

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 106, NUMBER 6

AUGUST 2022-1(II)

Proximity-induced collective modes in an unconventional superconductor heterostructure (<i>17 pages</i>)	064508
Jonathan B. Curtis, Nicholas R. Poniatowski, Amir Yacoby, and Prineha Narang	
Time-reversal invariant topological gapped phases in bilayer Dirac materials (<i>14 pages</i>)	064509
Guan-Hao Feng, Hong-Hao Zhang, and Zhongbo Yan	
Three-dimensional Fermi surfaces from charge order in layered CsV_3Sb_5 (<i>6 pages</i>)	064510
Xiangwei Huang, Chunyu Guo, Carsten Putzke, Martin Gutierrez-Amigo, Yan Sun, Maia G. Vergniory, Ion Errea, Dong Chen, Claudia Felser, and Philip J. W. Moll	
Dipolar Bose-Hubbard model (<i>14 pages</i>)	064511
Ethan Lake, Michael Hermele, and T. Senthil	
Subgap two-particle spectral weight in disordered <i>s</i> -wave superconductors: Insights from mode coupling approach (<i>14 pages</i>)	064512
Prathyush P. Poduval, Abhisek Samanta, Prashant Gupta, Nandini Trivedi, and Rajdeep Sensarma	
Superconductivity in correlated multiorbital systems with spin-orbit coupling: Coexistence of even- and odd-frequency pairing, and the case of Sr_2RuO_4 (<i>28 pages</i>)	064513
O. Gingras, N. Allaglo, R. Nourafkan, M. Côté, and A.-M. S. Tremblay	

Chiral fixed point in a junction of critical spin-1 chains (<i>13 pages</i>)	064429
Hernan B. Xavier and Rodrigo G. Pereira	
Spin-wave localization on phasonic defects in a one-dimensional magnonic quasicrystal (<i>10 pages</i>)	064430
Szymon Mieszczak, Maciej Krawczyk, and Jarosław W. Kłos	
Tuning the transport properties of Mn ₃ Ge through the effect of strain on its magnetism (<i>8 pages</i>)	064431
Sayak Dasgupta	
Field-induced spin nematic Tomonaga-Luttinger liquid of the $S=\frac{1}{2}$ spin ladder system with anisotropic ferromagnetic rung interaction (<i>9 pages</i>)	064433
Tôru Sakai, Ryosuke Nakanishi, Takaharu Yamada, Rito Furuchi, Hiroki Nakano, Hirono Kaneyasu, Kiyomi Okamoto, and Takashi Tonegawa	
Anomalous atomic fluctuations in the local structure around Mn of (Zn, Sn, Mn)As ₂ thin films (<i>9 pages</i>)	064434
H. Kizaki, K. Hayashi, Cong Lu, N. Happo, S. Hosokawa, S. Hidaka, S. Hayashi, M. Suzuki, and N. Uchitomi	
Magneto-optical Kerr effect and magnetoelasticity in a weakly ferromagnetic RuF ₄ monolayer (<i>7 pages</i>)	064435
Na Wang, Jun Chen, Ning Ding, Huimin Zhang, Shuai Dong, and Shan-Shan Wang	
Quantum critical spin-liquid-like behavior in the $S = \frac{1}{2}$ quasikagome-lattice compound CeRh _{1-x} Pd _x Sn investigated using muon spin relaxation and neutron scattering (<i>17 pages</i>)	064436
Rajesh Tripathi, D. T. Adroja, C. Ritter, Shivani Sharma, Chongli Yang, A. D. Hillier, M. M. Koza, F. Demmel, A. Sundaresan, S. Langridge, Wataru Higemoto, Takashi U. Ito, A. M. Strydom, G. B. G. Stenning, A. Bhattacharyya, David Keen, H. C. Walker, R. S. Perry, Francis Pratt, Qimiao Si, and T. Takabatake	
Superfluidity and superconductivity	
Dynamical magnetic response in superconductors with finite-momentum pairs (<i>10 pages</i>)	064501
Peter Thalmeier and Alireza Akbari	
Superconductivity near a quantum critical point in the extreme retardation regime (<i>14 pages</i>)	064502
Emil A. Yuzbashyan, Michael K.-H. Kiessling, and Boris L. Altshuler	
 Nonlocal measurement of quasiparticle charge and energy relaxation in proximitized semiconductor nanowires using quantum dots (<i>9 pages</i>)	064503
Guanzhong Wang, Tom Dvir, Nick van Loo, Grzegorz P. Mazur, Sasa Gazibegovic, Ghada Badawy, Erik P. A. M. Bakkers, Leo P. Kouwenhoven, and Gijs de Lange	
Zero temperature superconductor–edge metal–insulator transition in two-dimensional bosonic systems (<i>15 pages</i>)	064504
Håvard H. Haugen and Asle Sudbø	
Non-Hermiticity-stabilized Majorana zero modes in semiconductor-superconductor nanowires (<i>6 pages</i>)	064505
Hongchao Liu, Ming Lu, Yijia Wu, Jie Liu, and X. C. Xie	
Intrinsic vortex pinning in superconducting quasicrystals (<i>10 pages</i>)	064506
Yuki Nagai	
Strong electron-phonon coupling superconductivity in compressed α -MoB ₂ induced by double Van Hove singularities (<i>7 pages</i>)	064507
Xiaohan Liu, Xiaowei Huang, Peng Song, Chongze Wang, Liying Zhang, Peng Lv, Liangliang Liu, Weifeng Zhang, Jun-Hyung Cho, and Yu Jia	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 106, NUMBER 6

