

ARTICLES

Electronic structure and strongly correlated systems

- Topological quantum slinky motion in the resonant extended Bose-Hubbard model (*10 pages*) 235101
H. P. Zhang and Z. Song
- Explicit Pfaffian formula for amplitudes of fermionic Gaussian pure states in arbitrary Pauli bases (*11 pages*) 235102
M. A. Rajabpour, M. A. Seifi Mirjafarlou, and Reyhaneh Khasseh
- Flat bands induced by destructive interference in twisted WSe₂ bilayers (*7 pages*) 235103
YanJun Li, Yueshao Zheng, Xin Wang, Nannan Luo, Wei Ren, Li-Ming Tang, Yexin Feng,
Ke-Qiu Chen, and Jiang Zeng
- Realization of fractal Aubry-André-Harper models in electronic circuits (*10 pages*) 235104
Xiaoting Chen and Rui Yu
- Floquet control of topological phases and Hall effects in Z₂ nodal line semimetals (*9 pages*) 235105
Pu Liu, Chaoxi Cui, Lei Li, Runze Li, Dong-Hui Xu, and Zhi-Ming Yu
- Griffiths phases in structurally disordered CeRhSn: Experimental evidence and
theoretical modeling (*10 pages*) 235106
A. Ślebarski and M. M. Maška
- Investigating the insulator-metal transition in Ca₂RuO₄ via temperature and electric current: Insights from hard
x-ray photoemission spectroscopy (*9 pages*) 235107
Daiki Ootsuki, Daisuke Shibata, Giordano Mattoni, Yukie Takasuka, Eiji Ikenaga, Akira Yasui,
Chanchal Sow, Shingo Yonezawa, Yoshiteru Maeno, Fumihiko Nakamura, and Teppei Yoshida
-  Fractionalization as an alternate to charge ordering in electronic insulators (*26 pages*) 235108
Seth Musser, Meng Cheng, and T. Senthil
- Conduction band structure and ultrafast dynamics of ferroelectric α -GeTe(111) (*9 pages*) 235109
Geoffroy Kremer, Laurent Nicolai, Frédéric Chassot, Julian Maklar, Christopher W. Nicholson, J. Hugo Dil,
Juraj Krempaský, Gunther Springholz, Ralph Ernstorfer, Jan Minár, Laurenz Rettig, and Claude Monney
- Emergent supercounterfluid and quantum phase diagram of two-component interacting bosons in a
one-dimensional optical lattice (*11 pages*) 235110
Saisai He, Yang Liu, Bin Xi, Hong-Gang Luo, Qiang Luo, and Jize Zhao
- Optimal control for preparing fractional quantum Hall states in optical lattices (*11 pages*) 235111
Ling-Na Wu, Xikun Li, Nathan Goldman, and Botao Wang
- Competing automorphisms and disordered Floquet codes (*28 pages*) 235112
Cory T. Aitchison and Benjamin Béri



(Continued)



