

Surface-induced odd-frequency spin-triplet superconductivity as a veritable signature of Majorana bound states (<i>24 pages</i>)	045432
Subhajit Pal and Colin Benjamin	
Quantum circuit refrigerator based on quantum dots coupled to normal-metal and superconducting electrodes (<i>11 pages</i>)	045433
S. Mojtaba Tabatabaei and Neda Jahangiri	
Higher-dimensional spin selectivity in chiral crystals (<i>6 pages</i>)	045434
Yinong Zhou, Dmitri Leo M. Cordova, Griffin M. Milligan, Maxx Q. Arguilla, and Ruqian Wu	
Coexistence and coupling of multiple ferroic orders in van der Waals monolayers (<i>8 pages</i>)	045435
Xiaofan Shen, Xiaomei Lu, Fengzhen Huang, and Junting Zhang	
Flow of unitary matrices: Real-space winding numbers in one and three dimensions (<i>8 pages</i>)	045437
Fumina Hamano and Takahiro Fukui	
Tunnel transport problem for open multilayer nitride nanostructures with an applied constant magnetic field and time-dependent potential: An exact solution (<i>19 pages</i>)	045438
Igor Boyko, Mykaylo Petryk, and Nikolai Lebovka	
Nonlinear magneto-optical response across a van Hove singularity in a noncentrosymmetric magnetic Weyl semimetal (<i>10 pages</i>)	045439
Jian Li, Kai-He Ding, and Lijun Tang	
Liouvillian skin effect in a one-dimensional open many-body quantum system with generalized boundary conditions (<i>13 pages</i>)	045440
Liang Mao, Xuanpu Yang, Ming-Jie Tao, Haiping Hu, and Lei Pan	
Anisotropic flat band and charge density wave in quasi-one-dimensional indium telluride (<i>7 pages</i>)	045441
Meryem Bouaziz, Aymen Mahmoudi, Davide Romanin, Jean-Christophe Girard, Yannick J. Dappe, François Bertran, Marco Pala, Julien Chaste, Fabrice Oehler, and Abdelkarim Ouerghi	
Diagrammatic perturbation approach to moiré bands in twisted bilayer graphene (<i>19 pages</i>)	045442
Federico Escudero	
☞ Shear viscosity of interacting graphene (<i>7 pages</i>)	045443
Kitinan Pongsangangan, Pedro Cosme, Emanuele Di Salvo, and Lars Fritz	
From knots to exceptional points: Emergence of topological features in non-Hermitian systems with long-range coupling (<i>17 pages</i>)	045444
S. M. Rafi-Ul-Islam, Zhuo Bin Siu, Md. Saddam Hossain Razo, Haydar Sahin, and Mansoor B. A. Jalil	
Magneto-optical conductivity of a band-inverted charge transfer insulator (<i>12 pages</i>)	045445
Chang Liu, Sha-Sha Ke, Yong Guo, Xiao-Tao Zu, Sean Li, and Hai-Feng Lü	
Casimir-Lifshitz force for graphene-covered gratings (<i>10 pages</i>)	045446
Youssef Jeyar, Minggang Luo, Brahim Guizal, H. B. Chan, and Mauro Antezza	
First-principles calculations of the structural and electronic properties of monolayer 1T-MoO ₂ and WO ₂ (<i>8 pages</i>)	045447
Yi-Chi Li and Jian Zhou	

