

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 104, NUMBER 20

NOVEMBER 2021-15(II)

Third-order polarizability of interlayer excitons in heterobilayers (<i>12 pages</i>)	205433
M. F. C. Martins Quintela, J. C. G. Henriques, and N. M. R. Peres	
Electromagnetically induced transparency from first-order dynamical systems (<i>12 pages</i>)	205434
Marco Clementi, Matteo Galli, Liam O’Faolain, and Dario Gerace	
Neural network architectures based on the classical XY model (<i>12 pages</i>)	205435
Nikita Stroev and Natalia G. Berloff	

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 104, NUMBER 20

NOVEMBER 2021-15(II)

Enhancing the detection of laser-excited strain waves via transparent nanolayers (<i>8 pages</i>)	205416
Hao Zhang, Alessandro Antoncetti, Stephen Edward, Paul Planken, and Stefan Witte	
Manipulating Majorana qubit states without braiding (<i>10 pages</i>)	205417
Fei-Lei Xiong, Hon-Lam Lai, and Wei-Min Zhang	
Dynamic impurities in two-dimensional topological-insulator edge states (<i>9 pages</i>)	205418
Simon Wozny, Martin Leijnse, and Sigurdur I. Erlingsson	
Semimetallic square-octagon two-dimensional polymer with high mobility (<i>7 pages</i>)	205419
Tsai-Jung Liu, Maximilian A. Springer, Niclas Heinsdorf, Agnieszka Kuc, Roser Valentí, and Thomas Heine	
Heat transport in a two-level system driven by a time-dependent temperature (<i>11 pages</i>)	205420
Pedro Portugal, Christian Flindt, and Nicola Lo Gullo	
Superexchange-induced valley splitting in two-dimensional transition metal dichalcogenides: A first-principles study for rational design (<i>9 pages</i>)	205421
E. A. Peterson, J. B. Haber, and J. B. Neaton	
Emerging nonlinear Hall effect in Kane-Mele two-dimensional topological insulators (<i>10 pages</i>)	205422
Rajesh K. Malla, Avadh Saxena, and Wilton J. M. Kort-Kamp	
Influence of the spin-orbit split-off valence band on the hole g factor in semiconductor nanocrystals (<i>20 pages</i>)	205423
M. A. Semina, A. A. Golovatenko, and A. V. Rodina	
Robust broadband directional plasmons in a MoOCl_2 monolayer (<i>7 pages</i>)	205424
Han Gao, Chao Ding, Lei Sun, Xikui Ma, and Mingwen Zhao	
Rashba-split surface state and spin-dependent photon emission from $\text{Re}(0001)$ at $\bar{\Gamma}$ (<i>8 pages</i>)	205425
Sven Schemmelmann, Peter Krüger, Fabian Schöttke, and Markus Donath	
☞ Spin transport at finite temperatures: A first-principles study for ferromagnetic nonmagnetic interfaces (<i>16 pages</i>)	205426
Kriti Gupta, Rien J. H. Wesselink, Zhe Yuan, and Paul J. Kelly	
Electron transport probing the electrically tunable topological phase transition in a Dirac semimetal (<i>9 pages</i>)	205427
Shunxi Tang, Wang Chen, Qian Ye, Zhengfang Liu, Qingping Wu, Yan Du, Xiaoying Zhou, and Xianbo Xiao	
Origin of C_{60} surface reconstruction resolved by atomic force microscopy (<i>5 pages</i>)	205428
Leonardo Forcieri, Simon Taylor, Philip Moriarty, and Samuel P. Jarvis	
Room-temperature non-Dirac quantum anomalous Hall states, half semiconductors, and strain-tuned half metals in monolayer zirconium trihalide (<i>15 pages</i>)	205429
Jiayong Zhang and Chunlan Ma	
Single-valley state in a two-dimensional antiferromagnetic lattice (<i>6 pages</i>)	205430
Xilong Xu, Zhonglin He, Ying Dai, Baibiao Huang, and Yandong Ma	
Superconductor/normal-metal/superconductor junction of topological superconductors revisited: Fractional Josephson current, fermion parity, and oscillating wave functions (<i>14 pages</i>)	205431
Shuntaro Sumita and Akira Furusaki	
Strain engineering of electronic and optical properties of monolayer diboron dinitride (<i>8 pages</i>)	205432
Salih Demirci, Soheil Ershad Rad, and Seymur Jahangirov	

