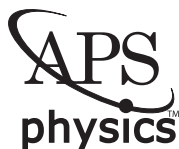


LETTERS

Electronic structure and strongly correlated systems

- Matrix product states for Hartree-Fock-Bogoliubov wave functions (*5 pages*) L081101
Hui-Ke Jin, Rong-Yang Sun, Yi Zhou, and Hong-Hao Tu
- Weyl nodes with higher-order topology in an optically driven nodal-line semimetal (*8 pages*) L081102
Xiu-Li Du, Rui Chen, Rui Wang, and Dong-Hui Xu
- Vanishing Hall conductance for commuting Hamiltonians (*5 pages*) L081103
Carolyn Zhang, Michael Levin, and Sven Bachmann
- ☞ Exotic magnetic and electronic properties of layered CrI₃ single crystals under high pressure (*6 pages*) L081104
Anirudha Ghosh, D. Singh, T. Aramaki, Qingge Mu, V. Borisov, Y. Kvashnin, G. Haider, M. Jonak,
D. Chareev, S. A. Medvedev, R. Klingeler, M. Mito, E. H. Abdul-Hafidh, J. Vejpravova, M. Kalbáč,
R. Ahuja, Olle Eriksson, and Mahmoud Abdel-Hafiez
- Relaxation at different length scales in models of many-body localization (*6 pages*) L081105
J. Herbrych, M. Mierzejewski, and P. Prelovšek
- Ab initio* theory of magnetism in two-dimensional 1T-TaS₂ (*6 pages*) L081106
Diego Pasquier and Oleg V. Yazyev
- Experimental realization of topological corner states in long-range-coupled electrical circuits (*6 pages*) L081107
Nikita A. Olekhno, Alina D. Rozenblit, Valerii I. Kachin, Alexey A. Dmitriev, Oleg I. Burmistrov,
Pavel S. Seregin, Dmitry V. Zhirihin, and Maxim A. Gorlach
- Moiré induced topology and flat bands in twisted bilayer WSe₂: A first-principles study (*6 pages*) L081108
Sudipta Kundu, Mit H. Naik, H. R. Krishnamurthy, and Manish Jain
- Meta-GGA exchange-correlation free energy density functional to increase the accuracy of warm dense
matter simulations (*7 pages*) L081109
Valentin V. Karasiev, D. I. Mihaylov, and S. X. Hu
- Single-particle mobility edge without disorder (*6 pages*) L081110
Donny Dwiputra and Freddy P. Zen
- Local magnetic moment formation and Kondo screening in the half-filled single-band
Hubbard model (*6 pages*) L081111
T. B. Mazitov and A. A. Katanin