Equilibrium structure of 1,4-cyclohexadiene monolayer on Si(001)-(2 × 1) (11 pages)	045416
V. A. Gorbunov, A. I. Uliankina, S. S. Akimenko, and A. V. Myshlyavtsev	
Systematic construction of topological-nontopological hybrid universal quantum gates based on many-body Majorana fermion interactions (21 pages)	045417
Motohiko Ezawa	
Subspace-restricted thermalization in a correlated-hopping model with strong Hilbert space fragmentation characterized by irreducible strings (19 pages)	045418
Sreemayee Aditya, Deepak Dhar, and Diptiman Sen	
Toward high-fidelity quantum information processing and quantum simulation with spin qubits and phonons (20 pages)	045419
I. Arrazola, Y. Minoguchi, M.-A. Lemonde, A. Sipahigil, and P. Rabl	
Envelope-function theory of inhomogeneous strain in semiconductor nanostructures (15 pages)	045420
Andrea Secchi and Filippo Troiani	
Thickness-dependent superconductivity and quantum spin Hall effects in $Ti_{n+1}O_n$ ($n = 2, 3$) MOenes (10 pages)	045421
Luo Yan, Yiqi Huo, Jiaojiao Zhu, Anqi Huang, Ruiqi Ku, Bao-Tian Wang, Tao Li, and Liujiang Zhou	
Heavy-hole spin relaxation in quantum dots: Isotropic versus anisotropic effects (15 pages)	045422
Dalton Forbes, Sanjay Prabhakar, Ruma De, Himadri S. Chakraborty, and Roderick Melnik	
Electrical reversal of the magnon thermal Hall coefficient in a van der Waals bilayer antiferromagnet (9 pages)	045423
Yu-Hao Shen, Yiqun Liu, and Min Luo	
Casimir-Lifshitz force variations across heterogeneous gapped metal surfaces (7 pages)	045424
M. Boström, S. Pal, H. R. Gopidi, S. Osella, A. Gholamhosseinian, G. Palasantzas, and O. I. Malyi	
Manipulation of optical response in transition metal dichalcogenides by magnetic proximity effects and strain (7 pages)	045425
Yueyue Wang, Zhihui Chen, Xinyu Cheng, Xiaolin Su, Peng Liu, Fanhao Jia, Ruixue Li, Yuan Li, and Gaofeng Xu	
Electron-phonon coupling induced topological phase transition in an α - T_3 Haldane-Holstein model (19 pages)	045426
Mijanur Islam, Kuntal Bhattacharyya, and Saurabh Basu	
Swapping exchange and spin-orbit induced correlated phases in proximitized Bernal bilayer graphene (7 pages)	045427
Yaroslav Zhumagulov, Denis Kochan, and Jaroslav Fabian	
☞ Photonic cross-noise spectroscopy of Majorana bound states (15 pages)	045429
L. Bittermann, F. Dominguez, and P. Recher	
Key role of chromophore-modified vibrational modes on thermal broadening of single-molecule spectra in disordered solids (16 pages)	045430
Alexander O. Savostianov, Ivan Yu. Eremchev, Taras Plakhotnik, and Andrei V. Naumov	
☞ Theory of intrinsic acoustic plasmons in twisted bilayer graphene (10 pages)	045431
Lorenzo Cavicchi, Iacopo Torre, Pablo Jarillo-Herrero, Frank H. L. Koppens, and Marco Polini	

(Continued)