(Continued)

Surface physics, nanoscale physics, low-dimensional systems

Large-gap quantum anomalous Hall effect in monolayer halide perovskite (8 pages)	205401
Zeyu Li, Yulei Han, and Zhenhua Qiao	
Spin-valley dependent Klein tunneling and perfect spin- and valley-polarized transport in a magnetic WSe ₂ superlattice (11 pages)	205402
Yaser Hajati, Mohammad Alipourzadeh, and Imam Makhfudz	
Robust gapped surface states and filtering effect in a photonic topological gyroelectromagnetic metamaterial (9 pages)	205403
Ning Han, Jianlong Liu, Yang Gao, Keya Zhou, and Shutian Liu	
Weak antilocalization in spin-orbit coupled lattice systems: Effect of nonadiabatic transitions and estimation of spin relaxation length (8 pages)	205404
Hiroshi Hayasaka	
Generalization of exceptional point conditions in perturbed coupled resonators (8 pages)	205405
Shahab Ramezanpour, Andrey Bogdanov, Andrea Alù, and Younes Ra'di	
Majorana ensembles with fractional entropy and conductance in nanoscopic systems (7 pages)	205406
Sergey Smirnov	
Partial gap in two-leg ladders with Rashba effect and its experimental signatures in Si(553)-Au (15 pages)	205407
Piotr Chudzinski, Julian Aulbach, Jörg Schäfer, Ralph Claessen, and Lenart Dudy	
Two particles on a chain with disordered interaction: Localization and dissociation of bound states and mapping to chaotic billiards (19 pages)	205408
Hugo Perrin, János K. Asbóth, Jean-Noël Fuchs, and Rémy Mosseri	
Inter- and intraband Coulomb interactions between holes in silicon nanostructures (20 pages)	205409
Andrea Secchi, Laura Bellentani, Andrea Bertoni, and Filippo Troiani	
Pauli principle and the Monte Carlo method for charge transport in graphene (10 pages)	205410
Marco Coco, Paolo Bordone, Lucio Demeio, and Vittorio Romano	
Fock-space geometry and strong correlations in many-body localized systems (9 pages)	205411
Christian P. Chen and Henning Schomerus	
Conductance oscillation in surface junctions of Weyl semimetals (11 pages)	205412
Xi-Rong Chen, Guangze Chen, Yue Zheng, Wei Chen, and D. Y. Xing	
Modeling of the photocurrent induced by inverse spin Hall effect under local circularly polarized photoexcitation (9 pages)	205413
Kuen Wai Tang, Bob Minyu Wang, Henry Clark Travaglini, and Dong Yu	
Structure of monolayer 2H-TaS ₂ on Au(111) (7 pages)	205414
Caio C. Silva, Daniela Dombrowski, Abdus Samad, Jiaqi Cai, Wouter Jolie, Joshua Hall, Paul T. P. Ryan, Pardeep K. Thakur, David A. Duncan, Tien-Lin Lee, Udo Schwingenschlögl, and Carsten Busse	
Stereoisomeric selection upon adsorption: A structural and optical study of curcuminoid derivatives on ultrathin films of KCl on Au(111) and on bulk KCl(001) (22 pages)	205415
Thomas Leoni, Laurent Nony, Elena Zaborova, Sylvain Clair, Frédéric Fagès, Franck Para, Alain Ranguis, Conrad Becker, and Christian Loppacher	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 104, NUMBER 20

NOVEMBER 2021-15(II)

