

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 96, NUMBER 5

AUGUST 2017-1(I)

Phenomenology of the soft gap, zero-bias peak, and zero-mode splitting in ideal Majorana nanowires (<i>18 pages</i>)	054520
Chun-Xiao Liu, F. Setiawan, Jay D. Sau, and S. Das Sarma	

ERRATA

Erratum: Imaging spin diffusion in germanium at room temperature [Phys. Rev. B 96 , 014403 (2017)] (<i>1 page</i>)	059901(E)
C. Zucchetti, F. Bottegoni, C. Vergnaud, F. Ciccacci, G. Isella, L. Ghirardini, M. Celebrano, F. Rortais, A. Ferrari, A. Marty, M. Finazzi, and M. Jamet	
Erratum: Hydrodynamic theory of quantum fluctuating superconductivity [Phys. Rev. B 94 , 054502 (2016)] (<i>1 page</i>)	059902(E)
Richard A. Davison, Luca V. Delacrétaz, Blaise Goutéraux, and Sean A. Hartnoll	
Erratum: Stripe order on the spin-1 stacked honeycomb lattice in Ba ₂ Ni(PO ₄) ₂ [Phys. Rev. B 95 , 024401 (2017)] (<i>1 page</i>)	059903(E)
Arvind Yogi, A. K. Bera, Arvind Maurya, Ruta Kulkarni, S. M. Yusuf, A. Hoser, A. A. Tsirlin, and A. Thamizhavel	
Erratum: Simulation of Cu-Mg metallic glass: Thermodynamics and structure [Phys. Rev. B 69 , 144205 (2004)] (<i>1 page</i>)	059904(E)
N. P. Bailey, Jakob Schiøtz, and Karsten W. Jacobsen	

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 96, NUMBER 5

AUGUST 2017-1(I)

Modeling Bloch oscillations in nanoscale Josephson junctions (<i>18 pages</i>)	054505
Heli Vora, R. L. Kautz, S. W. Nam, and J. Aumentado	
Nonequilibrium optical conductivity: General theory and application to transient phases (<i>13 pages</i>)	054506
D. M. Kennes, E. Y. Wilner, D. R. Reichman, and A. J. Millis	
Fano fluctuations in superconducting-nanowire single-photon detectors (<i>13 pages</i>)	054507
A. G. Kozorezov, C. Lambert, F. Marsili, M. J. Stevens, V. B. Verma, J. P. Allmaras, M. D. Shaw, R. P. Mirin, and Sae Woo Nam	
Low-energy inelastic response in the superconducting phases of $\text{PrOs}_4\text{Sb}_{12}$ (<i>12 pages</i>)	054508
Chandan Setty, Yuxuan Wang, and Philip W. Phillips	
Magnetic field induced emergent inhomogeneity in a superconducting film with weak and homogeneous disorder (<i>14 pages</i>)	054509
Rini Ganguly, Indranil Roy, Anurag Banerjee, Harkirat Singh, Amit Ghosal, and Pratap Raychaudhuri	
Visualization of quantum turbulence in superfluid $^3\text{He-B}$: Combined numerical and experimental study of Andreev reflection (<i>14 pages</i>)	054510
V. Tsepelin, A. W. Baggaley, Y. A. Sergeev, C. F. Barenghi, S. N. Fisher, G. R. Pickett, M. J. Jackson, and N. Suramlishvili	
Universal properties of high-temperature superconductors from real-space pairing: Role of correlated hopping and intersite Coulomb interaction within the t - J - U model (<i>11 pages</i>)	054511
Michał Zegrodnik and Józef Spałek	
Interface currents and magnetization in singlet-triplet superconducting heterostructures: Role of chiral and helical domains (<i>9 pages</i>)	054512
Alfonso Romano, Canio Noce, Ilya Vekhter, and Mario Cuoco	
Quasiparticle interference in multiband superconductors with strong coupling (<i>12 pages</i>)	054513
A. Dutt, A. A. Golubov, O. V. Dolgov, and D. V. Efremov	
Andreev reflection in two-dimensional relativistic materials with realistic tunneling transparency in normal-metal/superconductor junctions (<i>12 pages</i>)	054514
Yung-Yeh Chang, Chung-Yu Mou, and Chung-Hou Chung	
Phonon linewidth due to electron-phonon interactions with strong forward scattering in FeSe thin films on oxide substrates (<i>8 pages</i>)	054515
Yan Wang, Louk Rademaker, Elbio Dagotto, and Steven Johnston	
Dipolar phonons and electronic screening in monolayer FeSe on SrTiO_3 (<i>8 pages</i>)	054516
Yuanjun Zhou and Andrew J. Millis	
Nonequilibrium interband phase textures induced by vortex splitting in two-band superconductors (<i>7 pages</i>)	054517
A. S. Mosquera Polo, R. M. da Silva, A. Vagov, A. A. Shanenko, C. E. Deluque Toro, and J. Albino Aguiar	
Longitudinal modes of spin fluctuations in iron-based superconductors (<i>6 pages</i>)	054518
Qiang Zhang and Jiangping Hu	
Anomalous magnetic moments as evidence of chiral superconductivity in a Bi/Ni bilayer (<i>6 pages</i>)	054519
Junhua Wang, Xinxin Gong, Guang Yang, Zhaozheng Lyu, Yuan Pang, Guangtong Liu, Zhongqing Ji, Jie Fan, Xiunian Jing, Changli Yang, Fanming Qu, Xiaofeng Jin, and Li Lu	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 96, NUMBER 5