Surface physics, nanoscale physics, low-dimensional systems

Design of fragile topological flat bands in an optical microcavity array (<i>6 pages</i>)	045401
Yuhui Wang, Shupeng Xu, Liang Feng, and Ritesh Agarwal	
Structure and properties of the (100) surface of the Au-Si-Ho quasicrystalline approximant (<i>8 pages</i>)	045402
Wilfried Bajoun Mbajoun, Yu-Chin Huang, Girma Hailu Gebresenbut, Cesar Pay Gómez, Emilie Gaudry, Sylvie Migot-Choux, Jaafar Ghanbaja, Vincent Fournée, and Julian Ledieu	
 Large quantum nonreciprocity in plasmons dragged by drifting electrons (<i>8 pages</i>)	045403
Debasis Dutta and Amit Agarwal	
Tunneling of fluxons via a Josephson resonant level (<i>10 pages</i>)	045404
T. Vakhtel, P. D. Kurilovich, M. Pita-Vidal, A. Bargerbos, V. Fatemi, and B. van Heck	
SQUID oscillations in PbTe nanowire networks (<i>7 pages</i>)	045405
Yichun Gao, Wenyu Song, Zehao Yu, Shuai Yang, Yuhao Wang, Ruidong Li, Fangting Chen, Zuhan Geng, Lining Yang, Jiaye Xu, Zhaoyu Wang, Zonglin Li, Shan Zhang, Xiao Feng, Tiantian Wang, Yunyi Zang, Lin Li, Runan Shang, Qi-Kun Xue, Ke He, and Hao Zhang	
Tensile strain induced enhancement of lattice thermal conductivity and its origin in two-dimensional SnC (<i>11 pages</i>)	045406
Linlin Wei, Xin Jin, Zizhen Zhou, Xiaolong Yang, Guoyu Wang, and Xiaoyuan Zhou	
Atomic-scale perspective on individual thiol-terminated molecules anchored to single S vacancies in MoS ₂ (<i>9 pages</i>)	045407
J. Rika Simon, Dmitrii Maksimov, Christian Lotze, Paul Wiechers, Juan Pablo Guerrero Felipe, Björn Kobin, Jutta Schwarz, Stefan Hecht, Katharina J. Franke, and Mariana Rossi	
Multiple absorption regimes in simple lithography-free structures leading to ultrathin slabs (<i>12 pages</i>)	045408
Carlos Lezaun, David Navajas, Iñigo Liberal, and Miguel Beruete	
Light-hole spin confined in germanium (<i>11 pages</i>)	045409
Patrick Del Vecchio and Oussama Moutanabbir	
Strain-dependent one-dimensional confinement channels in twisted bilayer 1T'-WTe ₂ (<i>8 pages</i>)	045410
S. J. Magorrian and N. D. M. Hine	
Magnetic field breakdown of electron hydrodynamics (<i>5 pages</i>)	045411
M. A. T. Patricio, G. M. Jacobsen, V. A. Oliveira, M. D. Teodoro, G. M. Gusev, A. K. Bakarov, and Yu. A. Pusep	
Stacking order dependence of interlayer excitons in MoSe ₂ /WSe ₂ heterobilayers (<i>7 pages</i>)	045412
Jinyang Lou, Zheng Lv, Haochen Wang, Yutao Tang, Song Luo, Yan Liu, Xinyue Zhang, Guoxing Lv, Yuning Zhang, Hang Zhou, Long Zhang, and Zhanghai Chen	
Anisotropic three-dimensional quantum Hall effect in topological nodal-line semimetals (<i>9 pages</i>)	045413
Mingqi Chang and Rong Ma	
Higher order spin interactions mediated by the substrate (<i>8 pages</i>)	045414
Szczezan Głodzik and Rok Žitko	
Long-range Cooper pair splitting by chiral Majorana edge states (<i>12 pages</i>)	045415
Oscar Casas-Barrera, Shirley Gómez Páez, and William J. Herrera	

(Continued)