Topological phase transition in a magnetic Weyl semimetal (<i>7 pages</i>)	205140
D. F. Liu, Q. N. Xu, E. K. Liu, J. L. Shen, C. C. Le, Y. W. Li, D. Pei, A. J. Liang, P. Dudin, T. K. Kim, C. Cacho, Y. F. Xu, Y. Sun, L. X. Yang, Z. K. Liu, C. Felser, S. S. P. Parkin, and Y. L. Chen	
Three-dimensional topological plasmons in Weyl semimetals (<i>12 pages</i>)	205141
Furu Zhang, Yang Gao, and Wei Zhang	
Self-duality protected multicriticality in deconfined quantum phase transitions (<i>20 pages</i>)	205142
Da-Chuan Lu, Cenke Xu, and Yi-Zhuang You	
Semiconductors I: bulk	
Rotational symmetry breaking on the Rydberg energy spectrum of indirect excitons in diamond studied by terahertz time-domain spectroscopy (<i>9 pages</i>)	205201
T. Ichii, N. Naka, and K. Tanaka	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Probing quantum nonlinearity of cavity-QED systems with quantum light (<i>8 pages</i>)	205301
C. Y. Hu and F. H. Yang	
Exciton-exciton and exciton-charge carrier interaction and exciton collisional broadening in GaAs/AlGaAs quantum wells (<i>14 pages</i>)	205302
B. F. Gribakin, E. S. Khramtsov, A. V. Trifonov, and I. V. Ignatiev	
Bardeen-Cooper-Schrieffer pairing of composite fermions (<i>17 pages</i>)	205303
Anirban Sharma, Songyang Pu, and J. K. Jain	
Highly superlinear giant terahertz photoconductance in GaAs quantum point contacts in the deep tunneling regime (<i>14 pages</i>)	205304
M. Otteneder, M. Hild, Z. D. Kvon, E. E. Rodyakina, M. M. Glazov, and S. D. Ganichev	
Theoretical study of the three-dimensional quantum Hall effect in a periodic electron system (<i>8 pages</i>)	205305
H. Geng, G. Y. Qi, L. Sheng, W. Chen, and D. Y. Xing	
Disentangling $4f$ -radical coupling and dissipative Landau-Zener quantum tunneling in a continuously measured single-ion magnet spin transistor (<i>8 pages</i>)	205306
Kieran Hymas and Alessandro Soncini	
Exciton-polariton properties of hexagonal BN-based microcavity and their potential applications in BEC and superconductivity (<i>11 pages</i>)	205307
Huaiyuan Yang, Xinqiang Wang, and Xin-Zheng Li	
Comparison of the semiclassical and quantum optical field dynamics in a pulse-excited optical cavity with a finite number of quantum emitters (<i>16 pages</i>)	205308
K. Jürgens, F. Lengers, D. Groll, D. E. Reiter, D. Wigger, and T. Kuhn	
Ratchet effect in frequency-modulated waveguide-coupled emitter arrays (<i>8 pages</i>)	205309
Alexander N. Poddubny and Leonid E. Golub	
Hysteretic capacitance-voltage characteristics of self-assembled quantum dots far from equilibrium with their environment (<i>8 pages</i>)	205310
L. Schnorr, O. Khokhi, L. Berg, T. Heinzl, C. Rothfuchs-Engels, S. Scholz, A. Ludwig, and A. D. Wieck	

(Continued)

