, D. Sun, R. S. Perry, A. P. Mackenzie, and S. R. Julian	
Revisiting the realization of artificial graphene in C ₆₀ /Cu(111) (9 pages)	115155
D. Marchenko, M. Krivenkov, M. Sajedi, A. Fedorov, O. Rader, and A. Varykhalov	
Location and thermal evolution of the pseudogap due to spin fluctuations (20 pages)	115156
Mengxing Ye, Zhentao Wang, Rafael M. Fernandes, and Andrey V. Chubukov	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 108, NUMBER 11

SEPTEMBER 2023-15(I)

Structure, physical properties, and magnetically tunable topological phases in the topological semimetal EuCuBi (<i>9 pages</i>)	115126
Xuhui Wang, Boxuan Li, Liqin Zhou, Long Chen, Yulong Wang, Yaling Yang, Ying Zhou, Ke Liao, Hongming Weng, and Gang Wang	
Solvable BCS-Hubbard Liouvillians in arbitrary dimensions (<i>7 pages</i>)	115127
Xu-Dong Dai, Fei Song, and Zhong Wang	
Perturbed periodic lattices: Sharp crossover between effective-mass-like states and Wannier-Stark-like ladders (<i>4 pages</i>)	115128
R. Merlin	
Tractable model of a pair density wave (<i>4 pages</i>)	115129
A. M. Tsvelik	
Inverse Janus design of two-dimensional Rashba semiconductors (<i>10 pages</i>)	115130
Qikun Tian, Puxuan Li, Jinghui Wei, Ziyu Xing, Guangzhao Qin, and Zhenzhen Qin	
Series expansion studies of the J_1 - J_2 Heisenberg bilayer (<i>9 pages</i>)	115131
Erik Wagner and Wolfram Brenig	
Phase diagram of the ionic Hubbard model with density-dependent hopping (<i>7 pages</i>)	115132
P. Roura-Bas and A. A. Aligia	
Fermion quartets on the square lattice (<i>18 pages</i>)	115133
Dionys Baeriswyl, Francesco Petocchi, and Philipp Werner	
Correlation energy of the spin-polarized electron liquid studied using quantum Monte Carlo simulations (<i>5 pages</i>)	115134
Sam Azadi, N. D. Drummond, and Sam M. Vinko	
☞ Monitored quantum dynamics and the Kitaev spin liquid (<i>26 pages</i>)	115135
Ali Lavasani, Zhu-Xi Luo, and Sagar Vijay	
Pair density wave characterized by a hidden string order parameter (<i>5 pages</i>)	115136
Hao-Kai Zhang, Rong-Yang Sun, and Zheng-Yu Weng	
Parametrization of the Coulomb interaction matrix with point-group symmetry (<i>14 pages</i>)	115137
Coraline Letouzé, Guillaume Radtke, Benjamin Lenz, and Christian Brouder	
Interplay between altermagnetism and nonsymmorphic symmetries generating large anomalous Hall conductivity by semi-Dirac points induced anticrossings (<i>8 pages</i>)	115138
Amar Fakhredine, Raghattam M. Sattigeri, Giuseppe Cuono, and Carmine Autieri	
Symmetric mass generation of Kähler-Dirac fermions from the perspective of symmetry-protected topological phases (<i>10 pages</i>)	115139
Yuxuan Guo and Yi-Zhuang You	
Chiral spin channels in curved graphene pn junctions (<i>7 pages</i>)	115140
Dario Bercioux, Diego Frustaglia, and Alessandro De Martino	
Thermopower of the dice lattice (<i>7 pages</i>)	115141
Han-Lin Liu, L. Hao, J. Wang, and Jun-Feng Liu	

(Continued)