Electric field gradients at the nuclei from all-electron four-component relativistic density functional theory using Gaussian-type orbitals (8 pages)	045141
Marc Joosten, Michal Repisky, Marius Kadek, Pekka Pyykkö, and Kenneth Ruud	
Enhanced thermodynamic stability and carrier lifetime in BF_4 -doped wide-band-gap perovskite solar cells (10 pages)	045142
Zhong-Yuan Wang, Kai-Feng Wang, Jun-Jie Jin, Fangping Ouyang, Biao Meng, Zhaofeng Wu, Li-Min Liu, and Chuan-Jia Tong	
Numerical investigation of the structure factors of the Read-Rezayi series (12 pages)	045143
Loïc Herviou and Frédéric Mila	
Role of magnetic ions in the thermal Hall effect of the paramagnetic insulator TmVO_4 (7 pages)	045144
Ashvini Vallipuram, Lu Chen, Emma Campillo, Manel Mezidi, Gaël Grissonnanche, Marie-Eve Boulanger, Étienne Lefrançois, Mark P. Zic, Yuntian Li, Ian R. Fisher, Jordan Baglo, and Louis Taillefer	
Probing spin fractionalization with electron spin resonance based on scanning tunneling microscopy (6 pages)	045145
Y. del Castillo and J. Fernández-Rossier	
Entanglement entropy of topological phases with multipole symmetry (24 pages)	045146
Hiromi Ebisu	
 Nonlocal conductivity, continued fractions, and current vortices in electron fluids (16 pages)	045147
Khachatur G. Nazaryan and Leonid Levitov	
Numerical demonstration of Abelian fractional statistics of composite fermion excitations in the spherical geometry (9 pages)	045148
Koyena Bose and Ajit C. Balram	
Green's function embedding using sum-over-pole representations (11 pages)	045149
Andrea Ferretti, Tommaso Chiarotti, and Nicola Marzari	
Electronic structure and conductivity in functionalized multilayer black phosphorene (11 pages)	045150
Jouda Jemaa Khabthani, Khoulood Chika, Ghassen Jemai, Didier Mayou, and Guy Trambly de Laissardière	
Semiconductors I: bulk	
Polaron formation in the hydrogenated amorphous silicon nitride $\text{Si}_3\text{N}_4\text{:H}$ (12 pages)	045201
Christoph Wilhelmer, Dominic Waldhör, Lukas Cvitkovich, Diego Milardovich, Michael Walzl, and Tibor Grassler	
Quantum dynamic response-based NV-diamond magnetometry: Robustness to decoherence and applications in motion detection of magnetic nanoparticles (19 pages)	045202
Wenkui Ding, Xingyu Zhang, Jing Liu, Aixi Chen, and Xiaoguang Wang	
Anharmonic phonon self-energy and anomalous thermal transport in the quaternary compound $\text{BaAg}_2\text{SnSe}_4$ (12 pages)	045203
Qing-Yu Xie, Feng Xiao, Kai-Wang Zhang, and Bao-Tian Wang	
Theory of the inverse Faraday effect in dissipative Rashba electron systems: Floquet engineering perspective (20 pages)	045204
Miho Tanaka and Masahiro Sato	

(Continued)