2469-9950(20250615)111:23;1-T

Role of disorder in the third-order anomalous Hall effect in time-reversal symmetric systems (<i>6 pages</i>)	235113
Chanchal K. Barman, Arghya Chattopadhyay, Surajit Sarkar, Jian-Xin Zhu, and Snehasish Nandy	
🔊 Electronic structure of AV_3Sb_5 kagome metals (<i>13 pages</i>)	235114
Keyu Zeng, Zhan Wang, Kun Jiang, and Ziqiang Wang	
Non-Abelian combinatorial gauge theory (<i>16 pages</i>)	235115
Hongji Yu, Dmitry Green, and Claudio Chamon	
Variationally optimizing infinite projected entangled-pair states at large bond dimensions: A split corner transfer matrix renormalization group approach (<i>12 pages</i>)	235116
Jan Naumann, Erik L. Weerden, Jens Eisert, Matteo Rizzi, and Philipp Schmoll	
Modulated Dirac bands and integer hopping ratios in a honeycomb lattice of phenalenyl-tessellation molecules (<i>11 pages</i>)	235117
Naoki Morishita, Kenshin Komatsu, Motoharu Kitatani, and Koichi Kusakabe	
Tunable band inversion in trilayer graphene (<i>10 pages</i>)	235118
Harsimran Kaur Mann, Simrandeep Kaur, Safil Mullick, Priya Tiwari, Kenji Watanabe, Takashi Taniguchi, and Aveek Bid	
Impact of cavity strong coupling on the charge transfer dynamics in organic donor-acceptor heterojunctions (<i>7 pages</i>)	235119
Yogita Silori, Bin Liu, Yongxi Li, Stephen R. Forrest, and Jennifer P. Ogilvie	
Negative chemical pressure induced Lifshitz transition and nontrivial topological states in $BaFe_2As_{2-x}Bi_x$ (<i>14 pages</i>)	235120
Amit Pokhriyal and Haranath Ghosh	
Quantum geometric tensor in systems with fractional band dispersion (<i>9 pages</i>)	235121
Jamme Omar A. Biscocho and Kristian Hauser A. Villegas	
Strongly forbidden thermodynamic oscillations in quasi-one-dimensional conductors (<i>5 pages</i>)	235122
A. G. Lebed	
Electronic structures and pseudogap nature of the strongly correlated Kondo semimetals and insulators $CeNiSn$ and $CeRhX$ ($X = As, Sb$) (<i>11 pages</i>)	235123
J.-S. Kang, Seungho Seong, J. D. Denlinger, T. Takabatake, Y. Ōnuki, Kyoo Kim, and B. I. Min	
🔊 Long-lived coherence between incoherent excitons revealed by time-resolved angle-resolved photoemission spectroscopy: An exact solution (<i>16 pages</i>)	235124
Zhenlin Zhang, Wei Hu, Enrico Perfetto, and Gianluca Stefanucci	
Optical absorption activated by an ultrashort half-cycle pulse in metallic and superconducting states of the Hubbard model (<i>7 pages</i>)	235125
Kazuya Shinjo, Shigetoshi Sota, Seiji Yunoki, and Takami Tohyama	
Orbital selectivity and metal-insulator crossovers in $La_{1+x}Sr_{1-x}NiO_4$ ($0 \leq x \leq 1$) (<i>7 pages</i>)	235126
L. Craco	
Exploring strong electronic correlations in the breathing kagome metal Fe_3Sn (<i>11 pages</i>)	235127
Shivalika Sharma, Liviu Chioncel, and Igor Di Marco	

(Continued)