Chiral anomaly induced nonlinear Hall effect in semimetals with multiple Weyl points (<i>7 pages</i>)	205124
Snehasish Nandy, Chuanchang Zeng, and Sumanta Tewari	
Topological Kondo device for distinguishing quasi-Majorana and Majorana signatures (<i>11 pages</i>)	205125
Donghao Liu, Zhan Cao, Xin Liu, Hao Zhang, and Dong E. Liu	
Electronic reconstruction and charge transfer in strained $\text{Sr}_2\text{CoIrO}_6$ double perovskite (<i>11 pages</i>)	205126
Jiongyao Wu, Marcel Zöllner, Sebastian Esser, Vijaya Begum, Günther Prinz, Axel Lorde, Philipp Gegenwart, and Rossitza Pentcheva	
Charge localization in strongly correlated κ -(BEDT-TTF) $_2\text{Cu}[\text{N}(\text{CN})_2]\text{I}$ due to inherent disorder (<i>10 pages</i>)	205127
O. Iakutkina, L. N. Majer, T. Biesner, E. Uykur, J. A. Schlueter, and M. Dressel	
Quasinodal lines in rhombohedral magnetic materials (<i>11 pages</i>)	205128
Rafael González-Hernández, Erick Tuiran, and Bernardo Uribe	
Tuning the Van Hove singularities in AV_3Sb_5 ($A = \text{K, Rb, Cs}$) via pressure and doping (<i>11 pages</i>)	205129
Harrison LaBollita and Antia S. Botana	
Chebyshev expansion of spectral functions using restricted Boltzmann machines (<i>8 pages</i>)	205130
Douglas Hendry, Hongwei Chen, Phillip Weinberg, and Adrian E. Feiguin	
Defective Majorana zero modes in a non-Hermitian Kitaev chain (<i>9 pages</i>)	205131
Xiao-Ming Zhao, Cui-Xian Guo, Su-Peng Kou, Lin Zhuang, and Wu-Ming Liu	
☞ Critical drag as a mechanism for resistivity (<i>17 pages</i>)	205132
Dominic V. Else and T. Senthil	
Absence of Kondo effect in CeNiGe_3 revealed by coherent phonon dynamics (<i>6 pages</i>)	205133
Longyu Wang, Yadong Han, Junhong Yu, Fang Xu, Hang Zhang, Chunsheng Gong, Hechang Lei, and Jianbo Hu	
Phase diagram of CeSb_2 from magnetostriction and magnetization measurements: Evidence for ferrimagnetic and antiferromagnetic states (<i>11 pages</i>)	205134
Christopher Trainer, Caiden Abel, Sergey L. Bud'ko, Paul C. Canfield, and Peter Wahl	
Weak antilocalization and Shubnikov–de Haas oscillations in single crystal CaCuSb (<i>7 pages</i>)	205135
Souvik Sasmal, Vikas Saini, Nicolas Bruyant, Rajib Mondal, Ruta Kulkarni, Bahadur Singh, Vikram Tripathi, and A. Thamizhavel	
Absence of magnetic field effect on the cerium valence in CeCu_2Si_2 at its optimum superconducting critical temperature (<i>6 pages</i>)	205136
M. Barbier, M. Sundermann, A. Poux, A. Rogalev, D. Braithwaite, J.-P. Sanchez, and F. Wilhelm	
Anisotropic nematic fluctuations above the ferroquadrupolar transition in TmVO_4 (<i>8 pages</i>)	205137
Z. Wang, I. Vinograd, Z. Mei, P. Menegasso, D. Garcia, P. Massat, I. R. Fisher, and N. J. Curro	
Absence of in-gap modes in charge density wave edge dislocations of the Weyl semimetal $(\text{TaSe}_4)_2\text{I}$ (<i>7 pages</i>) . . .	205138
Zengle Huang, Hemian Yi, Lujin Min, Zhiqiang Mao, Cui-Zu Chang, and Weida Wu	
Evolution of non-Kramers doublets in magnetic field in $\text{PrNi}_2\text{Cd}_{20}$ and $\text{PrPd}_2\text{Cd}_{20}$ (<i>6 pages</i>)	205139
A. M. Konic, R. B. Adhikari, D. L. Kunwar, A. A. Kirmani, A. Breindel, R. Sheng, M. B. Maple, M. Dzero, and C. C. Almasan	

(Continued)

