

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 99, NUMBER 2

JANUARY 2019-1(II)

Exchange-field enhancement of superconducting spin pumping (<i>6 pages</i>)	024507
Kun-Rok Jeon, Chiara Ciccarelli, Hidekazu Kurebayashi, Lesley F. Cohen, Xavier Montiel, Matthias Eschrig, Sachio Komori, Jason W. A. Robinson, and Mark G. Blamire	
Superconductivity of the hydrogen-rich metal hydride $\text{Li}_5\text{MoH}_{11}$ under high pressure (<i>6 pages</i>)	024508
Dezhong Meng, Masafumi Sakata, Katsuya Shimizu, Yuki Iijima, Hiroyuki Saitoh, Toyoto Sato, Shigeyuki Takagi, and Shin-ichi Orimo	
Specific heat in strongly hole-doped iron-based superconductors (<i>5 pages</i>)	024509
Dmitry V. Chichinadze and Andrey V. Chubukov	
Conductance smearing and anisotropic suppression of induced superconductivity in a Majorana nanowire (<i>17 pages</i>)	024510
Chun-Xiao Liu, Jay D. Sau, Tudor D. Stanescu, and S. Das Sarma	
Strong suppression of near-field radiative heat transfer by superconductivity in NbN (<i>12 pages</i>)	024511
Věra Musilová, Tomáš Králík, Tomáš Fořt, and Michal Macek	
Point-contact Andreev reflection spectroscopy on the misfit phase superconductors $(\text{PbSe})_{1.12}(\text{TaSe}_2)$ doped with Cl or Br (<i>6 pages</i>)	024512
Liqiang Che, Tian Le, Qi Huang, Lichang Yin, Ye Chen, Xiaohui Yang, Zhu-An Xu, and Xin Lu	
Torsional chiral magnetic effect due to skyrmion textures in a Weyl superfluid $^3\text{He-A}$ (<i>13 pages</i>)	024513
Yusuke Ishihara, Takeshi Mizushima, Atsushi Tsuruta, and Satoshi Fujimoto	
Temperature-filling phase diagram of the two-dimensional Holstein model in the thermodynamic limit by self-consistent Migdal approximation (<i>18 pages</i>)	024514
P. M. Dee, K. Nakatsukasa, Y. Wang, and S. Johnston	
Anisotropic superconductors between types I and II (<i>6 pages</i>)	024515
T. T. Saraiva, A. Vagov, V. M. Axt, J. Albino Aguiar, and A. A. Shanenko	
Superconductivity in the presence of spin-orbit interactions stabilized by Hund coupling (<i>8 pages</i>)	024516
Alfred K. C. Cheung and D. F. Agterberg	
Revisiting 2π phase slip suppression in topological Josephson junctions (<i>15 pages</i>)	024517
Rosa Rodríguez-Mota, Smitha Vishveshwara, and T. Pereg-Barnea	