Quantum geometric origin of strain-tunable giant second-harmonic generation in $\text{Bi}_2\text{O}_2\text{X}$ ($\text{X}=\text{S}, \text{Se}, \text{Te}$) (8 pages)	235128
Zhefeng Lou, Zhihao Gong, Ziyu Zhu, Wenbin Li, Xiao Lin, and Hua Wang	
Electron-magnon dynamics triggered by an ultrashort laser pulse: A real-time dual GW study (20 pages)	235129
Nagamalleswararao Dasari, Hugo U. R. Strand, Martin Eckstein, Alexander I. Lichtenstein, and Evgeny A. Stepanov	
From degenerate flat bands to topological states with high Chern numbers (9 pages)	235130
Hong-Chang Zeng, Ming-Da Dai, Xiao-Ping Liu, Wei-Wei Luo, and Yi-Fei Wang	
 Slow magnetic quantum oscillations in the c -axis magnetoresistance of UTe_2 (11 pages)	235131
Freya Husstedt, Motoi Kimata, Sajal Naduvile Thadathil, Beat Valentin Schwarze, Markus König, Gerard Lapertot, Jean-Pascal Brison, Georg Knebel, Dai Aoki, J. Wosnitza, and Toni Helm	
Machine learning force field model for kinetic Monte Carlo simulations of itinerant Ising magnets (11 pages)	235132
Alexa Tyberg, Yunhao Fan, and Gia-Wei Chern	
Exploring the finite-temperature behavior of Rydberg atom arrays: A tensor network approach (9 pages)	235133
Yuzhou Han, Hao Zhang, and Lixin He	
Momentum-resolved spectroscopic evidence of a metal-insulator transition in $\text{Si}(111)\sqrt{3} \times \sqrt{3}\text{-Sn}$ (7 pages)	235134
H. Nishimichi, T. Machida, S. Ichinokura, S. Kaku, K. Ishihara, K. Tanaka, T. Hanaguri, and T. Hirahara	
Pressure effects on the Fermi surface of Ti-doped CsV_3Sb_5 (10 pages)	235135
Kyryl Shtefiienko, Cole Phillips, Matthew J. Stitz, Ganesh Pokharel, Stephen D. Wilson, David E. Graf, and Keshav Shrestha	
Theta electromagnetism in quantum spin ice: Microscopic analysis of improper symmetries (23 pages)	235136
Gautam K. Naik, Jonathan N. Hallén, and Chris R. Laumann	
Implementation of the full-potential screened spherical wave-based muffin-tin orbital method for all-electron density functional theory (16 pages)	235137
Aixia Zhang, Qingyun Zhang, Zhiyi Chen, Yong Wu, and Youqi Ke	
Mechanism of dual-band emission in Sb-doped rare-earth phosphates (11 pages)	235138
Ruijie Hao, Xin Zhao, and Chang-Kui Duan	
Weyl-Mott point: Topological and non-Fermi liquid behavior from an isolated Green's function zero (14 pages)	235139
R. Flores-Calderón and Chris Hooley	
Page curve and entanglement dynamics in an interacting fermionic chain (19 pages)	235140
Rishabh Jha, Salvatore R. Manmana, and Stefan Kehrein	
First-order quantum Hall to Wigner crystal phase transition on a triangular lattice: An infinite density matrix renormalization group study (10 pages)	235141
Gleb Fedorovich, Clemens Kuhlenkamp, Atac Imamoglu, and Ivan Amelio	
Design and benchmarks for emulating Kondo dynamics on a quantum chip (27 pages)	235142
Soumyadeep Sarma, Jukka I. Väyrynen, and Elio J. König	
Pauli potential formalism at finite temperature (10 pages)	235143
R. M. N. Goshadze, Valentin V. Karasiev, Katerina P. Hilleke, and S. X. Hu	

(Continued)

Quantum dynamics of dissipative polarizable media (<i>16 pages</i>)	235144
Frank Ernesto Quintela Rodriguez, Piero Lafiosca, Tommaso Giovannini, and Chiara Cappelli	
Probing the semiconductor–Dirac-semimetal transition in Na-Sb-Bi alloys with x-ray Compton scattering (<i>5 pages</i>)	235145
Aki Pulkkinen, Veenavee Nipunika Kothalawala, Kosuke Suzuki, Bernardo Barbiellini, Johannes Nokelainen, Wei-Chi Chiu, Bahadur Singh, Hsin Lin, Alok K. Pandey, Naoaki Yabuuchi, Naruki Tsuji, Yoshiharu Sakurai, Hiroshi Sakurai, Ján Minár, and Arun Bansil	
Observation of Kondo-like electrical transport in ferromagnetic $\text{Fe}_2\text{Ti}_{1-x}\text{Mn}_x\text{Sn}$ Heusler alloy (<i>13 pages</i>)	235146
Kulbhushan Mishra, Shishir Kumar Pandey, S. Chaudhuri, Rajeev Rawat, and P. A. Bhobe	
Optical spin angular momentum sensitivity of topological nanoflakes (<i>11 pages</i>)	235147
D. Dams and C. Rockstuhl	
Intermediate band analysis in Green’s function calculations of quasiparticle interference (<i>16 pages</i>)	235148
Xinze Yang, Alexander F. Kemper, Adrian Gozar, and Eduardo H. da Silva Neto	
Anomalous geometric transport signatures of topological Euler class (<i>17 pages</i>)	235149
Ashwat Jain, Wojciech J. Jankowski, and Robert-Jan Slager	
🔊 Geometric effects in the Dyakonov-Shur theory of terahertz photodetection (<i>11 pages</i>)	235150
Riccardo Riolo, Marco Polini, Riccardo Mannella, and Andrea Tomadin	
Local symmetries and extensive ground-state degeneracy of a one-dimensional supersymmetric fermionic chain (<i>9 pages</i>)	235151
Shuyu Zhang (张舒予), Hiroki Sueno (助野裕紀), Kazuki Ikeda (池田一毅), and Tzu-Chieh Wei (魏子傑)	
Efficient Fermi-Hubbard model ground-state preparation by coupling to a classical reservoir in the instantaneous-response limit (<i>9 pages</i>)	235152
Zekun He, Lorenzo Del Re, A. F. Kemper, and J. K. Freericks	
🔊 Relaxation dynamics of a quantum spin coupled to a topological edge state (<i>9 pages</i>)	235153
Qiyu Liu, Christoph Karrasch, Dante Marvin Kennes, and Roman Rausch	
Spinor ice correlation in flat-band electronic states on kagome and pyrochlore lattices with spin-orbit coupling (<i>17 pages</i>)	235154
Hiroki Nakai, Masafumi Udagawa, and Chisa Hotta	
Semiconductors I: bulk	
Effective interaction dynamics of Rydberg excitons (<i>11 pages</i>)	235201
B. Panda, J. Heckötter, S. Siegeroth, M. Harati, and M. Aßmann	
Highly correlated two-dimensional viscous electron fluid in moderate magnetic fields (<i>12 pages</i>)	235202
P. S. Alekseev and A. P. Alekseeva	
Strong temperature dependence of thermal conductivity in high-purity cubic boron arsenide (<i>13 pages</i>)	235203
Songrui Hou, Fengjiao Pan, Xinping Shi, Frank Angeles, Geethal Amila Gamage, Haoran Sun, Benise A. Niyikiza, Zahra Ebrahim Nataj, Fariborz Kargar, Alexander A. Balandin, David G. Cahill, Chen Li, Zhifeng Ren, and Richard B. Wilson	