AUGUST 2022-1(II)

First-order nature of the spin-reorientation phase transition in SmCrO_3 (8 pages)	064413
Tusita Sau, Shivani Sharma, Poonam Yadav, R. Baumbach, T. Siegrist, Alok Banerjee, and N. P. Lalla	
Out-of-plane ferromagnetism in two-dimensional $1T\text{-RhO}_2$ (8 pages)	064414
Hyungwoo Lee and Minseok Choi	
Polar magnetization unveiled by polarized neutron diffraction (5 pages)	064415
S. W. Lovesey	
Strain effects on the topological and valley properties of the Janus monolayer VSiGeN_4 (8 pages)	064416
San-Dong Guo, Wen-Qi Mu, Jia-Hao Wang, Yu-Xuan Yang, Bing Wang, and Yee-Sin Ang	
Chirality-dependent spin-transfer torque and current-induced spin rotation in helimagnets (12 pages)	064417
V. V. Ustinov and I. A. Yasyulevich	
Evidence of two-spinon bound states in the magnetic spectrum of $\text{Ba}_3\text{CoSb}_2\text{O}_9$ (9 pages)	064418
E. A. Ghioldi, Shang-Shun Zhang, Yoshitomo Kamiya, L. O. Manuel, A. E. Trumper, and C. D. Batista	
Hidden magnetic order on a kagome lattice for KV_3Sb_5 (7 pages)	064419
V. Scagnoli, D. D. Khalyavin, and S. W. Lovesey	
☞ Surface critical properties of the three-dimensional clock model (9 pages)	064420
Xuan Zou, Shuo Liu, and Wenan Guo	
<i>Ab initio</i> investigation of the magnetic and ferroelectric properties of BaCuF_4 under hydrostatic pressure (8 pages)	064421
David Vincent, Xavier Rocquefelte, and Andres Saúl	
X-ray holographic imaging of magnetic surface spirals in FeGe lamellae (6 pages)	064422
L. A. Turnbull, M. T. Littlehales, M. N. Wilson, M. T. Birch, H. Popescu, N. Jaouen, J. A. T. Verezhak, G. Balakrishnan, and P. D. Hatton	
☞ Magnetic excitations and interactions in the Kitaev hyperhoneycomb iridate $\beta\text{-Li}_2\text{IrO}_3$ (15 pages)	064423
Thomas Halloran, Yishu Wang, Mengqun Li, Ioannis Rousochatzakis, Prashant Chauhan, M. B. Stone, Tomohiro Takayama, Hidenori Takagi, N. P. Armitage, Natalia B. Perkins, and Collin Broholm	
Spin-wave-driven skyrmion dynamics in ferrimagnets: Effect of net angular momentum (10 pages)	064424
Y. Liu, T. T. Liu, Z. Jin, Z. P. Hou, D. Y. Chen, Z. Fan, M. Zeng, X. B. Lu, X. S. Gao, M. H. Qin, and J.-M. Liu	
Origin of nonsymmorphic bosonization formulas in generalized antiferromagnetic Kitaev spin- $\frac{1}{2}$ chains from a renormalization-group perspective (19 pages)	064425
Wang Yang, Chao Xu, Alberto Nocera, and Ian Affleck	
Nature of interfacial Dzyaloshinskii-Moriya interactions in graphene/Co/Pt(111) multilayer heterostructures (9 pages)	064426
M. Blanco-Rey, G. Bihlmayer, A. Arnau, and J. I. Cerdá	
Ultrasound detection of emergent photons in generic quantum spin ice (11 pages)	064427
Sophia Simon, Adarsh S. Patri, and Yong Baek Kim	
Spectra of a gapped quantum spin liquid with a strong chiral excitation on the triangular lattice (6 pages)	064428
Ta Tang, Brian Moritz, and Thomas P. Devereaux	