Unpinning the skyrmion lattice in MnSi: Effect of substitutional disorder (9 pages)	024428
C. Dhital, L. DeBeer-Schmitt, D. P. Young, and J. F. DiTusa	
Time-resolved study of nonlinear three-magnon processes in yttrium iron garnet films (6 pages)	024429
H. J. Jason Liu, Grant A. Riley, César L. Ordóñez-Romero, Boris A. Kalinikos, and Kristen S. Buchanan	
Profile approach for recognition of three-dimensional magnetic structures (9 pages)	024430
I. A. Iakovlev, O. M. Sotnikov, and V. V. Mazurenko	
Control of domain structure and magnetization reversal in thick Co/Pt multilayers (16 pages)	024431
L. Fallarino, A. Oelschlägel, J. A. Arregi, A. Bashkatov, F. Samad, B. Böhm, K. Chesnel, and O. Hellwig	
Spin absorption at a ferromagnetic-metal/platinum-oxide interface (7 pages)	024432
Akio Asami, Hongyu An, Akira Musha, Tenghua Gao, Makoto Kuroda, and Kazuya Ando	
Bloch-point-mediated topological transformations of magnetic domain walls in cylindrical nanowires (6 pages)	024433
A. Wartelle, B. Trapp, M. Staño, C. Thirion, S. Bochmann, J. Bachmann, M. Foerster, L. Aballe, T. O. Menteş, A. Locatelli, A. Sala, L. Cagnon, J.-C. Toussaint, and O. Fruchart	
Quantum-kinetic theory of spin-transfer torque and magnon-assisted transport in nanoscale magnetic junctions (7 pages)	024434
Scott A. Bender, Rembert A. Duine, and Yaroslav Tserkovnyak	
Spin decoherence independent of antiferromagnetic order in IrMn (5 pages)	024435
Behrouz Khodadadi, Youngmin Lim, David A. Smith, Ryan W. Greening, Yuankai Zheng, Zhitao Diao, Christian Kaiser, and Satoru Emori	
Spin-lattice coupling mediated giant magnetodielectricity across the spin reorientation in $\text{Ca}_2\text{FeCoO}_5$ (6 pages)	024436
Gaurav Sharma, Shekhar Tyagi, V. R. Reddy, A. M. Awasthi, R. J. Choudhary, A. K. Sinha, and Vasant Sathe	
Superfluidity and superconductivity	
Skyrmion formation due to unconventional magnetic modes in anisotropic multiband superconductors (14 pages)	024501
Thomas Winyard, Mihail Silaev, and Egor Babaev	
Representability problem of density functional theory for superconductors (6 pages)	024502
Jonathan Schmidt, Carlos L. Benavides-Riveros, and Miguel A. L. Marques	
Nonuniform superconductivity and Josephson effect in a conical ferromagnet (13 pages)	024503
Hao Meng, A. V. Samokhvalov, and A. I. Buzdin	
Anomalous connection between antiferromagnetic and superconducting phases in the pressurized noncentrosymmetric heavy-fermion compound CeRhGe_3 (5 pages)	024504
Honghong Wang, Jing Guo, Eric D. Bauer, Vladimir A. Sidorov, Hengcan Zhao, Jiahao Zhang, Yazhou Zhou, Zhe Wang, Shu Cai, Ke Yang, Aiguo Li, Peijie Sun, Yi-feng Yang, Qi Wu, Tao Xiang, J. D. Thompson, and Liling Sun	
Majorana bound states in magnetic impurity chains: Effects of d -wave pairing (11 pages)	024505
Mahdi Mashkooori and Annica Black-Schaffer	
Gapless odd-frequency superconductivity induced by the Sachdev-Ye-Kitaev model (6 pages)	024506
Nikolay V. Gnezdilov	

(Continued)