AUGUST 2017-1(I)

Many-body localization phase in a spin-driven chiral multiferroic chain (7 pages)	054440
S. Stagraczyński, L. Chotorlishvili, M. Schüler, M. Mierzejewski, and J. Berakdar	
Long-range interactions in antiferromagnetic quantum spin chains (7 pages)	054441
B. Bravo, D. C. Cabra, F. A. Gómez Albarracín, and G. L. Rossini	
Dynamic scaling of the restoration of rotational symmetry in Heisenberg quantum antiferromagnets (8 pages) . . .	054442
Phillip Weinberg and Anders W. Sandvik	
Native defects in the Co_2TiZ ($Z = \text{Si, Ge, Sn}$) full Heusler alloys: Formation and influence on the thermoelectric properties (15 pages)	054443
Voicu Popescu, Peter Kratzer, Sebastian Wimmer, and Hubert Ebert	
Gate-controlled magnon-assisted switching of magnetization in ferroelectric/ferromagnetic junctions (6 pages)	054444
Yaojin Li, Min Chen, Jamal Berakdar, and Chenglong Jia	
Spinon Fermi surface $U(1)$ spin liquid in the spin-orbit-coupled triangular-lattice Mott insulator YbMgGaO_4 (14 pages)	054445
Yao-Dong Li, Yuan-Ming Lu, and Gang Chen	
Sum rule distortions in fluorescence-yield x-ray magnetic circular dichroism (8 pages)	054446
Boyang Liu, Cinthia Piamonteze, Mario Ulises Delgado-Jaime, Ru-Pan Wang, Jakoba Heidler, Jan Dreiser, Rajesh Chopdekar, Frithjof Nolting, and Frank M. F. de Groot	
Optical spin transfer and spin-orbit torques in thin-film ferromagnets (10 pages)	054447
Junwen Li and Paul M. Haney	
Magneto-orbital ordering in the divalent A -site quadruple perovskite manganites $\text{AMn}_7\text{O}_{12}$ ($A = \text{Sr, Cd, and Pb}$) (10 pages)	054448
R. D. Johnson, D. D. Khalyavin, P. Manuel, P. G. Radaelli, I. S. Glazkova, N. Terada, and A. A. Belik	
Quantum correlations between distant qubits conveyed by large- S spin chains (10 pages)	054449
Davide Nuzzi, Alessandro Cuccoli, Ruggero Vaia, and Paola Verrucchi	
Thickness dependence of spin-orbit torques generated by WTe_2 (8 pages)	054450
David MacNeill, Gregory M. Stiehl, Marcos H. D. Guimarães, Neal D. Reynolds, Robert A. Buhrman, and Daniel C. Ralph	
Superfluidity and superconductivity	
Odd-parity superconductivity in bilayer transition metal dichalcogenides (11 pages)	054501
Yasuharu Nakamura and Youichi Yanase	
Nonlocal equation for the superconducting gap parameter (20 pages)	054502
S. Simonucci and G. Calvanese Strinati	
Out-of-time-order correlation at a quantum phase transition (7 pages)	054503
Huitao Shen, Pengfei Zhang, Ruihua Fan, and Hui Zhai	
Conductance of a superconducting Coulomb-blockaded Majorana nanowire (23 pages)	054504
Ching-Kai Chiu, Jay D. Sau, and S. Das Sarma	