(Continued)

Fractional resonances and prethermal states in Floquet systems (<i>16 pages</i>)	064307
R. Peña, V. M. Bastidas, F. Torres, W. J. Munro, and G. Romero	
Dynamic stabilization of perovskites at elevated temperatures: A comparison between cubic BaFeO ₃ and vacancy-ordered monoclinic BaFeO _{2.67} (<i>14 pages</i>)	064308
Yongliang Ou, Yuji Ikeda, Oliver Clemens, and Blazej Grabowski	
Magnetism	
Engineering spin-orbit effects and Berry curvature by deposition of a monolayer of Eu on WSe ₂ (<i>9 pages</i>)	064401
Johanna P. Carbone, Dongwook Go, Yuriy Mokrousov, Gustav Bihlmayer, and Stefan Blügel	
 Quantum scattering theory of spin transfer torque, spin pumping, and fluctuations (<i>19 pages</i>)	064402
Arne Brataas	
Neutron diffraction in MnSb ₂ O ₆ : Magnetic and structural domains in a helicoidal polar magnet with coupled chiralities (<i>14 pages</i>)	064403
E. Chan, J. Pásztorová, R. D. Johnson, M. Songvilay, R. A. Downie, J-W. G. Bos, O. Fabelo, C. Ritter, K. Beauvois, Ch. Niedermayer, S.-W. Cheong, N. Qureshi, and C. Stock	
Rigorous single-period micromagnetic model of stripe domains: Comparison with analytics and experiment (<i>9 pages</i>)	064404
Sebastian Deussner, Dieter Süß, Claas Abert, Florian Bruckner, Sebastian Fähler, Paul Heistracher, Ludwig Reichel, and Volker Neu	
Electric field tuning of magnetic states in single magnetic molecules (<i>7 pages</i>)	064405
Yan Lu, Yunlong Wang, Linghan Zhu, Li Yang, and Li Wang	
Second harmonic generation as a probe of parametric spin wave instability processes in thin magnetic films (<i>10 pages</i>)	064406
P. N. Solovev, A. O. Afonin, B. A. Belyaev, N. M. Boev, I. V. Govorun, A. V. Izotov, A. V. Ugrymov, and A. A. Leksikov	
MN ₄ embedded graphene layers: Tunable decay rate of the RKKY interaction (<i>17 pages</i>)	064407
Mahnaz Rezaei, Jahanfar Abouie, and Fariba Nazari	
flatspin: A large-scale artificial spin ice simulator (<i>17 pages</i>)	064408
Johannes H. Jensen, Anders Strømberg, Odd Rune Lykkebø, Arthur Penty, Jonathan Leliaert, Magnus Sjölander, Erik Folven, and Gunnar Tufte	
Unified understanding of the first-order nature of the transition in TbCo ₂ (<i>5 pages</i>)	064409
Chao Zhou, Tieyan Chang, Zhiyong Dai, Yuanliang Chen, Chenyang Guo, Yoshitaka Matsushita, Xiaoqin Ke, Adil Murtaza, Yin Zhang, Fanghua Tian, Wenliang Zuo, Yu-sheng Chen, Sen Yang, and Xiaobing Ren	
Hybridized propagating spin waves in a CoFeB/IrMn bilayer (<i>12 pages</i>)	064410
Hanchen Wang, Wenqing He, Rundong Yuan, Yizhan Wang, Jinlong Wang, Yu Zhang, Israa Medlej, Jilei Chen, Guoqiang Yu, Xiufeng Han, Jean-Philippe Ansermet, and Haiming Yu	
Transition magnon modes in thin ferromagnetic nanogratings (<i>11 pages</i>)	064411
S. M. Kukhtaruk, A. W. Rushforth, F. Godejohann, A. V. Scherbakov, and M. Bayer	
Hedgehog lattice and field-induced chirality in breathing-pyrochlore Heisenberg antiferromagnets (<i>19 pages</i>)	064412
Kazushi Aoyama and Hikaru Kawamura	