Magnon condensation in a dense nitrogen-vacancy spin ensemble (<i>12 pages</i>)	024414
Haitham A. R. El-Ella	
Magnetoelectric behavior from cluster multipoles in square cupolas: Study of $\text{Sr}(\text{TiO})\text{Cu}_4(\text{PO}_4)_4$ in comparison with Ba and Pb isostructurals (<i>12 pages</i>)	024415
Yasuyuki Kato, Kenta Kimura, Atsushi Miyake, Masashi Tokunaga, Akira Matsuo, Koichi Kindo, Mitsuru Akaki, Masayuki Hagiwara, Shojiro Kimura, Tsuyoshi Kimura, and Yukitoshi Motome	
Low-field switching of noncollinear spin texture at $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ - SrRuO_3 interfaces (<i>11 pages</i>)	024416
S. Das, A. D. Rata, I. V. Maznichenko, S. Agrestini, E. Pippel, N. Gauquelin, J. Verbeeck, K. Chen, S. M. Valvidares, H. Babu Vasili, J. Herrero-Martin, E. Pellegrin, K. Nenkov, A. Herklotz, A. Ernst, I. Mertig, Z. Hu, and K. Dörr	
Temperature-switched anomaly in the spin Seebeck effect in $\text{Gd}_3\text{Fe}_5\text{O}_{12}$ (<i>5 pages</i>)	024417
Ka Shen	
 Spin-dependent electron transmission model for chiral molecules in mesoscopic devices (<i>16 pages</i>)	024418
Xu Yang, Caspar H. van der Wal, and Bart J. van Wees	
Magnetic structure of the triangular antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$ weakly doped with nonmagnetic K^+ ions studied by NMR (<i>7 pages</i>)	024419
Yu. A. Sakhratov, M. Prinz-Zwick, D. Wilson, N. Büttgen, A. Ya. Shapiro, L. E. Svistov, and A. P. Reyes	
Spin and charge currents induced by the spin Hall and anomalous Hall effects upon crossing ferromagnetic/nonmagnetic interfaces (<i>5 pages</i>)	024420
Albert Hönemann, Christian Herschbach, Dmitry V. Fedorov, Martin Gradhand, and Ingrid Mertig	
Tuning the magnetocrystalline anisotropy of Fe_3Sn by alloying (<i>10 pages</i>)	024421
Olga Yu. Vekilova, Bahar Fayyazi, Konstantin P. Skokov, Oliver Gutfleisch, Cristina Echevarria-Bonet, José Manuel Barandiarán, Alexander Kovacs, Johann Fischbacher, Thomas Schrefl, Olle Eriksson, and Heike C. Herper	
Exact description of the boundary theory of the Kitaev toric code with open boundary conditions (<i>12 pages</i>)	024422
Yevheniia Cheipesh, Lorenzo Cevolani, and Stefan Kehrein	
Searching magnetic states using an unsupervised machine learning algorithm with the Heisenberg model (<i>7 pages</i>)	024423
H. Y. Kwon, N. J. Kim, C. K. Lee, and C. Won	
Domain wall dynamics in easy-cone magnets (<i>8 pages</i>)	024424
Peong-Hwa Jang, Se-Hyeok Oh, Se Kwon Kim, and Kyung-Jin Lee	
Evidence for exchange bias coupling at the perovskite/brownmillerite interface in spontaneously stabilized $\text{SrCoO}_{3-\delta}/\text{SrCoO}_{2.5}$ bilayers (<i>6 pages</i>)	024425
B. C. Behera, Subhadip Jana, Shwetha G. Bhat, N. Gauquelin, G. Tripathy, P. S. Anil Kumar, and D. Samal	
 Spin-wave modes in transition from a thin film to a full magnonic crystal (<i>11 pages</i>)	024426
M. Langer, R. A. Gallardo, T. Schneider, S. Stienen, A. Roldán-Molina, Y. Yuan, K. Lenz, J. Lindner, P. Landeros, and J. Fassbender	
Anomalous damping dependence of the switching time in Fe/FePt bilayer recording media (<i>6 pages</i>)	024427
Razvan-V. Ababei, Matthew O. A. Ellis, Richard F. L. Evans, and Roy W. Chantrell	

(Continued)