(Continued)

Magnetically induced ferroelectricity in Bi_2CuO_4 (11 pages)	054424
L. Zhao, H. Guo, W. Schmidt, K. Nemkovski, M. Mostovoy, and A. C. Komarek	
Excitation spectrum and density matrix renormalization group iterations (16 pages)	054425
Natalia Chepiga and Frédéric Mila	
Spin density in YTiO_3 : I. Joint refinement of polarized neutron diffraction and magnetic x-ray diffraction data leading to insights into orbital ordering (7 pages)	054426
I. A. Kibalin, Z. Yan, A. B. Voufack, S. Gueddida, B. Gillon, A. Gukasov, F. Porcher, A. M. Bataille, F. Morini, N. Claizer, M. Souhassou, C. Lecomte, J.-M. Gillet, M. Ito, K. Suzuki, H. Sakurai, Y. Sakurai, C. M. Hoffmann, and X. P. Wang	
Spin density in YTiO_3 : II. Momentum-space representation of electron spin density supported by position-space results (8 pages)	054427
Z. Yan, I. A. Kibalin, N. Claizer, S. Gueddida, B. Gillon, A. Gukasov, A. B. Voufack, F. Morini, Y. Sakurai, M. Brancewicz, M. Itou, M. Itoh, N. Tsuji, M. Ito, M. Souhassou, C. Lecomte, P. Cortona, and J.-M. Gillet	
Bias voltage effects on tunneling magnetoresistance in $\text{Fe/MgAl}_2\text{O}_4/\text{Fe}(001)$ junctions: Comparative study with $\text{Fe/MgO/Fe}(001)$ junctions (8 pages)	054428
Keisuke Masuda and Yoshio Miura	
Controlled skyrmion nucleation in extended magnetic layers using a nanocontact geometry (6 pages)	054430
Philipp Dürrenfeld, Yongbing Xu, Johan Åkerman, and Yan Zhou	
Anisotropic Harper-Hofstadter-Mott model: Competition between condensation and magnetic fields (15 pages)	054431
Dario Hügel, Hugo U. R. Strand, Philipp Werner, and Lode Pollet	
Terahertz dielectric analysis and spin-phonon coupling in multiferroic GeV_4S_8 (7 pages)	054432
Matthew T. Warren, G. Pokharel, A. D. Christianson, D. Mandrus, and R. Valdés Aguilar	
Dynamical depinning of chiral domain walls (10 pages)	054433
Simone Moretti, Michele Voto, and Eduardo Martinez	
Ground-state properties of Na_2IrO_3 determined from an <i>ab initio</i> Hamiltonian and its extensions containing Kitaev and extended Heisenberg interactions (13 pages)	054434
Tsuyoshi Okubo, Kazuya Shinjo, Youhei Yamaji, Naoki Kawashima, Shigetoshi Sota, Takami Tohyama, and Masatoshi Imada	
GdPtPb: A noncollinear antiferromagnet with distorted kagome lattice (7 pages)	054435
S. Manni, Sergey L. Bud'ko, and Paul C. Canfield	
Enhanced spin pumping near a magnetic ordering transition (8 pages)	054436
Behrouz Khodadadi, Jamileh Beik Mohammadi, Claudia Mewes, Tim Mewes, M. Manno, C. Leighton, and Casey W. Miller	
Nonlinear effects in the propagation of optically generated magnetostatic volume mode spin waves (9 pages)	054437
L. J. A. van Tilburg, F. J. Buijnsters, A. Fasolino, T. Rasing, and M. I. Katsnelson	
Control of the gyration dynamics of magnetic vortices by the magnetoelastic effect (6 pages)	054438
S. Finizio, S. Wintz, E. Kirk, A. K. Suszka, S. Gliga, P. Wohlhüter, K. Zeissler, and J. Raabe	
<i>H-T</i> phase diagram of solid oxygen (5 pages)	054439
T. Nomura, Y. H. Matsuda, and T. C. Kobayashi	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 96, NUMBER 5