(Continued)

Local invariants identify topology in metals and gapless systems (<i>10 pages</i>)	064109
Alexander Cerjan and Terry A. Loring	
Inhomogeneous, disordered, and partially ordered systems	
Superdiffusive quantum work and adiabatic quantum evolution in finite temperature chaotic Fermi systems (<i>18 pages</i>)	064201
András Grabarits, Márton Kormos, Izabella Lovas, and Gergely Zaránd	
Charge and spin interplay in a molecular-dimer-based organic Mott insulator (<i>7 pages</i>)	064202
Natalia Drichko, Shiori Sugiura, Minoru Yamashita, Akira Ueda, Shinya Uji, Nora Hassan, Yoshiya Sunairi, Hatsumi Mori, Elena I. Zhilyaeva, Svetlana Torunova, and Rimma N. Lyubovskaya	
Exponential size scaling of the Liouvillian gap in boundary-dissipated systems with Anderson localization (<i>11 pages</i>)	064203
Bozhen Zhou, Xueliang Wang, and Shu Chen	
Exact bounds on the energy gap of transverse-field Ising chains by mapping to random walks (<i>9 pages</i>)	064204
Róbert Juhász	
Non-Hermitian jumps in disordered lattices (<i>8 pages</i>)	064205
A. Leventis, K. G. Makris, and E. N. Economou	
Experimental characterization of rigid-scatterer hyperuniform distributions for audible acoustics (<i>9 pages</i>)	064206
Elie Chéron, Jean-Philippe Groby, Vincent Pagneux, Simon Félix, and Vicent Romero-García	
Strictly localized states on the Socolar dodecagonal lattice (<i>18 pages</i>)	064207
M. Akif Keskiner and M. Ö. Oktel	
Non-Hermitian many-body localization with open boundaries (<i>11 pages</i>)	064208
Kuldeep Suthar, Yi-Cheng Wang, Yi-Ping Huang, H. H. Jen, and Jhih-Shih You	
Dynamics, dynamical systems, lattice effects:	
Frequency-dependent surface wave suppression at the Dirac point of an acoustic graphene analog (<i>8 pages</i>)	064301
Nicholas T. Gangemi, Caleb F. Sieck, Joseph F. Vignola, Diego Turo, Alec Ikei, Amelia Vignola, Jeffrey W. Baldwin, Steven W. Liskey, Aaron D. Edmunds, William B. Wilson, Michael A. Boone, Gregory Yesner, Douglas M. Photiadis, and Bernard R. Matis	
Pressure dependence of rotational dynamics in barocaloric ammonium sulfate (<i>8 pages</i>)	064302
Bernet E. Meijer, Guanqun Cai, Franz Demmel, Helen C. Walker, and Anthony E. Phillips	
High-harmonic spectroscopy of coherent lattice dynamics in graphene (<i>7 pages</i>)	064303
Navdeep Rana, M. S. Mrudul, Daniil Kartashov, Misha Ivanov, and Gopal Dixit	
Topological waves guided by a glide-reflection symmetric crystal interface (<i>6 pages</i>)	064304
Julio Andrés Iglesias Martínez, Nicolas Laforge, Muamer Kadic, and Vincent Laude	
Periodically driven Rydberg chains with staggered detuning (<i>15 pages</i>)	064305
Bhaskar Mukherjee, Arnab Sen, and K. Sengupta	
Magnon drag induced by magnon-magnon interactions characteristic of noncollinear magnets (<i>17 pages</i>)	064306
Naoya Arakawa	