Non-Hermitian $C_{\text{NH}} = 2$ Chern insulator protected by generalized rotational symmetry (6 pages)	L081112
Kai Chen and Alexander B. Khanikaev	
Charge ordering mechanism in silver difluoride (6 pages)	L081113
Mariana Derzsi, Kamil Tokár, Przemysław Piekarczyk, and Wojciech Grochala	
Addressing shape and extent of Weyl cones in TaAs by Landau level spectroscopy (5 pages)	L081114
D. Santos-Cottin, J. Wyzula, F. Le Mardelé, I. Crassee, E. Martino, J. Novák, G. Eguchi, Z. Rukelj, M. Novak, M. Orlita, and Ana Akrap	
Floquet valley-polarized quantum anomalous Hall state in nonmagnetic heterobilayers (7 pages)	L081115
Fangyang Zhan, Zhen Ning, Li-Yong Gan, Baobing Zheng, Jing Fan, and Rui Wang	
Hubbard model for spin-1 Haldane chains (5 pages)	L081116
G. Catarina and J. Fernández-Rossier	
Non-Abelian braiding of Weyl nodes via symmetry-constrained phase transitions (8 pages)	L081117
Siyu Chen, Adrien Bouhon, Robert-Jan Slager, and Bartomeu Monserrat	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Floquet vortex states induced by light carrying an orbital angular momentum (6 pages)	L081301
Hwanmun Kim, Hossein Dehghani, Iman Ahmadabadi, Ivar Martin, and Mohammad Hafezi	
Surface physics, nanoscale physics, low-dimensional systems	
Atomic-scale control of plasmon modes in graphene nanoribbons (7 pages)	L081401
François Aguilon, Dana Codruta Marinica, and Andrei G. Borisov	
Superconductivity of neutral modes in quantum Hall edges (5 pages)	L081402
Jukka I. Väyrynen, Moshe Goldstein, and Yuval Gefen	
Violation of the Wiedemann-Franz law in the topological Kondo model (6 pages)	L081403
Francesco Buccheri, Andrea Nava, Reinhold Egger, Pasquale Sodano, and Domenico Giuliano	
Real-space detection and manipulation of two-dimensional quantum well states in few-layer MoS ₂ (8 pages)	L081404
Yu Wang, Linlu Wu, Zheng Wei, Zijia Liu, Peng Cheng, Yiqi Zhang, Baojie Feng, Guangyu Zhang, Wei Ji, Kehui Wu, and Lan Chen	
Gate-defined wires in twisted bilayer graphene: From electrical detection of intervalley coherence to internally engineered Majorana modes (7 pages)	L081405
Alex Thomson, Ina M. Sorensen, Stevan Nadj-Perge, and Jason Alicea	
Fermionic Chern insulator from twisted light with linear polarization (6 pages)	L081406
Utso Bhattacharya, Swati Chaudhary, Tobias Grass, Allan S. Johnson, Simon Wall, and Maciej Lewenstein	
Metals, fractional metals, and superconductivity in rhombohedral trilayer graphene (5 pages)	L081407
András L. Szabó and Bitan Roy	
Strain-tuning of domain walls in multilayer graphene probed in the quantum Hall regime (8 pages)	L081408
Paul Anderson, Yifan Huang, Yuanjun Fan, Sara Qubbaj, Sinisa Coh, Qin Zhou, and Claudia Ojeda-Aristizabal	

(Continued)

Multiple strong topological gaps and hexagonal warping in Bi_4Te_3 (6 pages)	L081409
Thais Chagas, Omar A. Ashour, Guilherme A. S. Ribeiro, Wendell S. Silva, Zhenglu Li, Steven G. Louie, Rogério Magalhães-Paniago, and Yves Petroff	
Electronic pumping of heat without charge transfer (5 pages)	L081410
A. V. Andreev	