6-GHz lattice response in a quantum spin-orbital liquid probed by time-resolved resonant x-ray scattering (5 pages)	205110
Kou Takubo, Takashi Mizokawa, Huiyuan Man, Kohei Yamamoto, Yujun Zhang, Yasuyuki Hirata, Hiroki Wadati, Daniel I. Khomskii, and Satoru Nakatsuji	
Effects of reduced dimensionality, crystal field, electron-lattice coupling, and strain on the ground state of a rare-earth nickelate monolayer (14 pages)	205111
Rodrigo Chavez Zavaleta, Stepan Fomichev, Giniyat Khaliullin, and Mona Berciu	
Fidelity and entanglement entropy for infinite-order phase transitions (12 pages)	205112
Jin Zhang	
Self-energy method for time-dependent spectral functions of the Anderson impurity model within the time-dependent numerical renormalization group approach (12 pages)	205113
H. T. M. Nghiem and T. A. Costi	
Evolution of the metallic state in $\text{LaNiO}_3/\text{LaAlO}_3$ superlattices measured by ^8Li β -detected NMR (6 pages)	205114
Victoria L. Karner, Aris Chatzichristos, David L. Cortie, Derek Fujimoto, Robert F. Kiefl, C. D. Philip Levy, Ruohong Li, Ryan M. L. McFadden, Gerald D. Morris, Matthew R. Pearson, Eva Benckiser, Alexander V. Boris, Georg Cristiani, Gennady Logvenov, Bernhard Keimer, and W. Andrew MacFarlane	
Bloch oscillations in the spin- $\frac{1}{2}$ XXZ chain (8 pages)	205115
Yankang Liu, Yohei Fuji, and Haruki Watanabe	
Fine structure of the nonlinear Drude weights in the spin- $\frac{1}{2}$ XXZ chain (17 pages)	205116
Yuhi Tanikawa and Hosho Katsura	
Engineering exotic second-order topological semimetals by periodic driving (8 pages)	205117
Bao-Qin Wang, Hong Wu, and Jun-Hong An	
Strong coupling between two-dimensional transition metal dichalcogenides and plasmonic-optical hybrid resonators (8 pages)	205118
Ying Liu, Zebin Zhu, Jisong Qian, Jing Yuan, Jiaxu Yan, Ze Xiang Shen, and Liyong Jiang	
Large magnetoresistance and de Haas–van Alphen oscillations in the topological semimetal candidates BaX_4 ($X=\text{Ga, In}$) (8 pages)	205119
Huan Wang, Sheng Xu, Xiao-Qin Lu, Zheng-Yi Dai, Yi-Yan Wang, Xiao-Yan Wang, Xiang-Yu Zeng, Jun-Fa Lin, Kai Liu, Zhong-Yi Lu, and Tian-Long Xia	
Data-driven dynamical mean-field theory: An error-correction approach to solve the quantum many-body problem using machine learning (20 pages)	205120
Evan Sheridan, Christopher Rhodes, Francois Jamet, Ivan Rungger, and Cedric Weber	
Proof for the electronic band crossing in sliding bilayer graphene (16 pages)	205121
V. Nam Do	
Stark many-body localization transitions in superconducting circuits (17 pages)	205122
Yong-Yi Wang, Zheng-Hang Sun, and Heng Fan	
Density-matrix renormalization group study of optical conductivity of the Mott insulator for two-dimensional clusters (9 pages)	205123
Kazuya Shinjo, Yoshiki Tamaki, Shigetoshi Sota, and Takami Tohyama	

(Continued)

Quantum surface effects in strong coupling dynamics (<i>6 pages</i>)	L201405
Vasilios Karanikolas, Ioannis Thanopoulos, Joel D. Cox, Takashi Kuroda, Jun-ichi Inoue, N. Asger Mortensen, Emmanuel Paspalakis, and Christos Tserkezis	
Contacts and upstream modes explain the electron-hole asymmetry in the graphene quantum Hall regime (<i>6 pages</i>)	L201406
N. Moreau, B. Brun, S. Somanchi, K. Watanabe, T. Taniguchi, C. Stampfer, and B. Hackens	
Quantum of thermal conductance of nanofilms due to surface-phonon polaritons (<i>5 pages</i>)	L201407
Yangyu Guo, Saeko Tachikawa, Sebastian Volz, Masahiro Nomura, and Jose Ordóñez-Miranda	
Moiré circuits: Engineering magic-angle behavior (<i>7 pages</i>)	L201408
Weixuan Zhang, Deyuan Zou, Qingsong Pei, Wenjing He, Houjun Sun, and Xiangdong Zhang	
Antisymmetric Berry frictional force at equilibrium in the presence of spin-orbit coupling (<i>6 pages</i>)	L201409
Hung-Hsuan Teh, Wenjie Dou, and Joseph E. Subotnik	
Quantized phase-coherent heat transport of counterpropagating Majorana modes (<i>6 pages</i>)	L201410
Alexander G. Bauer, Benedikt Scharf, Laurens W. Molenkamp, Ewelina M. Hankiewicz, and Björn Sothmann	