(Continued)

Little-Parks oscillation and d-vector texture in spin-triplet superconducting rings with bias current (5 pages)	L060502
Kazushi Aoyama	
Orbital-induced crossover of the Fulde-Ferrell-Larkin-Ovchinnikov phase into Abrikosov-like states (6 pages) . . .	L060503
Tommy Kotte, Hannes Kühne, John A. Schlueter, Gertrud Zwicknagl, and J. Wosnitza	
Frustrated magnetic interactions in FeSe (6 pages)	L060504
Yiqing Gu, Qisi Wang, Hongliang Wo, Zheng He, Helen C. Walker, Jitae T. Park, Mechthild Enderle, Andrew D. Christianson, Wenbin Wang, and Jun Zhao	
 c-axis transport in UTe ₂ : Evidence of three-dimensional conductivity component (7 pages)	L060505
Yun Suk Eo, Shouzheng Liu, Shanta R. Saha, Hyunsoo Kim, Sheng Ran, Jarryd A. Horn, Halyna Hodovanets, John Collini, Tristin Metz, Wesley T. Fuhrman, Andriy H. Nevidomskyy, Jonathan D. Denlinger, Nicholas P. Butch, Michael S. Fuhrer, L. Andrew Wray, and Johnpierre Paglione	
As-Li electrides under high pressure: Superconductivity, plastic, and superionic states (6 pages)	L060506
Zhongyu Wan, Wenjun Xu, Tianyi Yang, and Ruiqin Zhang	
Multidome superconductivity in charge density wave kagome metals (8 pages)	L060507
Yu-Ping Lin and Rahul M. Nandkishore	

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

Crystal structure solution of a high-pressure polymorph of scintillating MgMoO ₄ and its electronic structure (7 pages)	064101
J. Ruiz-Fuertes, A. Friedrich, N. Garg, V. Monteseuro, K. Radacki, D. Errandonea, E. Cavalli, P. Rodríguez-Hernández, and A. Muñoz	
Suppression of Peierls-like nesting-based instabilities in solids (5 pages)	064102
Nassim Derriche, Ilya Elfimov, and George Sawatzky	
Secondary insulator-to-metal transition and magnetic properties in epitaxial La _{0.92} Sr _{0.08} MnO ₃ films (9 pages) . . .	064103
Hongliang Chen, Dongxing Zheng, Yue Wang, Ping Wang, Chao Jin, Zhiqing Li, and Haili Bai	
Symmetry of ferroelectric switching and domain walls in hafnium dioxide (7 pages)	064104
Guo-Dong Zhao, Xingen Liu, Wei Ren, Xiaona Zhu, and Shaofeng Yu	
Stability of the tetragonal phase of BaZrO ₃ under high pressure (10 pages)	064105
Constance Toulouse, Danila Amoroso, Robert Oliva, Cong Xin, Pierre Bouvier, Pierre Fertey, Philippe Veber, Mario Maglione, Philippe Ghosez, Jens Kreisel, and Mael Guennou	
Strain-induced ferroelectricity and piezoelectricity in centrosymmetric binary oxides (6 pages)	064106
Xiaoqing Yang, Chao Liu, Le Fang, Tianhao Su, Minglang Hu, Yangyang Chen, Bin Zhou, Haijun Su, Xiangyang Kong, Laurent Bellaiche, and Wei Ren	
Key role of polar nanoregions in the cubic-to-tetragonal phase transition of potassium-based perovskites (13 pages)	064107
Jacopo Parravicini, Eugenio DelRe, Simone Perego, Maurizio Acciarri, Simona Binetti, Yehudit Garcia, Galina Parapelitsa, Aharon J. Agranat, and GianBattista Parravicini	
Improved description of the potential energy surface in BaTiO ₃ by anharmonic phonon coupling (10 pages)	064108
Florian Mayer, Maxim N. Popov, Donald M. Evans, Stephan Krohns, Marco Deluca, and Jürgen Spitaler	