(Continued)

Theoretical prediction of electronic and thermal transport properties of the double half-Heusler compounds $X_2\text{FeNiSn}_2$ ($X = \text{Ta}, \text{Nb}, \text{V}$) (14 pages)	235204
Enes Ibrahim Duden, Tuğbey Kocabaş, Tanju Gürel, Servet Turan, and Cem Sevik	
Suppression of thermopower and enhancement of thermal conductivity in bulk topological insulators (9 pages)	235205
L. R. Zhang and C. M. Wang	
Transversality-enforced tight-binding models for three-dimensional photonic crystals aided by topological quantum chemistry (11 pages)	235206
Antonio Morales-Pérez, Chiara Devescovi, Yoonseok Hwang, Mikel García-Díez, Barry Bradlyn, Juan L. Mañes, Maia G. Vergniory, and Aitzol García-Etxarri	
Renormalization of the optical band gap through an effective Thirring interaction for massive Dirac-like electrons (13 pages)	235207
Nilberto Bezerra, Van Sérgio Alves, Leandro O. Nascimento, and Luis Fernández	
Exploring electronic Raman scattering in La-doped CeO_2 : Laser energy and power-dependent Raman spectroscopy (12 pages)	235208
Minal Gupta, Omkar V. Rambadey, Rahul Aggarwal, and Pankaj R. Sagdeo	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Three-body Fermi liquid corrections for an infinite- U $\text{SU}(N)$ Anderson impurity model (18 pages)	235301
Kaiji Motoyama, Yoshimichi Teratani, Kazuhiko Tsutsumi, Kohei Wake, Ryosuke Kobayashi, Rui Sakano, and Akira Oguri	
Evaluation of zero-threshold optical gain in quantum dots based on size-controlled electron doping (11 pages)	235302
Chen Liao, Haoran Yang, Luping Tang, Weihua Shi, and Shaoling Sun	
Multiple truly topological unidirectional surface magnetoplasmons at terahertz frequencies (13 pages)	235303
Shengquan Fan, Tianjing Guo, Binbin Zhou, Jie Xu, Xiaohua Deng, Jiangtao Lei, Yun Shen, Meicheng Fu, Kosmas L. Tsakmakidis, and Lujun Hong	
☞ Temporal CW polarization-tomography of photon pairs from the biexciton radiative cascade: Theory and experiment (10 pages)	235304
Noam Tur, Ismail Nassar, Ido Schwartz, Joseph Avron, Dan Dalacu, Philip J. Poole, and David Gershoni	
Optoelectronic properties of boron monochalcogenide monolayers: Quasiparticle and excitonic effects from first principles (13 pages)	235305
Enesio Marinho, Jr., Alexandre C. Dias, Lidia C. Gomes, Antonio C. F. Seridonio, Gabriel M. C. Meira, Mariano de Souza, Samuel M. Soares, Lucas Squillante, Pedro Venezuela, Alexandre R. Rocha, and Cesar E. P. Villegas	
Transport of Majorana bound states in the presence of telegraph noise (13 pages)	235306
Dibyajyoti Sahu and Suhas Gangadharaiah	
Enhanced second harmonic generation in NbOBr_2 through reverse stacking (9 pages)	235307
Tianhong Tang, Di Lin, Deng Hu, Hanting Li, Ziling Shen, Wenchen Yang, Xiaoyue Fan, Haiyang Liu, Zhiwei Wang, and Gang Wang	
Surface physics, nanoscale physics, low-dimensional systems	
Thermodynamic precision in nonequilibrium critical quantum systems (12 pages)	235401
Xingyu Zhang, Yue Liu, Xiufeng Cao, and Dahai He	

