

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 111, NUMBER 3

JANUARY 2025-15(I)

- Reply to “Comment on ‘Anisotropic resonant scattering from uranium systems at the U M_4 edge’” (3 pages) 037102
E. Lawrence Bright, E. N. Ovchinnikova, L. M. Harding, D. G. Porter, R. Springell, V. E. Dmitrienko,
R. Caciuffo, and G. H. Lander

ERRATA

- Erratum: First-principles study of the excitonic effect on two-photon absorption of semiconductors:
Theory and application to MoS₂ and WS₂ monolayers [Phys. Rev. B **101**, 195437 (2020)] (1 page) 039901(E)
You-Zhao Lan and Xiao-Hu Bao

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 111, NUMBER 3

JANUARY 2025-15(I)

Intrinsic room-temperature multiferroicity in a two-dimensional TiCr_2O_4 semiconductor with out-of-plane magnetic anisotropy and vertical piezoelectricity (7 pages)	035436
Yiwen Zhang, Chenxi Li, Haoshen Ye, G. P. Zhang, Junting Zhang, and Jianli Wang	
Spin-layer coupling in an altermagnetic multilayer: A design principle for spintronics (9 pages)	035437
Jianke Tian, Jia Li, Hengbo Liu, Yan Li, Ze Liu, Linyang Li, Jun Li, Guodong Liu, and Junjie Shi	
Bethe ansatz approach for the steady state of the asymmetric simple exclusion process with open boundaries (14 pages)	035438
Xin Zhang and Fa-Kai Wen	
Two-dimensional multiferroic NbPc covalent organic framework with strong magnetoelectric coupling and room-temperature ferroelectricity (8 pages)	035439
Wei Li, Dongyang Zhu, Shuai Dong, and Jun-Jie Zhang	
 Non-Majorana origin of the half-integer conductance quantization elucidated by multiterminal superconductor–quantum anomalous Hall insulator heterostructure (10 pages)	035440
Anjana Uday, Gertjan Lippertz, Bibek Bhujel, Alexey A. Taskin, and Yoichi Ando	
Propulsion force and heat transfer for nonreciprocal nanoparticles (13 pages)	035441
Laila Henkes, Kiryl Asheichyk, and Matthias Krüger	
Effects of a magnetic cobalt STM tip on the electronic, magnetic, and spin-dependent transport properties of cobalt phthalocyanine junctions on a Co(111) substrate (9 pages)	035442
Ali Jaafar and Tarek Khalil	
Analytical expression for exciton energies in monolayer transition metal dichalcogenides (8 pages)	035443
Hanh T. Dinh, Ngoc-Hung Phan, Duy-Nhat Ly, Dai-Nam Le, Ngoc-Tram D. Hoang, Nhat-Quang Nguyen, Phuoc-Thien Doan, and Van-Hoang Le	
Sliding ferroelectric controllable topological phases in the $\text{Bi}_2\text{Te}_3/\text{MnBi}_2\text{Te}_4$ heterobilayer (9 pages)	035444
Yan Liang, Pei Zhao, Fulu Zheng, and Thomas Frauenheim	
Nonequilibrium steady-state thermoelectrics of Kondo-correlated quantum dots (15 pages)	035445
Anand Manaparambil, Andreas Weichselbaum, Jan von Delft, and Ireneusz Weymann	
Raman tensor for two-dimensional massive Dirac fermions (14 pages)	035446
Selçuk Parlak and Ion Garate	
Casimir-Lifshitz torque between spatially anisotropic materials: A quantum field theory investigation (8 pages)	035447
Huai-Yong Guo, Jia-Nan Rong, and Liang Chen	
Atomistic mechanism for hydrogen outgassing from Al and Cu fcc metal surfaces under thermal treatment: Failure of the diffusion-limited and the recombination-limited models (13 pages)	035448
A. Karkash, L. Diaz, R. C. Albers, A. Saxena, and M. Sanati	