ARTICLES

Electronic structure and strongly correlated systems

Electrical conductivity in the Hubbard model: Orbital effects of magnetic field (<i>28 pages</i>)	205101
J. Vučković and R. Žitko	
<i>L</i> -hole pockets of the Fermi surface of palladium revealed by positron annihilation spectroscopy (<i>12 pages</i>)	205102
Michael Sekania, Andreas Östlin, Wilhelm H. Appelt, S. B. Dugdale, and Liviu Chioncel	
Band topology of pseudo-Hermitian phases through tensor Berry connections and quantum metric (<i>16 pages</i>)	205103
Yan-Qing Zhu, Wen Zheng, Shi-Liang Zhu, and Giandomenico Palumbo	
Magic angle and plasmon mode engineering in twisted trilayer graphene with pressure (<i>8 pages</i>)	205104
Zewen Wu, Xueheng Kuang, Zhen Zhan, and Shengjun Yuan	
Effects of topological band structure on thermoelectric transport of bismuthene (<i>8 pages</i>)	205105
Muhammad Gaffar, Sasfan Arman Wella, and Eddwi Hesky Hasdeo	
Influence of defects on antidoping behavior in SmNiO_3 (<i>6 pages</i>)	205106
W. F. Espinosa-García and G. M. Dalpian	
Thermodynamic signatures of short-range magnetic correlations in UTe_2 (<i>6 pages</i>)	205107
Kristin Willa, Frédéric Hardy, Dai Aoki, Dexin Li, Paul Wiecki, Gérard Lapertot, and Christoph Meingast	
Strong coupling between magnetic order and band topology in the antiferromagnet EuMnSb_2 (<i>8 pages</i>)	205108
Liyu Zhang, Zeliang Sun, Aifeng Wang, Yuanying Xia, Xinrun Mi, Long Zhang, Mingquan He, Yisheng Chai, Tao Wu, Rui Wang, Xiaoyuan Zhou, and Xianhui Chen	
Multiphonon diffuse scattering in solids from first principles: Application to layered crystals and two-dimensional materials (<i>16 pages</i>)	205109
Marios Zacharias, Hélène Seiler, Fabio Caruso, Daniela Zahn, Feliciano Giustino, Pantelis C. Kelires, and Ralph Ernstorfer	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 104, NUMBER 20

NOVEMBER 2021-15(II)

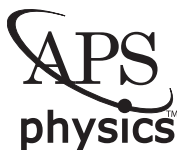
Tunable spin polarization and electronic structure of bottom-up synthesized MoSi_2N_4 materials (6 pages)	L201112
Rajibul Islam, Barun Ghosh, Carmine Autieri, Sugata Chowdhury, Arun Bansil, Amit Agarwal, and Bahadur Singh	
Band manipulation and spin texture in interacting moiré helical edges (6 pages)	L201113
Yang-Zhi Chou, Jennifer Cano, and J. H. Pixley	
Noncompact atomic insulators (5 pages)	L201114
Frank Schindler and B. Andrei Bernevig	
Optical conductivity signatures of open Dirac nodal lines (6 pages)	L201115
David Santos-Cottin, Michele Casula, Luca de' Medici, F. Le Mardelé, J. Wyzula, M. Orlita, Yannick Klein, Andrea Gauzzi, Ana Akrap, and R. P. S. M. Lobo	
Normalization of exact quasiparticle wave functions in the Green's function method guaranteed by the Ward identity (6 pages)	L201116
Takeru Nakashima, Hannes Raebiger, and Kaoru Ohno	
Universality in the onset of quantum chaos in many-body systems (7 pages)	L201117
Tyler LeBlond, Dries Sels, Anatoli Polkovnikov, and Marcos Rigol	
Semiconductors I: bulk	
Electronic correlations and Fermi liquid behavior of intermediate-band states in titanium-doped silicon (6 pages)	L201201
A. Östlin and L. Chioncel	
Probing free-carrier and exciton dynamics in a bulk semiconductor with two-dimensional electronic spectroscopy (6 pages)	L201202
Jonas Allerbeck, Thomas Deckert, Laurens Spitzner, and Daniele Brida	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Spin-orbit coupling and interactions in quantum Hall states of graphene/ WSe_2 heterobilayers (5 pages)	L201301
Dongying Wang, Mohammed Karaki, Nicholas Mazzucca, Haidong Tian, Guixin Cao, ChunNing Lau, Yuan-Ming Lu, Marc Bockrath, Kenji Watanabe, and Takashi Taniguchi	
Surface physics, nanoscale physics, low-dimensional systems	
Biasing topological charge injection in topological matter (5 pages)	L201401
Mostafa Tanhayi Ahari, Shu Zhang, Ji Zou, and Yaroslav Tserkovnyak	
Nanometric phonon spectroscopy for diamond and cubic boron nitride (6 pages)	L201402
Jun Kikkawa, Takashi Taniguchi, and Koji Kimoto	
Electrically switchable valley polarization, spin/valley filter, and valve effects in transition-metal dichalcogenide monolayers interfaced with two-dimensional ferromagnetic semiconductors (6 pages)	L201403
Ao Zhang, Kaike Yang, Yun Zhang, Anlian Pan, and Mingxing Chen	
Atomlike interaction and optically tunable giant band-gap renormalization in large-area atomically thin MoS_2 (6 pages)	L201404
Santu K. Bera, Megha Shrivastava, Khamari Bramhachari, Hanyu Zhang, Ajay K. Poonia, Dipendranath Mandal, E. M. Miller, Matthew C. Beard, Amit Agarwal, and K. V. Adarsh	