Low lattice thermal conductivity and high thermoelectric figure of merit in Na_2MgSn (9 pages)	024310
Cong Wang, Y. B. Chen, Shu-Hua Yao, and Jian Zhou	
Deaf band based engineered Dirac cone in a periodic acoustic metamaterial: A numerical and experimental study (11 pages)	024311
Mustahseen M. Indaleeb, Sourav Banerjee, Hossain Ahmed, Mohammadsadegh Saadatzi, and Riaz Ahmed	
Magnetism	
Dynamic magnetic response across the pressure-induced structural phase transition in CeNi (7 pages)	024401
A. Mirmelstein, A. I. Kolesnikov, G. Ehlers, D. L. Abernathy, V. Matvienko, A. S. Sefat, and A. Podlesnyak	
Relaxation in one-dimensional chains of interacting magnetic nanoparticles: Analytical formula and kinetic Monte Carlo simulations (11 pages)	024402
Manish Anand, Varsha Banerjee, and Julian Carrey	
Magnon-mediated magnetoresistance in layered manganites (7 pages)	024403
Antonio Hernando, Raquel Cortés-Gil, Daniel González-Merchante, María Hernando, José M. Alonso, Miguel A. García, José L. Martínez, Luisa Ruiz-González, and José M. González-Calbet	
Theory of spin magnetic quadrupole moment and temperature-gradient-induced magnetization (12 pages)	024404
Atsuo Shitade, Akito Daido, and Youichi Yanase	
Micromagnetic modeling of terahertz oscillations in an antiferromagnetic material driven by the spin Hall effect (7 pages)	024405
V. Puliafito, R. Khymyn, M. Carpentieri, B. Azzerboni, V. Tiberkevich, A. Slavin, and G. Finocchio	
Textured heterogeneity in square artificial spin ice (10 pages)	024406
J. C. T Lee, S. K. Mishra, V. S. Bhat, R. Streubel, B. Farmer, X. Shi, L. E. De Long, I. McNulty, P. Fischer, S. D. Kevan, and S. Roy	
Damping and softening of transverse acoustic phonons in colossal magnetoresistive $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ and $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ (7 pages)	024407
Joel S. Helton, Yang Zhao, Dmitry A. Shulyatev, and Jeffrey W. Lynn	
Spin density and spin torque induced by the D'yakonov-Perel' mechanism in magnetic semiconductor nanowires with a constriction (10 pages)	024408
V. Fallahi	
Influence of spin-orbit and spin-Hall effects on the spin-Seebeck current beyond linear response: A Fokker-Planck approach (9 pages)	024410
L. Chotorlishvili, Z. Toklikishvili, X.-G. Wang, V. K. Dugaev, J. Barnaś, and J. Berakdar	
Distribution of interevent avalanche times in disordered and frustrated spin systems (11 pages)	024411
John Ferre, Amin Barzegar, Helmut G. Katzgraber, and Richard Scalettar	
From two-dimensional spin vortex crystal to three-dimensional Néel order in the Mott insulator $\text{Sr}_2\text{F}_2(\text{Fe}_{1-x}\text{Mn}_x)_2\text{OS}_2$ (14 pages)	024412
K. W. Bayliff, S. Wu, V. Loganathan, L. L. Zhao, J. K. Wang, Andriy H. Nevidomskyy, C. Broholm, C.-L. Huang, and E. Morosan	
Thermodynamics of a frustrated quantum magnet on a square lattice (9 pages)	024413
K. Yu. Povarov, V. K. Bhartiya, Z. Yan, and A. Zheludev	

(Continued)