COMMENTS

Comment on “Anisotropic resonant scattering from uranium systems at the U M_4 edge” (2 pages)	037101
S. W. Lovesey	

(Continued)

Arbitrary vector beam generation in semiconductor quantum dots (<i>9 pages</i>)	035419
Samit Kumar Hazra, P. K. Pathak, and Tarak Nath Dey	
Observation of frequency diffraction management in spoof plasmonic waveguides (<i>7 pages</i>)	035420
Qingqing Cheng, Qunchao Ma, Zhenyu Jiang, Zhuochao Tie, Jingkun Zhuang, and Songlin Zhuang	
Coherent population trapping and spin relaxation of a silicon vacancy center in diamond at millikelvin temperatures (<i>7 pages</i>)	035421
Shuhao Wu, Xinzhu Li, Ian Gallagher, Benjamin Lawrie, and Hailin Wang	
Optical conductivity of the topologically nontrivial MXenes $\text{Mo}_2\text{HfC}_2\text{O}_2$ and $\text{W}_2\text{HfC}_2\text{O}_2$: First-principles calculation and effective model analysis (<i>10 pages</i>)	035422
Tetsuro Habe	
Spin splitting Nernst effect in altermagnets (<i>9 pages</i>)	035423
Xing-Jian Yi, Yue Mao, Xiancong Lu, and Qing-Feng Sun	
Excitons in atomically thin transition metal dichalcogenides in electric and magnetic fields (<i>10 pages</i>)	035424
Jack N. Engdahl, Harley D. Scammell, Dmitry K. Efimkin, and Oleg P. Sushkov	
Accelerating the measurement of time-resolved emission line shapes with a denoising neural network (<i>7 pages</i>)	035425
Oliver J. Tye, Jonah R. Horowitz, Weiwei Sun, Chantalle J. Krajewska, David B. Berkinsky, Andrew H. Proppe, and Mouni G. Bawendi	
Multimode Coulomb blockade oscillations (<i>10 pages</i>)	035426
D. B. Karki	
 Cloaking obstacles using synchronization (<i>8 pages</i>)	035427
Timo Pedernana, Julia Kölliker, Leonardo Perniola, and Nicolas Noiray	
Scaling behavior and emergent conductance plateau with uniform conductance distribution in disordered topological insulators with a domain wall structure (<i>10 pages</i>)	035428
Yuxiong Long, Miaomiao Wei, Fuming Xu, and Jian Wang	
Stability of transport and quantum phase transitions with nonorthogonal orbitals (<i>13 pages</i>)	035429
J. G. Santiago-García, R. A. Méndez-Sánchez, and E. Sadurní	
Topological polarization singularities induced by non-Hermitian Dirac points (<i>10 pages</i>)	035430
Jun Wang, Jie Liu, Peng Hu, Qiao Jiang, and Dezhuan Han	
Time-resolved ARPES and optical transport properties of irradiated twisted bilayer graphene in a steady state (<i>14 pages</i>)	035431
Ashutosh Dubey, Ritajit Kundu, and Arijit Kundu	
 Rydberg excitons and polaritons in monolayer transition metal dichalcogenides in a magnetic field (<i>21 pages</i>)	035432
David de la Fuente Pico, Jesper Levinsen, Emma Laird, Meera M. Parish, and Francesca Maria Marchetti	
Surface energy of glass and interfacial energy of glass with metals (<i>8 pages</i>)	035433
Jun Chai, Chen Ming, Yiming Zeng, Zhifu Liu, and Yi-Yang Sun	
Renormalization of quasiparticle band extrema of WSe_2 and MoTe_2 homobilayers (<i>10 pages</i>)	035435
Du Li, Zhen-Fei Liu, and Li Yang	

(Continued)