ARTICLES

Electronic structure and strongly correlated systems

Photon absorption of two-dimensional nonsymmorphic Dirac semimetals (9 pages)	085101
Amarnath Chakraborty, Guang Bian, and Giovanni Vignale	
Causal versus local $\text{GW} + \text{EDMFT}$ scheme and application to the triangular-lattice extended Hubbard model (18 pages)	085102
Jiyu Chen, Francesco Petocchi, and Philipp Werner	
Spin-orbit interactions may relax the rigid conditions leading to flat bands (16 pages)	085103
Nóra Kucska and Zsolt Gulácsi	
Torsion, energy magnetization, and thermal Hall effect (12 pages)	085104
Ze-Min Huang, Bo Han, and Xiao-Qi Sun	
Anisotropic magnetism and antiferromagnetic ordering in the Kondo-lattice compound YbCuAs_2 (8 pages)	085105
David Evans, Sarah Dunsiger, and Eundeok Mun	
Detecting topological phase transitions through entanglement between disconnected partitions in a Kitaev chain with long-range interactions (12 pages)	085106
Saikat Mondal, Souvik Bandyopadhyay, Sourav Bhattacharjee, and Amit Dutta	
Theoretical study of the crystal and electronic properties of $\alpha\text{-RuI}_3$ (8 pages)	085107
Yang Zhang, Ling-Fang Lin, Adriana Moreo, and Elbio Dagotto	
Magnetism and magnetotransport in the kagome antiferromagnet Mn_3Ge (12 pages)	085108
Gaurav Chaudhary, Anton A. Burkov, and Olle G. Heinonen	
Discriminant indicators with generalized inversion symmetry (7 pages)	085109
Tsuneya Yoshida, Ryo Okugawa, and Yasuhiro Hatsugai	
Hidden one-dimensional, strongly nested, and almost half-filled Fermi surface in $\text{Ba}_2\text{CuO}_{3+y}$ superconductors (6 pages)	085110
Paul Worm, Motoharu Kitatani, Jan M. Tomczak, Liang Si, and Karsten Held	
Theory of exciton-phonon coupling (14 pages)	085111
Gabriel Antonius and Steven G. Louie	
Critical behaviors of lattice $U(1)$ gauge models and three-dimensional Abelian-Higgs gauge field theory (10 pages)	085112
Claudio Bonati, Andrea Pelissetto, and Ettore Vicari	
Tensor theory for higher-dimensional Chern insulators with large Chern numbers (8 pages)	085113
Kai Wang, Jia-Xiao Dai, L. B. Shao, Shengyuan A. Yang, and Y. X. Zhao	

(Continued)

Multigap topology and non-Abelian braiding of phonons from first principles (<i>17 pages</i>)	085115
Bo Peng, Adrien Bouhon, Robert-Jan Slager, and Bartomeu Monserrat	
Gain-dependent Purcell enhancement, breakdown of Einstein's relations, and superradiance in nanolasers (<i>8 pages</i>)	085116
Andrey A. Vyshnevyy	
Systematic investigation of emergent particles in type-III magnetic space groups (<i>8 pages</i>)	085117
Gui-Bin Liu (刘贵斌), Zeying Zhang (张泽英), Zhi-Ming Yu (余智明), Shengyuan A. Yang (杨声远), and Yugui Yao (姚裕贵)	
Correlated electronic structure of a quintuple-layer nickelate (<i>10 pages</i>)	085118
Harrison LaBollita and Antia S. Botana	
Unveiling the Kondo cloud: Unitary renormalization-group study of the Kondo model (<i>17 pages</i>)	085119
Anirban Mukherjee, Abhirup Mukherjee, N. S. Vidhyadhiraja, A. Taraphder, and Siddhartha Lal	
Spin liquid to spin glass crossover in the random quantum Heisenberg magnet (<i>13 pages</i>)	085120
Maine Christos, Felix M. Haehl, and Subir Sachdev	
Charge dynamics in magnetically disordered Mott insulators (<i>13 pages</i>)	085121
Philip Bleicker, Dag-Björn Hering, and Götz S. Uhrig	
Single-impurity Anderson model out of equilibrium: A two-particle semianalytic approach (<i>15 pages</i>)	085122
Jiawei Yan and Václav Janiš	
Phononic real Chern insulator with protected corner modes in graphynes (<i>7 pages</i>)	085123
Jiaojiao Zhu, Weikang Wu, Jianzhou Zhao, Cong Chen, Qianqian Wang, Xian-Lei Sheng, Lifa Zhang, Y. X. Zhao, and Shengyuan A. Yang	
Photon-modulated linear and nonlinear anomalous Hall effects in type-II semi-Dirac semimetals (<i>8 pages</i>)	085124
Jin-Na Chen, Yan-Yan Yang, Yong-Long Zhou, Yong-Jia Wu, Hou-Jian Duan, Ming-Xun Deng, and Rui-Qiang Wang	
Measurable fractional spin for quantum Hall quasiparticles on the disk (<i>17 pages</i>)	085125
Tommaso Comparin, Alvin Opler, Elia Macaluso, Alberto Biella, Alexios P. Polychronakos, and Leonardo Mazza	
Kondo cloud in a one-dimensional nanowire (<i>11 pages</i>)	085126
Joseph Kleinhenz, Igor Krivenko, Guy Cohen, and Emanuel Gull	
Improving the transferability of density functional theory predictions through correlation analysis: Structural and energetic properties of NiX alloys ($X = \text{C, Si, Ge, and Sn}$) (<i>13 pages</i>)	085127
Ageo Meier de Andrade, Jolla Kullgren, and Peter Broqvist	
Orbital design of flat bands in non-line-graph lattices via line-graph wave functions (<i>8 pages</i>)	085128
Hang Liu, Gurjyot Sethi, Sheng Meng, and Feng Liu	
Hydrostatic pressure-induced magnetic and topological phase transitions in the MnBi_2Te_4 family of materials (<i>9 pages</i>)	085129
Zhiming Xu, Meng Ye, Jiaheng Li, Wenhui Duan, and Yong Xu	
Mapping between Morita-equivalent string-net states with a constant depth quantum circuit (<i>12 pages</i>)	085130
Laurens Lootens, Bram Vancraeynest-De Cuiper, Norbert Schuch, and Frank Verstraete	