(Continued)

Surface nitrogen induced evolution of the electronic structure of gadolinium (<i>11 pages</i>)	235402
K. Kneisel, C. A. Casey-Stevens, B. J. Ruck, F. Natali, A. Tadich, B. C. C. Cowie, J. R. Chan, W. F. Holmes-Hewett, H. J. Trodahl, and A. L. Garden	
Enhanced Seebeck and Nernst effects in the complex honeycomb lattice (<i>7 pages</i>)	235404
Kai-Yi Lyu, Xing Wang, and Yu-Xian Li	
Extended string-net model with all anyons at finite temperature (<i>18 pages</i>)	235405
André Soares, Anna Ritz-Zwilling, and Jean-Noël Fuchs	
Quantized anomalous Hall conductivity induced by Floquet and strain engineering in second-order topological insulators (<i>11 pages</i>)	235406
Yuping Tian, Xiangru Kong, Linyang Li, Binyuan Zhang, and Wei-Jiang Gong	
Strain engineering of flat bands in buckled graphene superlattices (<i>8 pages</i>)	235407
Xiaoyi Yuan, Zichong Zhang, and Shuze Zhu	
Many-body effects on excited-state properties in blue phosphorene nanoribbons (<i>9 pages</i>)	235408
Zi-Heng Xu, Tian-Xiang Qian, Ju Zhou, Li Yang, Yun Ding, Tian-Yi Cai, and Sheng Ju	
Majorana sweet spots in three-site Kitaev chains (<i>12 pages</i>)	235409
Rodrigo A. Dourado, Martin Leijnse, and Rubén Seoane Souto	
Effect of hole-strain coupling on the eigenmodes of semiconductor-based nanomechanical systems (<i>17 pages</i>) . . .	235410
Ankang Liu and M. I. Dykman	
Propagation of ultrashort voltage pulses through a small quantum dot (<i>11 pages</i>)	235411
Thomas Kloss and Xavier Waintal	
Non-Hermitian delocalization in one dimension via emergent compactness (<i>10 pages</i>)	235412
Liang-Hong Mo, Zhenyu Xiao, Roderich Moessner, and Hongzheng Zhao	
Strain-induced quantum phase transitions probed by electron spin resonance (<i>7 pages</i>)	235413
S. A. Andreeva, A. V. Shchepetilnikov, G. A. Nikolaev, A. R. Khisameeva, Ya. V. Fedotova, C. Reichl, W. Wegscheider, and I. V. Kukushkin	
Electrically switchable quantum anomalous and spin Hall states in two-dimensional honeycomb lattices with non-Dirac bands (<i>9 pages</i>)	235414
Sihui Wu, Jiahui Qian, Xunkai Duan, Xianzhang Chen, Zhou Cui, Jiayong Zhang, Chunlan Ma, and Tong Zhou	
Ferromagnetic two-dimensional electron gases with magnetic doping and proximity effects (<i>9 pages</i>)	235415
Zixin Fan, Jiale Chen, Qiangtao Sui, Haoming Ling, Zihao Wang, Lingyuan Kong, Dingyi Li, Fang Yang, Run Zhao, Hanghui Chen, Pan Chen, Yan Liang, and Jiandi Zhang	
Identification of the energy at which the charge density wave gap opens in 1T-TiSe ₂ (<i>8 pages</i>)	235416
Atsushi Nomura, Sora Kobayashi, and Hideaki Sakata	
Tunable orbital thermoelectric transport with spin-valley coupling in a monolayer of ferromagnetic transition metal dichalcogenides (<i>8 pages</i>)	235417
Shilei Ji, Jianping Yang, Li Gao, and Xing'ao Li	
Measurement-induced phase transition in free bosons (<i>14 pages</i>)	235419
Kazuki Yokomizo and Yuto Ashida	