Current-induced magnetization switching induced by Rashba and Ising spin-orbit torques (<i>9 pages</i>)	035403
Peng Zhou, Zhanran Wang, Jiarui Liu, and Zhizhou Yu	
Transverse spin current at normal-metal / <i>p</i> -wave magnet junctions (<i>8 pages</i>)	035404
Ali Akbar Hedayati and Morteza Salehi	
Enhancement of superconductivity in $\text{Sr}_{1-x}\text{Eu}_x\text{CuO}_{2+y}$ films with coexisting electron and hole carriers (<i>7 pages</i>)	035405
Hang Yan, Ze-Xian Deng, Xue-Qing Yu, Yan-Ling Xiong, Qun Zhu, Ding Zhang, Can-Li Song, Xu-Cun Ma, and Qi-Kun Xue	
Analytical Green's function of the multidimensional Boltzmann transport equation for modeling hydrodynamic second sound (<i>12 pages</i>)	035406
Xin Qian, Chuang Zhang, Te-Huan Liu, and Ronggui Yang	
Statistical analysis of current-induced switching in metallic atomic-size contacts (<i>12 pages</i>)	035407
Marcel Strohmeier, Franz S. Herbst, Patrick Haiber, David Weber, and Elke Scheer	
Two-dimensional Kondo array of phthalocyanine-porphyrin bimolecular self-assembled systems (<i>7 pages</i>)	035408
Yixuan Gao, Lei Tao, Dongfei Wang, Hui Guo, and Hui Chen	
General method for calculating transport properties of disordered mesoscopic systems based on the nonequilibrium Green's function formalism (<i>9 pages</i>)	035409
Gaoyang Li, MiaoMiao Wei, Fuming Xu, and Jian Wang	
Cavity-enhanced superconductivity via band engineering (<i>9 pages</i>)	035410
Valerii K. Kozin, Even Thingstad, Daniel Loss, and Jelena Klinovaja	
Topological characterization of modified Kane-Mele-Rashba models via local spin Chern marker (<i>10 pages</i>)	035411
Sebastião dos Anjos Sousa-Júnior, Marcus V. de S. Ferraz, José P. de Lima, and Tarik P. Cysne	
Waiting-time distribution as a sensitive probe of non-Markovian dephasing dynamics in a double-dot Aharonov-Bohm interferometer (<i>13 pages</i>)	035412
RuiQiang Li, Yi Ding, Yiyang Yan, Yuguo Su, Yi-xiao Huang, Zoltán Néda, Elijah Omollo Ayieta, Georg Engelhardt, and JunYan Luo	
Twisted double-walled nanotubes and bilayer ribbons: Stripe versus island electronic localization in boron nitride systems (<i>6 pages</i>)	035413
Paulo H. M. Ferreira and Mario S. C. Mazzoni	
Enhanced third-harmonic generation and degenerate four-wave mixing in an all-dielectric metasurface via Brillouin zone folding induced bound states in the continuum (<i>7 pages</i>)	035414
Meibao Qin, Feng Wu, Tingting Liu, Dandan Zhang, and Shuyuan Xiao	
Spatially patterned spontaneous emission in a double-V-type quantum emitter near a plasmonic nanostructure (<i>9 pages</i>)	035415
Hamid R. Hamed, Viačeslav Kudriašov, Seyyed Hossein Asadpour, Julius Ruseckas, Vassilios Yannopapas, and Emmanuel Paspalakis	
Phase stabilization of strained 1T monolayer IrTe_2 by electron-phonon coupling modulation (<i>6 pages</i>)	035416
Sungmin Song, Tae-Hwan Kim, and Seung-Hoon Jhi	
Berry phases in Coulomb drag of double-layer graphene system (<i>8 pages</i>)	035417
Jianghui Pan, Lijun Zhu, Xiaoqiang Liu, Lin Li, Changgan Zeng, and Ji Feng	

(Continued)