(Continued)

Revised phase diagram of the high- T_c cuprate superconductor Pb-doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ revealed by anisotropic transport measurements (9 pages)	085131
Keiichi Harada, Yuki Teramoto, Tomohiro Usui, Kenji Itaka, Takenori Fujii, Takashi Noji, Haruka Taniguchi, Michiaki Matsukawa, Hajime Ishikawa, Koichi Kindo, Daniel S. Dessau, and Takao Watanabe	
Thermal transport properties and some hydrodynamic-like behavior in three-dimensional topological semimetal ZrTe_5 (7 pages)	085132
Chang-woo Cho, Peipei Wang, Fangdong Tang, Sungkyun Park, Mingquan He, Rolf Lortz, Genda Gu, Qiang Li, and Liyuan Zhang	
Combining semilocal exchange with dynamical mean-field theory: Electronic structure and optical response of rare-earth sesquioxides (9 pages)	085133
James Boust, Anna Galler, Silke Biermann, and Leonid V. Pourovskii	
Spin-polarized imaging of strongly interacting fermions in the ferrimagnetic state of the Weyl candidate CeBi (10 pages)	085134
Christian E. Matt, Yu Liu, Harris Pirie, Nathan C. Drucker, Na Hyun Jo, Brinda Kuthanazhi, Zhao Huang, Christopher Lane, Jian-Xin Zhu, Paul C. Canfield, and Jennifer E. Hoffman	
Partial Kondo screening and anomalous thermal conductance (6 pages)	085135
Hee Seung Kim, Hyeok-Jun Yang, and SungBin Lee	
Fermion dispersion renormalization in a two-dimensional semi-Dirac semimetal (9 pages)	085136
Hao-Fu Zhu, Xiao-Yin Pan, and Guo-Zhu Liu	
Mixed-valent metallic pyrochlore iridate: A possible route to non-Fermi liquids (8 pages)	085137
Md Salman Khan, Ilaria Carlomagno, Carlo Meneghini, P. K. Biswas, Fabrice Bert, Subham Majumdar, and Sugata Ray	
Hidden breathing kagome topology in hexagonal transition metal dichalcogenides (8 pages)	085138
Jun Jung and Yong-Hyun Kim	
Prototypical many-body signatures in transport properties of semiconductors (27 pages)	085139
Matthias Pickem, Emanuele Maggio, and Jan M. Tomczak	
The case of $\text{SU}(3)$ criticality in spin-2 chains (13 pages)	085140
Chengshu Li, Victor L. Quito, Eduardo Miranda, Rodrigo Pereira, Ian Affleck, and Pedro L. S. Lopes	
☞ Anomalous Gurzhi effect (18 pages)	085141
P. O. Sukhachov and Björn Trauzettel	
Spin-orbit coupling induced demagnetization in Ni: <i>Ab initio</i> nonadiabatic molecular dynamics perspective (7 pages)	085142
Zhenfa Zheng, Qijing Zheng, and Jin Zhao	
Imaging of current crowding effect across the metal to insulator transition in a NdNiO_3 thin film with thickness gradient (7 pages)	085143
Nirmal Roy, Sayantan Ghosh, Suprotim Saha, G. L. Prajapati, Rahul Dagar, D. S. Rana, and S. S. Banerjee	
Comparing the influence of Floquet dynamics in various Kitaev-Heisenberg materials (9 pages)	085144
Pascal Strobel and Maria Daghofer	
Large-time and long-distance asymptotics of the thermal correlators of the impenetrable anyonic lattice gas (12 pages)	085145
Yuri Zhuravlev, Eduard Naichuk, Nikolai Iorgov, and Oleksandr Gamayun	