Minimal residual entropy in (0+1)-dimensional non-Fermi liquids (<i>10 pages</i>)	115111
Alexey Milekhin	
Accurate and efficient structure factors in ultrasoft pseudopotential and projector augmented wave DFT (<i>9 pages</i>)	115112
Benjamin X. Shi, Rebecca J. Nicholls, and Jonathan R. Yates	
Olympicene radicals as building blocks of two-dimensional anisotropic networks (<i>9 pages</i>)	115113
Ricardo Ortiz	
Real spectra in one-dimensional single-band non-Hermitian Hamiltonians (<i>11 pages</i>)	115114
Haoyan Chen and Yi Zhang	
Existence of an ultraflat band in the charge density wave state of $4H_b$ -TaS _{1.3} Se _{0.7} (<i>7 pages</i>)	115115
Qingxin Liu, Peihan Sun, Fanyu Meng, Yanyan Geng, Zhonghao Liu, Jianfeng Zhang, Jingjing Gao, Zhicheng Jiang, Shangjie Tian, Xuan Luo, Yuping Sun, Zhihai Cheng, Kai Liu, Hechang Lei, and Shancai Wang	
Low-temperature terahertz spectroscopy of LaFeO ₃ , PrFeO ₃ , ErFeO ₃ , and LuFeO ₃ : Quasimagnon resonances and ground-state multiplet transitions (<i>15 pages</i>)	115116
Néstor E. Massa, Leire del Campo, Vinh Ta Phuoc, Paula Kayser, and José Antonio Alonso	
Interedge spin resonance in the Kitaev quantum spin liquid (<i>11 pages</i>)	115117
Takahiro Misawa, Joji Nasu, and Yukitoshi Motome	
Unusual surface states associated with $\mathcal{PT}$ -symmetry breaking and antiferromagnetic band folding in NdSb (<i>10 pages</i>)	115118
Asuka Honma, Daichi Takane, Seigo Souma, Yongjian Wang, Kosuke Nakayama, Miho Kitamura, Koji Horiba, Hiroshi Kumigashira, Takashi Takahashi, Yoichi Ando, and Takafumi Sato	
Construction of a semilocal exchange density functional from a three-dimensional electron gas collapsing to two dimensions (<i>8 pages</i>)	115119
C. M. Horowitz, C. R. Proetto, and J. M. Pitarke	
Energy transport across two interacting quantum baths without quasiparticles (<i>10 pages</i>)	115120
Ancel Larzul and Marco Schirò	
Magnetic and singlet phases in the three-dimensional periodic Anderson Model (<i>9 pages</i>)	115121
Wiliam S. Oliveira, Thereza Paiva, Richard T. Scalettar, and Natanael C. Costa	
Anomalous Hall effect induced by Berry curvature in the topological nodal-line van der Waals ferromagnet Fe ₄ GeTe ₂ (<i>8 pages</i>)	115122
Satyabrata Bera, Sudipta Chatterjee, Subhadip Pradhan, Suman Kalyan Pradhan, Sk Kalimuddin, Arnab Bera, Ashis K. Nandy, and Mintu Mondal	
Two elementary band representation model, Fermi surface nesting, and surface topological superconductivity in AV ₃ Sb ₅ ($A = \text{K, Rb, Cs}$) (<i>6 pages</i>)	115123
Junze Deng, Ruihan Zhang, Yue Xie, Xianxin Wu, and Zhijun Wang	
Magnetic field induced activated and quantum creep of charge density waves in o -TaS ₃ (<i>7 pages</i>)	115124
I. A. Cohn and S. V. Zaitsev-Zotov	
Formation energies of silicon self-interstitials using periodic coupled cluster theory (<i>7 pages</i>)	115125
Faruk Salihbegović, Alejandro Gallo, and Andreas Grüneis	

(Continued)

EDITORIALS AND ANNOUNCEMENTS

Editorial: To Review Is to Be (1 page)	110001
Randall D. Kamien	

ARTICLES

Electronic structure and strongly correlated systems

Emergent axion response in multilayered metamaterials (12 pages)	115101
Leon Shaposhnikov, Maxim Mazanov, Daniel A. Bobylev, Frank Wilczek, and Maxim A. Gorlach	
Directional effects of antiferromagnetic ordering on the electronic structure in NdSb (7 pages)	115102
Yevhen Kushnirenko, Brinda Kuthanazhi, Lin-Lin Wang, Benjamin Schrunck, Evan O'Leary, Andrew Eaton, Paul C. Canfield, and Adam Kaminski	
Classification of fermionic topological orders from congruence representations (17 pages)	115103
Gil Young Cho, Hee-Cheol Kim, Donghae Seo, and Minyoung You	
Functional renormalization group without functional integrals: Implementing Hilbert space projections for strongly correlated electrons via Hubbard X-operators (24 pages)	115104
Andreas Rückriegel, Jonas Arnold, Rüdiger Krämer, and Peter Kopietz	
Massless multifold Hopf semimetals (22 pages)	115105
Ansgar Graf and Frédéric Piéchon	
Generalized sine-Gordon model for coupled condensates and phase transition (8 pages)	115106
Zeyu Rao, Ming Gong, and Guangcan Guo	
Pressure-induced multiple phase transitions in the magnetoelectric Co ₄ Nb ₂ O ₉ (20 pages)	115107
Rajesh Jana, Alka B. Garg, Bobby Joseph, Brahmananda Chakraborty, Irshad K A, and Rekha Rao	
Role of hydrogen bonding in charge-ordered organic conductor α -(BEDT-TTF) ₂ I ₃ probed by ¹²⁷ I nuclear quadrupole resonance (7 pages)	115108
T. Kobayashi, Y. Kato, H. Taniguchi, T. Tsumuraya, K. Hiraki, and S. Fujiyama	
Closing of gaps, gap labeling, and passage from molecular states to critical states in a two-dimensional quasicrystal (5 pages)	115109
Anuradha Jagannathan	
Continuity equation for the many-electron spectral function (8 pages)	115110
F. Aryasetiawan	



(Continued)



2469-9950(20230915)108:11;1-B