Semiconductors I: bulk

Phonon-induced modification of polaritonic Rabi oscillations in the presence of dark excitonic condensate (7 pages)	035201
Adham Alkady, Victor Fleurov, and Anatoly Kuklov	
Phase transition and abnormal electrical properties of AgInSe ₂ driven by high-pressure sintering (9 pages)	035202
Wei Yu, He Zhang, Yizhou Li, Qingyong Ren, Tonghui Wang, Qing Jiang, and Xin Guo	
Electronic structure and properties of trapped holes in crystalline and amorphous Ga ₂ O ₃ (13 pages)	035203
Chaiyawat Kaewmeechai, Jack Strand, and Alexander Shluger	
Tunable axis-dependent conduction polarity in van der Waals materials (8 pages)	035204
Siyun Qi, Haoqiang Ai, Lei Sun, Xuejin Zhang, and Mingwen Zhao	

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

Neural network based deep learning analysis of semiconductor quantum dot qubits for automated control (25 pages)	035301
Jacob R. Taylor and Sankar Das Sarma	
Transition-induced Q-BIC-exciton polaritons in a permittivity-asymmetric system (17 pages)	035302
Sheng-Yi Wang, Haifeng Kang, Jie Yang, Hanzhuo Kuang, Qiu Wang, and Bo-Wen Jia	
Enhancement of the anomalous Hall effect by tilt of the Zeeman field in the topologically nontrivial MXenes M ₂ M'C ₂ O ₂ (10 pages)	035303
Tetsuro Habe	
Local rare-earth dopant structure in a complex-oxide/semiconductor heterojunction: Molecular beam epitaxy grown Yb-doped SrTiO ₃ on Si(001) (14 pages)	035304
Scott A. Chambers, Enrique Ramirez, Deepa Guragain, Joseph H. Ngai, Peter V. Sushko, Krishna P. Koirala, Yingge Du, Niranjana Govind, Mark E. Bowden, Deepnarayan Biswas, Tien-Lin Lee, Conan Weiland, and Joseph C. Woicik	
Non-Hermitian quasicrystalline topological insulators (10 pages)	035305
Xiaolu Zhu, Tan Peng, Fang Lyu, Wei Cao, Yue Hou, Rui Xiong, and Ziyu Wang	
 Cavity-enhanced charge-driven feedback loop in single quantum dot photocurrent spectroscopy (8 pages)	035306
M. Hohn, M. Schmidt, S. Höfling, and S. Reitzenstein	
Impact of the hole gas on optically detected magnetic resonance in (Cd,Mn)Te-based quantum wells (10 pages)	035307
A. Łopion, A. Bogucki, M. Raczynski, Z. Śnioch, K. E. Połczyńska, W. Pacuski, T. Kazimierzczuk, A. Golnik, and P. Kossacki	

Surface physics, nanoscale physics, low-dimensional systems

High mobility and directional magnetotransport in (001)- and (110)-oriented two-dimensional electron gas at spin-coated PrAlO ₃ /SrTiO ₃ interfaces (9 pages)	035401
Biswanath Maharana and Z. Hossain	
Armchair carbon nanotube on Pt and hBN/Pt: From strong metallic contact to coherent spin transport regime (7 pages)	035402
Marcin Kurpas, Marko Milivojević, and Martin Gmitra	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 111, NUMBER 3

JANUARY 2025-15(I)