(Continued)

Disorder-free localization transition in a two-dimensional lattice gauge theory (<i>5 pages</i>)	L060308
Nilotpal Chakraborty, Markus Heyl, Petr Karpov, and Roderich Moessner	
Magnetism	
Spin dynamics, entanglement, and the nature of the spin liquid state in YbZnGaO ₄ (<i>6 pages</i>)	L060401
F. L. Pratt, F. Lang, W. Steinhart, S. Haravifard, and S. J. Blundell	
Electromagnetic origin of the microwave absorption response of Fe ₃ O ₄ thin films (<i>6 pages</i>)	L060402
James Wampler, Nelson Hua, Roopali Kukreja, Juan Gabriel Ramírez, Ali C. Basaran, Eric E. Fullerton, Oleg Shpyrko, and Ivan K. Schuller	
Magnon spectrum of the amorphous ferromagnet Co ₄ P from atomistic spin dynamics (<i>6 pages</i>)	L060403
Mai Kameda, Gerrit E. W. Bauer, and Joseph Barker	
☞ Weak ferromagnetism in Tb(Fe _{0.2} Mn _{0.2} Co _{0.2} Cr _{0.2} Ni _{0.2})O ₃ high-entropy oxide perovskite thin films (<i>5 pages</i>) . . .	L060404
Alan Farhan, Federico Stramaglia, Maria Cocconcelli, Nikolai Kuznetsov, Lide Yao, Armin Kleibert, Cinthia Piamonteze, and Sebastiaan van Dijken	
Anomalous temperature dependence of phonon pumping by ferromagnetic resonance in Co/Pd multilayers with perpendicular anisotropy (<i>5 pages</i>)	L060405
W. K. Peria, D.-L. Zhang, Y. Fan, J.-P. Wang, and P. A. Crowell	
Unraveling higher-order contributions to spin excitations probed using resonant inelastic x-ray scattering (<i>6 pages</i>)	L060406
Umesh Kumar, Abhishek Nag, Jiemin Li, H. C. Robarts, A. C. Walters, Mirian García-Fernández, R. Saint-Martin, A. Revcolevschi, Justine Schlappa, Thorsten Schmitt, Steven Johnston, and Ke-Jin Zhou	
Multiple dimensions of spin-gapless semiconducting states in tetragonal Sr ₂ CuF ₆ (<i>6 pages</i>)	L060407
Jianhua Wang, Hongkuan Yuan, Ying Liu, Xiaotian Wang, and Gang Zhang	
☞ Gaps in topological magnon spectra: Intrinsic versus extrinsic effects (<i>6 pages</i>)	L060408
Seung-Hwan Do, Joseph A. M. Paddison, Gabriele Sala, Travis J. Williams, Koji Kaneko, Keitaro Kuwahara, Andrew F. May, Jiaqiang Yan, Michael A. McGuire, Matthew B. Stone, Mark D. Lumsden, and Andrew D. Christianson	
☞ Noncollinear ferrimagnetism and anomalous Hall effects in Mn ₄ N thin films (<i>6 pages</i>)	L060409
Yangkun He, Simon Lenne, Zsolt Gercsi, Gwenaél Atcheson, Jack O'Brien, Daniel Fruchart, Karsten Rode, and J. M. D. Coey	
Quantized and unquantized thermal Hall conductance of the Kitaev spin liquid candidate α -RuCl ₃ (<i>6 pages</i>)	L060410
Y. Kasahara, S. Suetsugu, T. Asaba, S. Kasahara, T. Shibauchi, N. Kurita, H. Tanaka, and Y. Matsuda	
Magnetization process and ordering of the $S = \frac{1}{2}$ pyrochlore Heisenberg antiferromagnet in a magnetic field (<i>8 pages</i>)	L060411
Imre Hagymási, Robin Schäfer, Roderich Moessner, and David J. Luitz	
Uranium-mercury complex antiferromagnet: UHg _{6.4} (<i>9 pages</i>)	L060412
Yu. Prots, M. Krnel, M. Schmidt, Yu. Grin, and E. Svanidze	
Superfluidity and superconductivity	
Cascade of pressure-driven phase transitions in the topological nodal-line superconductor PbTaSe ₂ (<i>7 pages</i>)	L060501
Tahir Murtaza, Haiyang Yang, Jiajia Feng, Yi Shen, Yongheng Ge, Yi Liu, Chunqiang Xu, Wenhe Jiao, Yaokang Lv, Christopher J. Ridley, Craig L. Bull, Pabitra K. Biswas, Raman Sankar, Wei Zhou, Bin Qian, Xuefan Jiang, Zhenjie Feng, Yonghui Zhou, Ziming Zhu, Zhaorong Yang, and Xiaofeng Xu	