Spectral approach to transport in a two-dimensional honeycomb lattice with substitutional disorder (<i>13 pages</i>)	024115
E. G. Kostadinova, C. D. Liaw, A. S. Hering, A. Cameron, F. Guyton, L. S. Matthews, and T. W. Hyde	
Inhomogeneous, disordered, and partially ordered systems	
Effect of exciton diffusion on the triplet-triplet annihilation rate in organic semiconductor host-guest systems (<i>10 pages</i>)	024201
R. Coehoorn, P. A. Bobbert, and H. van Eersel	
 Statistics of eigenstates near the localization transition on random regular graphs (<i>25 pages</i>)	024202
K. S. Tikhonov and A. D. Mirlin	
  Quantum engine based on many-body localization (<i>24 pages</i>)	024203
Nicole Yunger Halpern, Christopher David White, Sarang Gopalakrishnan, and Gil Refael	
Concentration dependence of interdiffusion in aluminum-rich Al-Cu melts (<i>7 pages</i>)	024204
E. Sondermann, N. Jakse, K. Binder, A. Mielke, D. Heuskin, F. Kargl, and A. Meyer	
Localization-length exponent in two models of quantum Hall plateau transitions (<i>10 pages</i>)	024205
Qiong Zhu, Peng Wu, R. N. Bhatt, and Xin Wan	
Dynamics, dynamical systems, lattice effects:	
Emergence of glassy features in halomethane crystals (<i>9 pages</i>)	024301
Manuel Moratalla, Jonathan F. Gebbia, Miguel Angel Ramos, Luis Carlos Pardo, Sanghamitra Mukhopadhyay, Svemir Rudić, Felix Fernandez-Alonso, Francisco Javier Bermejo, and Josep Lluís Tamarit	
Ultra-open acoustic metamaterial silencer based on Fano-like interference (<i>10 pages</i>)	024302
Reza Ghaffarivardavagh, Jacob Nikolajczyk, Stephan Anderson, and Xin Zhang	
Magnetic transitions in $\text{CaMn}_7\text{O}_{12}$: Raman observation of spin-phonon couplings (<i>5 pages</i>)	024303
C. Toulouse, C. Martin, M-A. Measson, Y. Gallais, A. Sacuto, and M. Cazayous	
Linear complex susceptibility of long-range interacting dipoles with thermal agitation and weak external ac fields (<i>14 pages</i>)	024304
Pierre-Michel Déjardin, Sergey V. Titov, and Yann Cornaton	
$1/f$ flux noise in low- T_c SQUIDs due to superparamagnetic phase transitions in defect clusters (<i>14 pages</i>)	024305
Amrit De	
Wavelet imaging of transient energy localization in nonlinear systems at thermal equilibrium: The case study of NaI crystals at high temperature (<i>13 pages</i>)	024307
Annise Rivière, Stefano Lepri, Daniele Colognesi, and Francesco Piazza	
Electron spin dynamics in Ce^{3+} : YAG crystals: Hyperfine interaction of $4f$ and $5d$ electrons (<i>6 pages</i>)	024308
P. Liang, Z. Wu, Y. Y. Zhang, R. R. Hu, T. Q. Jia, Y. Yang, S. A. Zhang, Z. R. Sun, and D. H. Feng	
Lattice dynamics and negative thermal expansion in the framework compound $\text{ZnNi}(\text{CN})_4$ with two-dimensional and three-dimensional local environments (<i>11 pages</i>)	024309
Stella d'Ambrumenil, Mohamed Zbiri, Ann M. Chippindale, Simon J. Hibble, Elena Marelli, and Alex C. Hannon	

(Continued)