(Continued)

Josephson effect and critical currents in trivial and topological full-shell hybrid nanowires (<i>14 pages</i>)	235420
Carlos Payá, Ramón Aguado, Pablo San-Jose, and Elsa Prada	
Spin-lattice relaxation of NV centers in nanodiamonds adsorbed on conducting and nonconducting surfaces (<i>10 pages</i>)	235421
Izidor Benedičič, Yuri Tanuma, Žiga Gosar, Bastien Anézo, Mariusz Mrózek, Adam Wojciechowski, and Denis Arčon	
Many-body Keldysh crossover in the dc-driven Haldane spin chain (<i>8 pages</i>)	235422
Koichi Okazaki, Shun Okumura, Shintaro Takayoshi, and Takashi Oka	
First-principles study of CSiN and C ₂ N monolayers with wide band gaps and ultrahigh thermal conductivities (<i>9 pages</i>)	235423
Zhao He, Yi-Chi Li, and Jian Zhou	
Layer-resolved quantum transport in twisted bilayer graphene: Counterflow and machine learning predictions (<i>12 pages</i>)	235425
Matheus H. Gobbo Kuhn, L. A. Silva, and D. A. Bahamon	
Mott states proximitized to a relativistic electron gas in epitaxial graphene (<i>12 pages</i>)	235426
Chitran Ghosal, Siheon Ryee, Zamin Mamiyev, Maria-Elisabeth Federl, Niklas Witt, Tim Wehling, and Christoph Tegenkamp	
Multiple layer Hall states in the topological magnet V ₂ WS ₄ family (<i>8 pages</i>)	235427
Xuqi Li, Hong Xu, Yu Zhang, and Shifei Qi	
High superconducting transition temperature in bilayer blue phosphorus by metal intercalation (<i>9 pages</i>)	235429
Ruiqi Ku, Liujiang Zhou, Jian-Guo Si, Bao-Tian Wang, Weiqi Li, and Luo Yan	
Valley gapless semiconductor: Models and applications (<i>11 pages</i>)	235430
Kok Wai Lee, Pei-Hao Fu, Jun-Feng Liu, Ching Hua Lee, and Yee Sin Ang	
Multifield-induced antiferromagnet transformation into altermagnet and realized anomalous valley Hall effect in monolayer VPSe ₃ (<i>8 pages</i>)	235431
Hanbo Sun, Pengqiang Dong, Chao Wu, and Ping Li	
Flux-tunable parity-protected qubit based on a single full-shell nanowire Josephson junction (<i>15 pages</i>)	235432
G. Giavaras, Rubén Seoane Souto, Maria José Calderón, and Ramón Aguado	
Underscreened Kondo compensation in a superconductor (<i>9 pages</i>)	235433
Anand Manaparambil, Cătălin Pașcu Moca, Gergely Zaránd, and Ireneusz Weymann	
Magnetic field tunable third-order nonlinear transport in a heterodimensional superlattice (<i>7 pages</i>)	235434
Hengjie Shi, Xukun Feng, Lujunyu Wang, Haiyun Chen, Bingyan Jiang, Haoyu Wang, Guang Tian, Dapeng Yu, Yuan Yao, Cong Xiao, and Xiaosong Wu	
Orbital Hall effect characterizing higher-order topological phase transitions in monolayers of ferromagnetic materials (<i>7 pages</i>)	235435
Ning-Jing Yang, Jun-Hao Li, Zhigao Huang, and Jian-Min Zhang	
Semiconducting-to-metallic transition and spin-glass-like behavior in Cr _{0.68} Se thin films (<i>8 pages</i>)	235436
Wenqiang Cui, Guihao Jia, Yaowu Liu, Zichun Zhang, Junhai Ren, Zongwei Gao, Shuai-Hua Ji, Wanjun Jiang, Ke He, Liguang Zhang, Dapeng Zhao, Wei Li, and Qi-Kun Xue	