(Continued)

LETTERS

Electronic structure and strongly correlated systems

- Light-induced hidden odd-frequency order in a model for A_3C_{60} (6 pages) L201101
Philipp Werner and Yuta Murakami
- Nonlocal sidewall response and deviation from exact quantization of the topological magnetoelectric effect
in axion-insulator thin films (5 pages) L201102
N. Pournaghavi, A. Pertsova, A. H. MacDonald, and C. M. Canali
- Interplay between strong correlations and electronic topology in the underlying kagome lattice
of $Na_{2/3}CoO_2$ (6 pages) L201103
I. F. Gilmudinov, R. Schönemann, D. Vignolles, C. Proust, I. R. Mukhamedshin, L. Balicas, and H. Alloul
- Classification of exceptional nodal topologies protected by $\mathcal{PT}$ symmetry (5 pages) L201104
Marcus Stålhammar and Emil J. Bergholtz
- Observation of symmetry-protected Dirac states in nonsymmorphic α -antimonene (5 pages) L201105
Qiangsheng Lu, Kyle Y. Chen, Matthew Snyder, Jacob Cook, Duy Tung Nguyen, P. V. Sreenivasa Reddy,
Tay-Rong Chang, Shengyuan A. Yang, and Guang Bian
- False vacuum decay in quantum spin chains (6 pages) L201106
Gianluca Lagnese, Federica Maria Surace, Márton Kormos, and Pasquale Calabrese
- Non-Hermitian band topology from momentum-dependent relaxation in two-dimensional metals with
spiral magnetism (6 pages) L201107
Johannes Mitscherling and Walter Metzner
- Elucidation of the electron transfer mechanism in Eu^{2+} and Sm^{3+} codoped CaF_2 : A step towards better
understanding of trapping and detrapping in luminescent materials (7 pages) L201108
Jonas J. Joos, David Van der Heggen, Lucia Amidani, Luis Seijo, and Zoila Barandiarán
- Bipolaron liquids at strong Peierls electron-phonon couplings (5 pages) L201109
Alberto Nocera, John Sous, Adrian E. Feiguin, and Mona Berciu
- Topological invariants of rotationally symmetric crystals (5 pages) L201110
Jans Henke, Mert Kurttutan, Jorrit Kruthoff, and Jasper van Wezel
- Magnetic order, disorder, and excitations under pressure in the Mott insulator Sr_2IrO_4 (6 pages) L201111
Xiang Li, S. E. Cooper, A. Krishnadas, A. de la Torre, R. S. Perry, F. Baumberger, D. M. Silevitch,
D. Hsieh, T. F. Rosenbaum, and Yejun Feng



Copyright 2021 by American Physical Society

(Continued)



2469-9950(20211115)104:20;1-D

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRB find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. B 77, 130001 (2008).