Multifractality of the many-body non-Hermitian skin effect (<i>13 pages</i>)	035144
Shu Hamanaka and Kohei Kawabata	
Electronic structure of the kagome metal YbTi_3Bi_4 studied using torque magnetometry (<i>9 pages</i>)	035145
Kyryl Shtefiienko, Cole Phillips, Brenden R. Ortiz, David E. Graf, and Keshav Shrestha	
Finite-size topological phases from semimetals (<i>21 pages</i>)	035146
Adipta Pal and Ashley M. Cook	
From Dyson models to many-body quantum chaos (<i>9 pages</i>)	035147
Alexei Andreanov, Matteo Carrega, Jeff Murugan, Jan Olle, Dario Rosa, and Ruth Shir	
Origin of dimensional crossover in quasi-one-dimensional hollandite $\text{K}_2\text{Ru}_8\text{O}_{16}$ (<i>11 pages</i>)	035148
Asif Ali, Sakshi Bansal, B. H. Reddy, and Ravi Shankar Singh	
Noninvertible operators in one, two, and three dimensions via gauging spatially modulated symmetry (<i>24 pages</i>)	035149
Hiromi Ebisu and Bo Han	
Comprehensive study of the luminescence properties of elemental metals (<i>9 pages</i>)	035150
Tohru Suemoto, Shota Ono, Akifumi Asahara, Tsuyoshi Okuno, Takeshi Suzuki, Kozo Okazaki, Shuntaro Tani, and Yohei Kobayashi	
☞ Transfer matrix approach for topological edge states (<i>11 pages</i>)	035151
Rickson Wielan, Ivan Toftul, and Yuri Kivshar	
Time evolution of the local density of states of strongly correlated fermions coupled to a nanoprobe (<i>19 pages</i>)	035152
T. Blum, R. M. Noack, and S. R. Manmana	
Fractional quantum Hall phases of graphene beyond the ultrashort-range intervalley anisotropic interaction (<i>15 pages</i>)	035153
Oleg Grigorev and Ankur Das	
Symmetry breaking forms split-off flat bands in quantum oxides controlling metal versus insulator phases (<i>18 pages</i>)	035154
Jia-Xin Xiong, Xiuwen Zhang, and Alex Zunger	
Quasi-two-dimensional Fermi surfaces of the antiferromagnet U_2RhIn_8 revealed by de Haas–van Alphen measurements (<i>9 pages</i>)	035155
D. Aoki, Y. Homma, H. Harima, and I. Sheikin	
☞ Linear response theory for cavity QED materials at arbitrary light-matter coupling strengths (<i>21 pages</i>)	035156
Juan Román-Roche, Álvaro Gómez-León, Fernando Luis, and David Zueco	
Emergent topology in many-body dissipative quantum matter (<i>13 pages</i>)	035157
Antonio M. García-García, Lucas Sá, Jacobus J. M. Verbaarschot, and Can Yin	
Many-body quantum geometric dipole (<i>18 pages</i>)	035158
H. A. Fertig and Luis Brey	

(Continued)