Photon statistics of organic polariton condensates (<i>10 pages</i>)	045125
Anton D. Putintsev, Anton V. Zasedatelev, Vladislav Yu. Shishkov, Mikhail Misko, Denis A. Sannikov, Evgeny S. Andrianov, Yurii E. Lozovik, Ullrich Scherf, and Pavlos G. Lagoudakis	
Interplay of electronic correlations and chemical bonding in FeN ₂ under pressure (<i>9 pages</i>)	045126
I. V. Leonov	
Nonlinear optical response in multiband Dirac-electron system (<i>6 pages</i>)	045127
Keisuke Kitayama and Masao Ogata	
Thermal characteristics of the phase transition near 100 K in BaFe ₂ Al ₉ (<i>6 pages</i>)	045128
C. N. Kuo, R. Y. Huang, L. T. Wen, H. Y. Lee, C. K. Hong, Y. R. Ou, Y. K. Kuo, and C. S. Lue	
Direct current generation by dielectric loss in ferroelectrics (<i>8 pages</i>)	045129
Takahiro Morimoto and Naoto Nagaosa	
Observation of paramagnetic spin-degeneracy lifting in EuZn ₂ Sb ₂ (<i>6 pages</i>)	045130
Milo X. Sprague, Sabin Regmi, Barun Ghosh, Anup Pradhan Sakhya, Mazharul Islam Mondal, Iftakhar Bin Elius, Nathan Valadez, Bahadur Singh, Tetiana Romanova, Dariusz Kaczorowski, Arun Bansil, and Madhab Neupane	
Quantitative determination of the orbital-selective Mott transition and quantum entanglement in the orbital-selective Mott phase (<i>8 pages</i>)	045131
Yuekun Niu, Yu Ni, Haishan Zhang, Liang Qiu, Jianli Wang, Leiming Chen, Yun Song, and Shiping Feng	
Optical decoherence, spectroscopy, and magnetic <i>g</i> tensors for the 1.5- μm ⁴ <i>I</i> _{15/2} - ⁴ <i>I</i> _{13/2} transitions of Er ³⁺ dopants at the C ₂ -symmetry site in Y ₂ O ₃ (<i>14 pages</i>)	045132
Thomas Böttger, T. L. Harris, G. D. Reinemer, C. W. Thiel, and R. L. Cone	
 Electron- <i>K</i> -phonon interaction in twisted bilayer graphene (<i>7 pages</i>)	045133
Chao-Xing Liu, Yulin Chen, Ali Yazdani, and B. Andrei Bernevig	
Phase diagram of the square-lattice <i>t</i> - <i>J</i> - <i>V</i> model for electron-doped cuprates (<i>12 pages</i>)	045134
Qianqian Chen, Lei Qiao, Fuchun Zhang, and Zheng Zhu	
Charge and entanglement criticality in a U(1)-symmetric hybrid circuit of qubits (<i>17 pages</i>)	045135
Ahana Chakraborty, Kun Chen, Aidan Zabalo, Justin H. Wilson, and J. H. Pixley	
Symmetry-enforced metal-insulator transition and topological adiabatic charge pump in sliding bilayers of threefold symmetric materials (<i>9 pages</i>)	045136
Sergio Bravo, P. A. Orellana, and L. Rosales	
Gapped boundary of (4+1)d beyond-cohomology bosonic SPT phase (<i>16 pages</i>)	045137
Xinping Yang and Meng Cheng	
Transport theory in non-Hermitian systems (<i>13 pages</i>)	045138
Qing Yan, Hailong Li, Qing-Feng Sun, and X. C. Xie	
Closing of the Mott gap near step edges in NiS ₂ (<i>5 pages</i>)	045139
Yuuki Yasui, Kota Iwata, Shota Okazaki, Shigeki Miyasaka, Yoshiaki Sugimoto, Tetsuo Hanaguri, Hidenori Takagi, and Takao Sasagawa	
Kibble-Zurek mechanism and errors of gapped quantum phases (<i>17 pages</i>)	045140
Amit Jamadagni, Javad Kazemi, and Arpan Bhattacharyya	

(Continued)