(Continued)

Dynamics of edge modes in monitored Su-Schrieffer-Heeger models (<i>20 pages</i>)	235437
Giulia Salatino, Gianluca Passarelli, Angelo Russomanno, Giuseppe E. Santoro, Procolo Lucignano, and Rosario Fazio	
Interfacial reconstruction effects in insulating double perovskite $\text{Nd}_2\text{NiMnO}_6/\text{SrTiO}_3$ and $\text{Nd}_2\text{NiMnO}_6/\text{NdGaO}_3$ thin films (<i>10 pages</i>)	235438
Nandana Bhattacharya, Ranjan Kumar Patel, Siddharth Kumar, Prithwijit Mandal, Jyotirmay Maity, Christoph Klewe, Zhan Zhang, Hua Zhou, and Srimanta Middey	
Partial Landau-Zener transitions and applications to qubit shuttling (<i>7 pages</i>)	235439
Jonas R. F. Lima and Guido Burkard	
Optimal qubit-mediated quantum heat transfer via noncommuting operators and strong coupling effects (<i>18 pages</i>)	235440
Marlon Brenes, Jakub Garwoła, and Dvira Segal	
Transport signatures of single and multiple Floquet Majorana modes in a one-dimensional Rashba nanowire and Shiba chain (<i>20 pages</i>)	235441
Debashish Mondal, Rekha Kumari, Tanay Nag, and Arijit Saha	
Detection of Majorana zero modes bound to Josephson vortices in planar superconductor–topological insulator–superconductor junctions (<i>13 pages</i>)	235442
Katharina Laubscher and Jay D. Sau	
Theory of superconducting proximity effect in hole-based hybrid semiconductor-superconductor devices (<i>20 pages</i>)	235443
D. Michel Pino, Rubén Seoane Souto, Maria José Calderón, Ramón Aguado, and José Carlos Abadillo-Uriel	
Transparent graphene-superconductor interfaces: Quantum Hall and zero field regimes (<i>25 pages</i>)	235444
Alexey Bondarev, Gu Zhang, and Harold U. Baranger	
Bulk penetration of edge properties in two-dimensional materials (<i>8 pages</i>)	235445
Markus Kari and Pekka Koskinen	
Quantum spin pumping in a $\mathcal{PT}$ -symmetric non-Hermitian triple-quantum-dot system (<i>9 pages</i>)	235446
Zhaoqi Chu, Mingzhou Cai, Yunjin Yu, and Bin Wang	
Controlled probing of localization effects in the non-Hermitian Aubry-André model via topoelectrical circuits (<i>12 pages</i>)	235447
Dipendu Halder and Saurabh Basu	
Angle-invariant scattering in metasurfaces (<i>14 pages</i>)	235448
Mustafa Yücel, Francisco S. Cuesta, and Karim Achouri	
Emergent moiré fringes in direct-grown quasicrystals (<i>7 pages</i>)	235449
Jingwei Li, Kejie Bao, Honglin Sun, Xingxu Yan, Ting Huang, Qicheng Zhang, Yaoqiang Zhou, Yifeng Huang, Zhenjing Liu, Paul Masih Das, Jiawen You, Jiong Zhao, Jianbin Xu, Xiaoqing Pan, Yongli Mi, Junyi Zhu, and Zhaoli Gao	
Mixed-state geometric phases of coherent and squeezed spin states (<i>12 pages</i>)	235450
Xin Wang, Jia-Chen Tang, Xu-Yang Hou, Hao Guo, and Chih-Chun Chien	
Effect of Rashba spin-orbit coupling on topological phases in monolayer ZnIn_2Te_4 (<i>7 pages</i>)	235451
Jun-Jie Zhang and Shuai Dong	