(Continued)

Electride properties of ternary silicide and germanide of La and Ce (<i>9 pages</i>)	085146
Alexey A. Dyachenko, Alexey V. Lukoyanov, Vladimir I. Anisimov, and Artem R. Oganov	
Sachdev-Ye-Kitaev type physics in the strained Kitaev honeycomb model (<i>13 pages</i>)	085147
Mikael Fremling and Lars Fritz	
Many-body Green's function approaches to the doped Fröhlich solid: Exact solutions and anomalous mass enhancement (<i>24 pages</i>)	085148
Nikolaus Kandolf, Carla Verdi, and Feliciano Giustino	
Semilocal approximations to the Kohn-Sham exchange potential as applied to a metal surface (<i>10 pages</i>)	085149
C. M. Horowitz, C. R. Proetto, and J. M. Pitarke	
Electronic structure of higher-order Ruddlesden-Popper nickelates (<i>11 pages</i>)	085150
Myung-Chul Jung, Jesse Kapeghian, Chase Hanson, Betül Pamuk, and Antia S. Botana	
 Valence-bond solid to antiferromagnet transition in the two-dimensional Su-Schrieffer-Heeger model by Langevin dynamics (<i>13 pages</i>)	085151
A. Götz, S. Beyl, M. Hohenadler, and F. F. Assaad	
Laughlin topology on fractal lattices without area law entanglement (<i>10 pages</i>)	085152
Xikun Li, Mani Chandra Jha, and Anne E. B. Nielsen	
Theoretical investigation of crystalline electric field influence on the magnetocaloric effect in the cubic praseodymium system PrNi_2 (<i>5 pages</i>)	085153
P. J. von Ranke and W. S. Torres	
Bound on resistivity in flat-band materials due to the quantum metric (<i>11 pages</i>)	085154
Johannes Mitscherling and Tobias Holder	
Fe^{3+} -hosting carbon phases in the deep Earth (<i>10 pages</i>)	085155
Christian Albers, Robin Sakrowski, Lélia Libon, Georg Spiekermann, Björn Winkler, Christian Schmidt, Lkhamsuren Bayarjargal, Valerio Cerantola, Stella Chariton, Nico Giordano, Hlynur Gretarsson, Johannes Kaa, Hanns-Peter Liermann, Martin Sundermann, Nicola Thiering, Metin Tolan, Max Wilke, and Christian Sternemann	
Semiconductors I: bulk	
First-principles mobility prediction for amorphous semiconductors (<i>7 pages</i>)	085201
Yeonghun Lee, Yaoqiao Hu, Dongwook Kim, Suman Datta, and Kyeongjae Cho	
Accurate and fast master equation modeling of triplet-triplet annihilation in organic phosphorescent emission layers including correlations (<i>14 pages</i>)	085202
M. Taherpour, C. van Hoesel, R. Coehoorn, and P. A. Bobbert	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Evolution between quantum Hall and conducting phases: Simple models and some results (<i>17 pages</i>)	085301
Zhihuan Dong and T. Senthil	
Relaxation and darkening of excitonic complexes in electrostatically doped monolayer WSe_2 : Roles of exciton-electron and trion-electron interactions (<i>17 pages</i>)	085302
Min Yang, Lei Ren, Cedric Robert, Dinh Van Tuan, Laurent Lombez, Bernhard Urbaszek, Xavier Marie, and Hanan Dery	