Systematic compactification of the two-channel Kondo model. II. Comparative study of scaling and universality (17 pages)	045109
Aleksandar Ljepoja, Nayana Shah, and C. J. Bolech	
Systematic compactification of the two-channel Kondo model. III. Extended field-theoretic renormalization group analysis (25 pages)	045110
Aleksandar Ljepoja, C. J. Bolech, and Nayana Shah	
Unveiling the interplay of magnetic order and electronic band structure in the evolution of the anomalous Hall effect in single crystalline MnPtGa (9 pages)	045111
Gourav Dwari, Shovan Dan, Bishal Baran Maity, Sitaram Ramakrishnan, Achintya Lakshan, Ruta Kulkarni, Vikash Sharma, Suman Nandi, Partha Pratim Jana, Andrzej Ptok, and A. Thamizhavel	
Magnetic, charge, and bond order in the two-dimensional Su-Schrieffer-Heeger-Holstein model (7 pages)	045112
Maxwell Casebolt, Chunhan Feng, Richard T. Scalettar, Steven Johnston, and G. G. Batrouni	
Quantized polarization in a generalized Rice-Mele model at arbitrary filling (11 pages)	045113
Yasuhiro Tada	
Halperin states of particles and holes in ideal time reversal invariant pairs of Chern bands and the fractional quantum spin Hall effect in moiré MoTe ₂ (12 pages)	045114
Inti Sodemann Villadiego	
Topological $p_x + ip_y$ intervalley coherent state in moiré MoTe ₂ /WSe ₂ heterobilayers (12 pages)	045115
Ying-Ming Xie, Cheng-Ping Zhang, and K. T. Law	
☞ Probing magnetism in moiré heterostructures with quantum twisting microscopes (18 pages)	045116
Fabian Pichler, Wilhelm Kadow, Clemens Kuhlenkamp, and Michael Knap	
Photoinduced insulator-metal transition in paramagnetic (V _{1-x} Cr _x) ₂ O ₃ (8 pages)	045117
Jiyu Chen, Francesco Petocchi, Viktor Christiansson, and Philipp Werner	
Boundary conditions and anomalies of conformal field theories in 1 + 1 dimensions (22 pages)	045118
Lin hao Li, Chang-Tse Hsieh, Yuan Yao, and Masaki Oshikawa	
Fidelity susceptibility at the Lifshitz transition between the noninteracting topologically distinct quantum critical points (12 pages)	045119
Xue-Jia Yu and Wei-Lin Li	
Influence of nitrogen stoichiometry and the role of Sm 5 <i>d</i> states in SmN thin films (9 pages)	045120
A. Meléndez-Sans, V. M. Pereira, C. F. Chang, C.-Y. Kuo, C. T. Chen, L. H. Tjeng, and S. G. Altendorf	
Critical magnetic flux for Weyl points in the three-dimensional Hofstadter model (18 pages)	045121
Pierpaolo Fontana and Andrea Trombettoni	
Nonreciprocal superfluidlike topological spin transport (5 pages)	045122
Alexey A. Kovalev, Bo Li, and Edward Schwartz	
Topological mixed valence model in magic-angle twisted bilayer graphene (7 pages)	045123
Yantao Li, Benjamin M. Fregoso, and Maxim Dzero	
Magnetotransport and electronic structure of the axion insulator MnSb ₈ Te ₁₃ (9 pages)	045124
Mohit Mudgal, Debasis Dutta, Priyanka Meena, Venkateswara Yenugonda, Vishnu Kumar Tiwari, Vivek Kumar Malik, Jens Buck, Sanjoy Kr Mahatha, Amit Agarwal, and Jayita Nayak	

(Continued)

Quantization of the anyonic spectral density of heat currents (<i>4 pages</i>)	L041402
Edvin G. Idrisov and Johan Ekström	
☞ Transport and magnetic properties of Hund's metal CaRuO_3 under strain modulation (<i>8 pages</i>)	L041403
Zhen Wang, Arjyama Bordoloi, Zhaoqing Ding, Enling Wang, Xiaofeng Wu, Zeguo Lin, Mingyu Yang, Chenxu Liu, Jinglin Zhou, Meng Meng, Fang Yang, Qinghua Zhang, Xiaoran Liu, Sobhit Singh, Huan-hua Wang, and Jiandong Guo	
Interaction corrections to the thermopower of the disordered two-dimensional electron gas (<i>6 pages</i>)	L041404
Zahidul Islam Jitu and Georg Schwiete	
Atomic-level precision creation and manipulation of interfacial Se chemisorbates in graphene/ WSe_2 heterostructures (<i>7 pages</i>)	L041405
Mo-Han Zhang, Fei Gao, Aleksander Bach Lorentzen, Ya-Ning Ren, Ruo-Han Zhang, Xiao-Feng Zhou, Rui Dong, Shi-Wu Gao, Mads Brandbyge, and Lin He	
☞ Giant resonant skew scattering of plasma waves in a two-dimensional electron gas (<i>7 pages</i>)	L041406
Cooper Finnigan and Dmitry K. Efimkin	
☞ Moiré metal for catalysis (<i>5 pages</i>)	L041407
Yang Zhang, Claudia Felser, and Liang Fu	