(Continued)

LETTERS

Structure, structural phase transitions, mechanical properties, defects

- Anomalous bond softening mediated by strain-induced Friedel-like oscillations in a BC_2N superlattice (8 pages) L060101
Tengfei Xu, Zhaorui Liu, Dominik Legut, and Ruifeng Zhang

- Strain-engineered divergent electrostriction in KTaO_3 (5 pages) L060102
Daniel S. P. Tanner, Pierre-Eymeric Janolin, and Eric Bousquet

- Densification of a polymer glass under high-pressure shear flow (6 pages) L060103
Owen Brazil, H. Özgür Özer, Benjamin Watts, John B. Pethica, and Graham L. W. Cross

Inhomogeneous, disordered, and partially ordered systems

- Many-body localized to ergodic transitions in a system with correlated disorder (7 pages) L060201
Abhisek Samanta, Ahana Chakraborty, and Rajdeep Sensarma

Dynamics, dynamical systems, lattice effects:

- Ubiquity of the quantum boomerang effect in Hermitian Anderson-localized systems (7 pages) L060301
Flavio Noronha and Tommaso Macrì

- Electronic origin of x-ray absorption peak shifts (6 pages) L060302
S. Shallcross, C. v. Korff Schmising, P. Elliott, S. Eisebitt, J. K. Dewhurst, and S. Sharma

- Exotic Zitterbewegung-like motion of wave packets near exceptional points (7 pages) L060303
Weimin Ye, Jianlong Liu, Yang Gao, and Shuang Zhang

- Effect of diffusion on acoustic deformation potential characterization through coherent acoustic phonon dynamics (7 pages) L060304
Long Li, Feng He, Xu Zhao, Zhen Tong, and Liang Guo

- Square-root Floquet topological phases and time crystals (6 pages) L060305
Raditya Weda Bomantara

- Critical localization with van der Waals interactions (6 pages) L060306
Rahul Nandkishore

- Dephasing-enhanced Majorana zero modes in two-dimensional and three-dimensional higher-order topological superconductors (6 pages) L060307
Loredana M. Vasiloiu, Apoorv Tiwari, and Jens H. Bardarson