(Continued)

Interlayer exciton valley polarization dynamics in large magnetic fields (<i>9 pages</i>)	085303
Johannes Holler, Malte Selig, Michael Kempf, Jonas Zipfel, Philipp Nagler, Manuel Katzer, Florian Katsch, Mariana V. Ballottin, Anatolie A. Mitroglu, Alexey Chernikov, Peter C. M. Christianen, Christian Schüller, Andreas Knorr, and Tobias Korn	
Coexistence of topological type-II Weyl and triply degenerate points in a chiral photonic metamaterial (<i>9 pages</i>)	085304
Mingzhu Li, Jie Song, and Yongyuan Jiang	
Influence of (N,H)-terminated surfaces on stability, hyperfine structure, and zero-field splitting of NV centers in diamond (<i>10 pages</i>)	085305
Wolfgang Körner, Reyhaneh Ghassemizadeh, Daniel F. Urban, and Christian Elsässer	
Quantum theory of two-dimensional materials coupled to electromagnetic resonators (<i>23 pages</i>)	085306
Emil V. Denning, Martijn Wubs, Nicolas Stenger, Jesper Mørk, and Philip Trøst Kristensen	
Plasma-assisted vapor liquid phase epitaxial growth of dilute $\text{GaSb}_x\text{N}_{1-x}$ and $\text{GaBi}_y\text{N}_{1-y}$ alloys: Confirmation of band gap reduction discontinuity (<i>7 pages</i>)	085307
Sonia Juliana Calero-Barney, Antonis N. Andriotis, Madhu Menon, and Mahendra Sunkara	
Surface physics, nanoscale physics, low-dimensional systems	
Topological phase transition driven by magnetic field in one-dimensional topological superconductor rings (<i>8 pages</i>)	085401
Cheng-Ming Miao, Qing-Feng Sun, and Ying-Tao Zhang	
Quasi-one-dimensional ^4He in nanopores (<i>8 pages</i>)	085402
Andrea Nava, Domenico Giuliano, Phong H. Nguyen, and Massimo Boninsegni	
Nonreciprocal photocurrent in the nonlinear response of two-dimensional models (<i>9 pages</i>)	085403
F. Mahmoudi and Reza Asgari	
Pump-induced terahertz anisotropy in bilayer graphene (<i>9 pages</i>)	085404
Angelika Seidl, Roozbeh Anvari, Marc M. Dignam, Peter Richter, Thomas Seyller, Harald Schneider, Manfred Helm, and Stephan Winnerl	
Spontaneous orbital magnetization of mesoscopic dipole dimers (<i>13 pages</i>)	085405
Gaëtan J. Percebois, Dietmar Weinmann, Rodolfo A. Jalabert, and Guillaume Weick	
Thin films of topological nodal line semimetals as a candidate for efficient thermoelectric converters (<i>9 pages</i>)	085406
Masashi Hosoi, Ikuma Tateishi, Hiroyasu Matsuura, and Masao Ogata	
Optical coherent injection of carrier and current in twisted bilayer graphene (<i>9 pages</i>)	085407
Ze Zheng, Ying Song, Yu Wei Shan, Wei Xin, and Jin Luo Cheng	
Tuning valley splitting and magnetic anisotropy of multiferroic CuMP_2X_6 ($M = \text{Cr}, \text{V}$; $X = \text{S}, \text{Se}$) monolayer (<i>7 pages</i>)	085408
Dehe Zhang, Aolin Li, Xincheng Chen, Wenzhe Zhou, and Fangping Ouyang	
Second-harmonic generation in atomically thin 1T-TiSe ₂ and its possible origin from charge density wave transitions (<i>9 pages</i>)	085409
Ruiming Zhang, Wei Ruan, Junyao Yu, Libo Gao, Helmuth Berger, László Forró, Kenji Watanabe, Takashi Taniguchi, Ahmad Ranjbar, Rodion V. Belosludov, Thomas D. Kühne, Mohammad Saeed Bahramy, and Xiaoxiang Xi	