ARTICLES

Electronic structure and strongly correlated systems

Nonstabilizerness versus entanglement in matrix product states (<i>13 pages</i>)	045101
M. Frau, P. S. Tarabunga, M. Collura, M. Dalmonte, and E. Tirrito	
Phonon softening and atomic modulations in EuAl_4 (<i>9 pages</i>)	045102
A. N. Korshunov, A. S. Sukhanov, S. Gebel, M. S. Pavlovskii, N. D. Andriushin, Y. Gao, J. M. Moya, E. Morosan, and M. C. Rahn	
Asymmetric transmission through a classical analogue of the Aharonov-Bohm ring (<i>14 pages</i>)	045103
Lei Chen, Isabella L. Giovannelli, Nadav Shaibe, and Steven M. Anlage	
☞ Tensor network influence functionals in the continuous-time limit: Connections to quantum embedding, bath discretization, and higher-order time propagation (<i>16 pages</i>)	045104
Gunhee Park (박건희), Nathan Ng, David R. Reichman, and Garnet Kin-Lic Chan	
Periodic lattice microscopic rate equation model for upconversion dynamics and determination of energy transfer microparameters (<i>10 pages</i>)	045105
Boyu Tian, Lin Fu, Yusong Wu, Guanyao Huang, and Tairan Fu	
Infinite Grassmann time-evolving matrix product operator method in the steady state (<i>11 pages</i>)	045106
Chu Guo and Ruofan Chen	
Topological phase transitions of interacting fermions in the presence of a commensurate magnetic flux (<i>17 pages</i>)	045107
Axel Fünfhaus, Marius Möller, Thilo Kopp, and Roser Valentí	
Systematic compactification of the two-channel Kondo model. I. Consistent bosonization-debosonization approach and exact comparisons (<i>16 pages</i>)	045108
Aleksandar Ljepoja, C. J. Bolech, and Nayana Shah	

(Continued)

Low-frequency divergence of circular photomagnetic effect in topological semimetals (<i>6 pages</i>)	L041114
Jin Cao, Chuanchang Zeng, Xiao-Ping Li, Maoyuan Wang, Shengyuan A. Yang, Zhi-Ming Yu, and Yugui Yao	
Exciton- and light-induced ferromagnetism from doping a moiré Mott insulator (<i>6 pages</i>)	L041115
Hui Yang and Ya-Hui Zhang	
Contrasting magnetothermal conductivity in sibling Co-based honeycomb-lattice antiferromagnets (<i>6 pages</i>) . . .	L041116
Masato Ueno, Takashi Kurumaji, Shunsuke Kitou, Masaki Gen, Yuiga Nakamura, Yusuke Tokunaga, and Taka-hisa Arima	
Kinetic-to-magnetic frustration crossover and linear confinement in the doped triangular $t - J$ model (<i>6 pages</i>)	L041117
Henning Schlömer, Ulrich Schollwöck, Annabelle Bohrdt, and Fabian Grusdt	
Measure of an ultranarrow topological gap via quantum noise (<i>7 pages</i>)	L041118
Alexander Kruchkov and Shinsei Ryu	
Valley-driven orbital polarization induced by a magnetic impurity in monolayer NbSe ₂ (<i>6 pages</i>)	L041119
Amit Chauhan, Mayank Gupta, Tapesh Gautam, B. R. K. Nanda, and S. Satpathy	
Exploring possible Fermi surface nesting and the nature of heavy quasiparticles in the spin-triplet superconductor candidate CeRh ₂ As ₂ (<i>7 pages</i>)	L041120
Bo Chen, Hao Liu, Qi-Yi Wu, Chen Zhang, Xue-Qing Ye, Yin-Zou Zhao, Jiao-Jiao Song, Xin-Yi Tian, Ba-Lei Tan, Zheng-Tai Liu, Mao Ye, Zhen-Hua Chen, Yao-Bo Huang, Da-Wei Shen, Ya-Hua Yuan, Jun He, Yu-Xia Duan, and Jian-Qiao Meng	
Complex magnetic and spatial symmetry breaking from correlations in kagome flat bands (<i>7 pages</i>)	L041121
Yu-Ping Lin, Chunxiao Liu, and Joel E. Moore	
Efficient simulation of low-temperature physics in one-dimensional gapless systems (<i>6 pages</i>)	L041122
Yuya Kusuki, Kotaro Tamaoka, Zixia Wei, and Yasushi Yoneta	
Semiconductors I: bulk	
Indirect-to-direct band gap transition induced by d - d coupling between cations in rare-earth chalcogenide perovskites (<i>7 pages</i>)	L041201
Han Zhang, Yichun Pan, Zexin Liu, Biao Zeng, Xiaowei Wu, Chen Ming, Guoqing Xin, Weihang Zhou, Hao Zeng, Shengbai Zhang, and Yi-Yang Sun	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Renormalization of the valley Hall conductivity due to interparticle interaction (<i>6 pages</i>)	L041301
D. S. Eliseev, A. V. Parafilo, V. M. Kovalev, O. V. Kibis, and I. G. Savenko	
Surface physics, nanoscale physics, low-dimensional systems	
Spin-polarized saddle points in the topological surface states of elemental bismuth revealed by pump-probe spin- and angle-resolved photoemission spectroscopy (<i>7 pages</i>)	L041401
Yuto Fukushima, Kaishu Kawaguchi, Kenta Kuroda, Masayuki Ochi, Motoaki Hirayama, Ryo Mori, Hiroaki Tanaka, Ayumi Harasawa, Takushi Iimori, Zhigang Zhao, Shuntaro Tani, Koichiro Yaji, Shik Shin, Fumio Komori, Yohei Kobayashi, and Takeshi Kondo	