☞ Influence of hydrogen on the electronic structure in the transition metallic glass $V_{80}Zr_{20}$ (13 pages)	035128
Johan Bylin, Rebecka Lindblad, Lennart Spode, Ralph H. Scheicher, and Gunnar K. Pálsson	
Chiral spin liquid in a generalized Kitaev honeycomb model with $\mathbb{Z}_4$ 1-form symmetry (11 pages)	035129
Yu-Xin Yang, Meng Cheng, and Ji-Yao Chen	
Nonlinear frequency-asymmetric optical response in chiral systems (11 pages)	035130
Shuhei Kanda and Satoru Hayami	
Hidden exceptional point and the localization-delocalization phase transition in the Hermitian bosonic Kitaev model (8 pages)	035131
D. K. He and Z. Song	
☞ Quasiparticle interference in altermagnets (12 pages)	035132
Hao-Ran Hu, Xiangang Wan, and Wei Chen	
☞ Effect of dynamical electron correlations on the tunnelling magnetoresistance of Fe/MgO/Fe(001) junctions (20 pages)	035133
Declan Nell, Stefano Sanvito, Ivan Rungger, and Andrea Droghetti	
Non-Abelian line graph: A generalized approach to flat bands (7 pages)	035134
Rui-Heng Liu and Xin Liu	
Discrete Lehmann representation of three-point functions (14 pages)	035135
Dominik Kiese, Hugo U. R. Strand, Kun Chen, Nils Wentzell, Olivier Parcollet, and Jason Kaye	
Self-supervised learning for denoising quasiparticle interference data (12 pages)	035136
Ilse S. Kuijf, Willem O. Tromp, Tjerk Benschop, Niño Philip Ramones, Miguel Antonio Sulangi, Evert P. L. van Nieuwenburg, and Milan P. Allan	
☞ Interatomic spin-orbit coupling in atomic orbital based tight-binding models (19 pages)	035137
Masaki Kato and Masao Ogata	
Chiral anomaly induced nonlinear Hall effect in three-dimensional chiral fermions (13 pages)	035138
Azaz Ahmad, Gautham Varma K., and Gargee Sharma	
Tuning competition between charge order and superconductivity in the square-lattice t - t' - J model (12 pages)	035139
Xin Lu, Huaiming Guo, Wei-Qiang Chen, D. N. Sheng, and Shou-Shu Gong	
Noncentrosymmetric half-Heusler family of $RAuSn$ with controllable band spin texture and colossal magnetoresistance (11 pages)	035140
Kentaro Ueda, Tonghua Yu, Markus Kriener, Motoaki Hirayama, Ryotaro Arita, and Yoshinori Tokura	
Krylov complexity and chaos in deformed Sachdev-Ye-Kitaev models (26 pages)	035141
Shira Chapman, Saskia Demulder, Damián A. Galante, Sameer U. Sheorey, and Osher Shoval	
Probing a quantum spin liquid with equilibrium and nonequilibrium hole dynamics (13 pages)	035142
J. H. Nyhegn, K. Knakkegaard Nielsen, and G. M. Bruun	
Nontrivial phonon dynamics and significant electron-phonon coupling of the high-frequency modes in a Dirac semimetal (7 pages)	035143
Debasmita Swain, Akash Dey, Anushree Roy, Kush Saha, and Sitikantha D. Das	

(Continued)

Second-order topological insulator in bilayer borophene (<i>10 pages</i>)	035113
Licheng Wang, Ali Hamza Qureshi, Yi Sun, Xiaokang Xu, Xiaojing Yao, Ai-Lei He, Yuan Zhou, and Xiuyun Zhang	
Topological order in spin nematics from the quantum melting of a disclination lattice (<i>14 pages</i>)	035114
Predrag Nikolić	
Family of third-order topological insulators from Su-Schrieffer-Heeger stacking (<i>12 pages</i>)	035115
Xun-Jiang Luo, Jia-Zheng Li, Meng Xiao, and Fengcheng Wu	
Edge-driven transition between extended quantum anomalous Hall crystal and fractional Chern insulator in rhombohedral graphene multilayers (<i>14 pages</i>)	035116
Zezhu Wei, Ang-Kun Wu, Miguel Gonçalves, and Shi-Zeng Lin	
Missing spectral weight in a heavy-fermion system far above the Néel temperature (<i>6 pages</i>)	035117
Jingwen Li, Debankit Priyadarshi, Chia-Jung Yang, Ulli Pohl, Oliver Stockert, Hilbert von Löhneysen, Shovon Pal, Manfred Fiebig, and Johann Kroha	
Magnetic properties of monolayer, multilayer, and bulk CrTe ₂ (<i>9 pages</i>)	035118
A. A. Katanin and E. M. Agapov	
Disentangling interacting systems with fermionic Gaussian circuits: Application to quantum impurity models (<i>18 pages</i>)	035119
Ang-Kun Wu, Benedikt Kloss, Wladislaw Krnitsin, Matthew T. Fishman, J. H. Pixley, and E. M. Stoudenmire	
Stabilizing charge density waves by mixing transition metal elements in monolayer XS ₂ with trigonal-prismatic coordination (<i>7 pages</i>)	035120
Chi-Cheng Lee and Yukiko Yamada-Takamura	
Higher Berry connection for matrix product states (<i>21 pages</i>)	035121
Shuhehi Ohyama and Shinsei Ryu	
Spin-state stability in Mn ₂ O ₃ across the volume collapse phase transition under pressure up to 41 GPa (<i>5 pages</i>)	035122
V. Balédent, S. R. Shieh, and J.-P. Rueff	
Magnetic, thermodynamic, and dynamical properties of the three-dimensional fermionic Hubbard model: A comprehensive Monte Carlo study (<i>28 pages</i>)	035123
Yu-Feng Song, Youjin Deng, and Yuan-Yao He	
Neural-network-supported basis optimizer for the configuration interaction problem in quantum many-body clusters: Feasibility study and numerical proof (<i>11 pages</i>)	035124
Pavlo Bilous, Louis Thirion, Henri Menke, Maurits W. Haverkort, Adriana Pálffy, and Philipp Hansmann	
Correlation stabilized ferromagnetic MnRuAs with distorted kagome lattice (<i>13 pages</i>)	035125
Anusree C V, Andrzej Ptok, Paweł Sobieszczyk, G. Vaitheeswaran, and V. Kanchana	
Gauge theory of giant phonon magnetic moment in doped Dirac semimetals (<i>11 pages</i>)	035126
Wenqin Chen, Xiao-Wei Zhang, Ying Su, Ting Cao, Di Xiao, and Shi-Zeng Lin	
Heavy fermions in frustrated Hund's metal with portions of incipient flat bands (<i>8 pages</i>)	035127
Yilin Wang	