(Continued)

Phonon-limited transport and Fermi arc lifetime in Weyl semimetals (24 pages)	085410
Francesco Bucchieri, Alessandro De Martino, Rodrigo G. Pereira, Piet W. Brouwer, and Reinhold Egger	
Corner modes of the breathing kagome lattice: Origin and robustness (17 pages)	085411
M. A. J. Herrera, S. N. Kempkes, M. Blanco de Paz, A. García-Etxarri, I. Swart, C. Morais Smith, and D. Bercioux	
Experimental evidence for dissipationless transport of the chiral edge state of the high-field Chern insulator in MnBi_2Te_4 nanodevices (6 pages)	085412
Zhe Ying, Shuai Zhang, Bo Chen, Bin Jia, Fucong Fei, Minhao Zhang, Haijun Zhang, Xuefeng Wang, and Fengqi Song	
Nanopatterning of rotating highly oriented pyrolytic graphite (0001) surfaces by ion beam irradiation: Experiments and modeling (17 pages)	085413
Eunsu Lee, J. Seo, J. Muñoz-García, M. Castro, R. Cuerno, and J.-S. Kim	
Crosstalk analysis for simultaneously driven two-qubit gates in spin qubit arrays (8 pages)	085414
Irina Heinz and Guido Burkard	
Electron beam splitting at topological insulator surface states and a proposal for electronic Goos-Hänchen shift measurement (11 pages)	085415
Hassan Ghadiri and Alireza Saffarzadeh	
Signatures of atomic structure in subfemtosecond laser-driven electron dynamics in nanogaps (8 pages)	085416
Luke Bhan, Cody Covington, and Kálmán Varga	
Rotating Majorana zero modes in a disk geometry (14 pages)	085417
Liu Yang, Alessandro Principi, and Niels R. Walet	
Proxy ensemble geometric phase and proxy index of time-reversal invariant topological insulators at finite temperatures (10 pages)	085418
Aixin Pi, Ye Zhang, Yan He, and Chih-Chun Chien	
Electron-phonon coupling, thermal expansion coefficient, resonance effect, and phonon dynamics in high-quality CVD-grown monolayer and bilayer MoSe_2 (9 pages)	085419
Deepu Kumar, Vivek Kumar, Rahul Kumar, Mahesh Kumar, and Pradeep Kumar	
Local equilibrium charge and spin currents in two-dimensional topological systems (17 pages)	085420
Leandro R. F. Lima and Caio Lewenkopf	
Selective observation of surface and bulk bands in polar WTe_2 by laser-based spin- and angle-resolved photoemission spectroscopy (7 pages)	085421
Yuxuan Wan, Lihai Wang, Kenta Kuroda, Peng Zhang, Keisuke Koshiishi, Masahiro Suzuki, Jaewook Kim, Ryo Noguchi, Cédric Bareille, Koichiro Yaji, Ayumi Harasawa, Shik Shin, Sang-Wook Cheong, Atsushi Fujimori, and Takeshi Kondo	
Supersymmetric free fermions and bosons: Locality, symmetry, and topology (11 pages)	085423
Zongping Gong, Robert H. Jonsson, and Daniel Malz	
Numerical study of PbTe - Pb hybrid nanowires for engineering Majorana zero modes (19 pages)	085424
Zhan Cao, Dong E. Liu, Wan-Xiu He, Xin Liu, Ke He, and Hao Zhang	