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

- Effects of electron beam generated lattice defects on the periodic lattice distortion structure in $1T$ -TaS₂ and $1T$ -TaSe₂ thin layers (*11 pages*) 024101
M. K. Kinyanjui, T. Björkman, T. Lehnert, J. Köster, A. Krashennnikov, and U. Kaiser
- Weyl points of mechanical diamond (*8 pages*) 024102
Yuta Takahashi, Toshikaze Kariyado, and Yasuhiro Hatsugai
- Low-temperature thermal rectification by tailoring isotope distributions (*5 pages*) 024103
Miquel Royo, Pol Torres, Miquel López-Suárez, and Riccardo Rurali
- Polarons, vacancies, vacancy associations, and defect states in multiferroic BiFeO₃ (*20 pages*) 024104
Grégory Geneste, Charles Paillard, and Brahim Dkhil
- Symmetry-determined antiferroelectricity in PbZrO₃, NaNbO₃, and PbHfO₃ (*9 pages*) 024105
Pierre Tolédano and Dmitry D. Khalyavin
- High-pressure phases of MnCO₃ by random structure search (*6 pages*) 024106
Hao-Chien Hung, Cheng-Rong Hsing, and Ching-Ming Wei
- Displacive structural phase transitions and the magnetic ground state of quadruple perovskite YMn₇O₁₂ (*8 pages*) 024107
R. D. Johnson, D. D. Khalyavin, P. Manuel, Y. Katsuya, M. Tanaka, Y. Matsushita, L. Zhang, K. Yamaura, and A. A. Belik
- Ab initio* study of the LiH phase diagram at extreme pressures and temperatures (*7 pages*) 024108
Sananda Biswas, Ion Errea, Matteo Calandra, Francesco Mauri, and Sandro Scandolo
- Magnetic and structural properties of the iron oxychalcogenides La₂O₂Fe₂OM₂ ($M = S, Se$) (*9 pages*) 024109
B. Freelon, Z. Yamani, Ian Swainson, R. Flacau, B. Karki, Yu Hao Liu, L. Craco, M. S. Laad, Meng Wang, Jiaqi Chen, R. J. Birgeneau, and Minghu Fang
- Extreme magnetoresistance and pressure-induced superconductivity in the topological semimetal candidate YBi (*8 pages*) 024110
C. Q. Xu, B. Li, M. R. van Delft, W. H. Jiao, W. Zhou, B. Qian, Nikolai D. Zhigadlo, Dong Qian, R. Sankar, N. E. Hussey, and Xiaofeng Xu
- Pressure effect on the electronic, structural, and vibrational properties of layered $2H$ -MoTe₂ (*6 pages*) 024111
Xiao-Miao Zhao, Han-yu Liu, Alexander F. Goncharov, Zhi-Wei Zhao, Viktor V. Struzhkin, Ho-Kwang Mao, Alexander G. Gavriliuk, and Xiao-Jia Chen
- Ultrasound study of the mass decoupling of ⁴He inert films on mesoporous silica (*4 pages*) 024112
Junko Taniguchi, Hideyuki Ichida, and Masaru Suzuki
- Symmetry-changing commensurate-incommensurate solid transition in the ⁴He monolayer on 6,6,12-graphyne (*6 pages*) 024113
Jeonghwan Ahn, Mujin You, Gwangyoung Lee, Tyler Volkoff, and Yongkyung Kwon
- In situ* analysis of the structural transformation of glassy carbon under compression at room temperature (*9 pages*) 024114
T. B. Shiehl, C. de Tomas, D. G. McCulloch, D. R. McKenzie, A. Basu, I. Suarez-Martinez, N. A. Marks, R. Boehler, B. Haberl, and J. E. Bradby

(Continued)

Magnetism

- Magnetic dichroism in the Kondo insulator SmB_6 (5 pages) 020401(R)
W. T. Fuhrman, J. C. Leiner, J. W. Freeland, M. van Veenendaal, S. M. Koohpayeh, W. Adam Phelan,
T. M. McQueen, and C. Broholm
- Magnetism in cation-disordered $3d\text{-}4d/5d$ double perovskites (5 pages) 020402(R)
Anita Halder, Prabuddha Sanyal, and Tanusri Saha-Dasgupta
- Spin phases of the helimagnetic insulator Cu_2OSeO_3 probed by magnon heat conduction (5 pages) 020403(R)
N. Prasai, A. Akopyan, B. A. Trump, G. G. Marcus, S. X. Huang, T. M. McQueen, and J. L. Cohn
- Hund nodal line semimetals: The case of a twisted magnetic phase in the double-exchange model (6 pages) 020404(R)
R. Matthias Geilhufe, Francisco Guinea, and Vladimir Jurić
- Overcoming the speed limit in skyrmion racetrack devices by suppressing the skyrmion Hall effect (6 pages) 020405(R)
Börge Göbel, Alexander Mook, Jürgen Henk, and Ingrid Mertig