(Continued)

LETTERS

Electronic structure and strongly correlated systems

- Asymmetric dynamical charges in two-dimensional ferroelectrics (*6 pages*) L041101
Daniel Bennett and Philippe Ghosez
- ☞ Ring structure in the complex plane: A fingerprint of a non-Hermitian mobility edge (*8 pages*) L041102
Shan-Zhong Li and Zhi Li
- Dual bulk-boundary correspondence in a nonreciprocal spin-orbit coupled zigzag lattice (*8 pages*) L041103
Lingfang Li, Chong Hou, Gangzhou Wu, Yang Ruan, Shihua Chen, Luqi Yuan, and Zhenhua Ni
- Bulk photovoltaic effects in helimagnets (*6 pages*) L041104
Chunmei Zhang, Hanqi Pi, and Jian Zhou
- ☞ Intertwined magnetism and superconductivity in isolated correlated flat bands (*6 pages*) L041105
Xuepeng Wang, J. F. Mendez-Valderrama, Johannes S. Hofmann, and Debanjan Chowdhury
- Magnetic field induced critical dynamics in magnetoelectric TbPO₄ (*5 pages*) L041106
Ch. P. Grams, M. Grüninger, and J. Hemberger
- Principal deuterium Hugoniot via quantum Monte Carlo and Δ -learning (*7 pages*) L041107
Giacomo Tenti, Kousuke Nakano, Andrea Tirelli, Sandro Sorella, and Michele Casula
- Topological flat bands, valley polarization, and interband superconductivity in magic-angle twisted bilayer graphene with proximitized spin-orbit couplings (*8 pages*) L041108
Yang-Zhi Chou, Yuting Tan, Fengcheng Wu, and Sankar Das Sarma
- Photoinduced ferromagnetic and superconducting orders in multiorbital Hubbard models (*6 pages*) L041109
Sujay Ray and Philipp Werner
- ☞ Multilocal Majorana zero modes (*7 pages*) L041110
Yutaro Nagae, Andreas P. Schnyder, Yukio Tanaka, Yasuhiro Asano, and Satoshi Ikegaya
- Orbital-selective superconductivity in the pressurized bilayer nickelate La₃Ni₂O₇: An infinite projected entangled-pair state study (*7 pages*) L041111
Jialin Chen, Fan Yang, and Wei Li
- Entanglement signatures of a percolating quantum system (*7 pages*) L041112
Subrata Pachhal and Adhip Agarwala
- ☞ Chiral spin liquid versus Mott antiferromagnetism in the triangular-lattice Hubbard model (*6 pages*) L041113
Zheng Zhu



(Continued)