(Continued)

ARTICLES

Electronic structure and strongly correlated systems

- Fast and scalable finite-element based approach for density functional theory calculations using projector augmented wave method (*28 pages*) 035101
Kartick Ramakrishnan, Sambit Das, and Phani Motamarri
- Metal-organic frameworks: Strain-tunable quantum phase transition and high-order topological insulator and emergent fermions (*8 pages*) 035102
Lirong Wang, Yefeng Li, Lei Jin, Wei-Wang Yu, Xiaoming Zhang, Guodong Liu, Ying Liu, and Ting-Ting Zhang
- Multiple metamagnetic transitions in the helical antiferromagnet CeVGe₃ (*7 pages*) 035103
Hanshang Jin, Eun Sang Choi, Hung-Cheng Wu, N. J. Curro, K. Nawa, T. J. Sato, R. Kiyanagi, T. Ohhara, Peter Klavins, and Valentin Taufour
-  Electron interactions in Rashba materials (*18 pages*) 035104
Yasha Gindikin and Alex Kamenev
- Wannier interpolation of reciprocal-space periodic and nonperiodic matrix elements in the optimally smooth subspace (*10 pages*) 035105
Giulio Volpato, Stefano Mocatti, Giovanni Marini, and Matteo Calandra
- Phase diagram of compressible and paired states in the quarter-filled Landau level (*14 pages*) 035106
Misha Yutushui and David F. Mross
- Matrix product state fixed points of non-Hermitian transfer matrices (*13 pages*) 035107
Wei Tang, Frank Verstraete, and Jutho Haegeman
-  $s_{\pm}$ -wave superconductivity in the bilayer two-orbital Hubbard model (*7 pages*) 035108
Yao-Yuan Zheng and Wéi Wú
- Two-scale effective model for defect-induced localization transitions in non-Hermitian systems (*10 pages*) 035109
B. Davies, S. Barandun, E. O. Hiltunen, R. V. Craster, and H. Ammari
-  Electron-phonon coupling in the topological heavy fermion model of twisted bilayer graphene (*47 pages*) 035110
Yi-Jie Wang, Geng-Dong Zhou, Biao Lian, and Zhi-Da Song
- Zeeman field induced corner states in the Kane-Mele-Hubbard model (*10 pages*) 035111
Jie Zhang, Han Xu, and Yu Wang
- Quantum entanglement in a pure state of strongly correlated quantum impurity systems (*20 pages*) 035112
Yunori Nishikawa and Tomoki Yoshioka



(Continued)