Superfluidity and superconductivity

- Composition dependence of bulk superconductivity in YFe_2Ge_2 (5 pages) 020501(R)
Jiasheng Chen, Monika B. Gamża, Konstantin Semeniuk, and F. Malte Grosche
- Multigap nodeless superconductivity in $\text{CsCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ probed by heat transport (6 pages) 020502(R)
Y. Y. Huang, Z. C. Wang, Y. J. Yu, J. M. Ni, Q. Li, E. J. Cheng, G. H. Cao, and S. Y. Li
- Observation of superconductivity in the pressurized Weyl-semimetal candidate TaIrTe_4 (7 pages) 020503(R)
Shu Cai, Eve Emmanouilidou, Jing Guo, Xiaodong Li, Yanchun Li, Ke Yang, Aiguo Li, Qi Wu,
Ni Ni, and Liling Sun
-  Cavity superconductor-polaritons (5 pages) 020504(R)
Andrew A. Allocca, Zachary M. Raines, Jonathan B. Curtis, and Victor M. Galitski
- Bandwidth controlled insulator-metal transition in BaFe_2S_3 : A Mössbauer study under pressure (4 pages) 020505(R)
Philipp Materne, Wenli Bi, Jiyong Zhao, Michael Yu Hu, Maria Lourdes Amigó, Silvia Seiro,
Saicharan Aswartham, Bernd Büchner, and Esen Ercan Alp
- Enhancement of superconductivity by pressure-induced critical ferromagnetic fluctuations
in UCoGe (5 pages) 020506(R)
Masahiro Manago, Shunsaku Kitagawa, Kenji Ishida, Kazuhiko Deguchi,
Noriaki K. Sato, and Tomoo Yamamura
- Quantum oscillations and a nontrivial Berry phase in the noncentrosymmetric topological superconductor
candidate BiPd (5 pages) 020507(R)
Mojammel A. Khan, D. E. Graf, I. Vekhter, D. A. Browne, J. F. DiTusa, W. Adam Phelan, and D. P. Young
- Higher-order topological superconductivity: Possible realization in Fermi gases and Sr_2RuO_4 (7 pages) 020508(R)
Zhigang Wu, Zhongbo Yan, and Wen Huang

(Continued)

RAPID COMMUNICATIONS

Structure, structural phase transitions, mechanical properties, defects

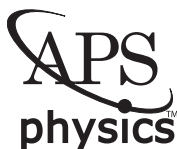
- Phonon-induced multicolor correlations in hBN single-photon emitters (5 pages) 020101(R)
Matthew A. Feldman, Alex Puzetky, Lucas Lindsay, Ethan Tucker, Dayrl P. Briggs, Philip G. Evans,
Richard F. Haglund, and Benjamin J. Lawrie

Inhomogeneous, disordered, and partially ordered systems

- Strong disorder in nodal semimetals: Schwinger-Dyson-Ward approach (5 pages) 020201(R)
Björn Sbierski and Christian Fräßdorf
- Many-body localization as a large family of localized ground states (6 pages) 020202(R)
Maxime Dupont and Nicolas Laflorencie

Dynamics, dynamical systems, lattice effects:

- Transverse spin and surface waves in acoustic metamaterials (6 pages) 020301(R)
Konstantin Y. Bliokh and Franco Nori
- ☞ Probing the Berry curvature and Fermi arcs of a Weyl circuit (6 pages) 020302(R)
Yuehui Lu, Ningyuan Jia, Lin Su, Clai Owens, Gediminas Juzeliūnas, David I. Schuster, and Jonathan Simon
- Efficient charge generation from triplet excitons in metal-organic heterojunctions (6 pages) 020303(R)
Friedrich Roth, Stefan Neppel, Andrey Shavorskiy, Tiberiu Arion, Johannes Mahl, Hyun Ook Seo,
Hendrik Bluhm, Zahid Hussain, Oliver Gessner, and Wolfgang Eberhardt
- ☞ Observation of quadrupole transitions and edge mode topology in an LC circuit network (5 pages) 020304(R)
Marc Serra-Garcia, Roman Süssstrunk, and Sebastian D. Huber
- Understanding the thermal conductivity and Lorenz number in tungsten from first principles (5 pages) 020305(R)
Yani Chen, Jinlong Ma, and Wu Li
- Fibonacci steady states in a driven integrable quantum system (6 pages) 020306(R)
Somnath Maity, Utso Bhattacharya, Amit Dutta, and Diptiman Sen



Copyright 2019 by American Physical Society

(Continued)



2469-9950(20190101)99:2;1-Q

☐ 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).