AUGUST 2017-1(I)

Effect of magnetic fields on spin glass dynamics (6 pages)	054408
Qiang Zhai, David C. Harrison, and Raymond L. Orbach	
Spin-mechanical inertia in antiferromagnets (8 pages)	054409
Ran Cheng, Xiaochuan Wu, and Di Xiao	
Unveiling magnetic interactions of ruthenium trichloride via constraining direction of orbital moments: Potential routes to realize a quantum spin liquid (10 pages)	054410
Y. S. Hou, H. J. Xiang, and X. G. Gong	
✂ <i>Ab initio</i> dynamical exchange interactions in frustrated antiferromagnets (9 pages)	054411
Jacopo Simoni, Maria Stamenova, and Stefano Sanvito	
Entanglement of condensed magnons via momentum-space fragmentation (7 pages)	054412
Clement H. Wong and Ari Mizel	
Multipolar phase in frustrated spin-1/2 and spin-1 chains (9 pages)	054413
Aslam Parvej and Manoranjan Kumar	
All-optical detection of the spin Hall angle in W/CoFeB/SiO ₂ heterostructures with varying thickness of the tungsten layer (8 pages)	054414
Sucheta Mondal, Samiran Choudhury, Neha Jha, Arnab Ganguly, Jaivardhan Sinha, and Anjan Barman	
Efficient algorithms for the dynamics of large and infinite classical central spin models (12 pages)	054415
Benedikt Fauseweh, Philipp Schering, Jan Hüdepohl, and Götz S. Uhrig	
Phase transitions and magnetic properties of LuFe ₂ O ₄ under pressure (9 pages)	054416
V. Markovich, I. Fita, A. Wisniewski, R. Puzniak, C. Martin, G. Jung, and G. Gorodetsky	
Structure, magnetic susceptibility, and specific heat of the spin-orbital-liquid candidate FeSc ₂ S ₄ : Influence of Fe off-stoichiometry (10 pages)	054417
V. Tsurkan, L. Prodan, V. Felea, I. Filippova, V. Kravtsov, A. Günther, S. Widmann, H.-A. Krug von Nidda, J. Deisenhofer, and A. Loidl	
Toward pressure-induced multiferroicity in PrMn ₂ O ₅ (6 pages)	054418
W. Peng, V. Balédent, S. Chattopadhyay, M.-B. Lepetit, G. Yahia, C. V. Colin, M. J. Gooch, C. R. Pasquier, P. Auban-Senzier, M. Greenblatt, and P. Foury-Leykian	
Analytical description of the mode hybridization in a restricted two-dimensional model for an electromagnetic cavity containing a thin magnetized slab (8 pages)	054419
V. V. Dodonov and A. V. Dodonov	
Unconventional magnetic phase separation in γ -CoV ₂ O ₆ (6 pages)	054420
L. Shen, E. Jellyman, E. M. Forgan, E. Blackburn, M. Laver, E. Canévet, J. Schefer, Z. He, and M. Itoh	
Magnetic aftereffects in CoFeB/Ta/CoFeB spin valves of large area (10 pages)	054421
R. Morgunov, Y. Lu, M. Lavanant, T. Fache, X. Deveaux, S. Migot, O. Koplak, A. Talantsev, and S. Mangin	
Identifying Landau order parameters and their transformation properties for complex multiferroics: The case of Mn ₂ GeO ₄ (14 pages)	054422
A. B. Harris	
✂ Spinon confinement in a quasi-one-dimensional anisotropic Heisenberg magnet (16 pages)	054423
A. K. Bera, B. Lake, F. H. L. Essler, L. Vanderstraeten, C. Hubig, U. Schollwöck, A. T. M. N. Islam, A. Schneidewind, and D. L. Quintero-Castro	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 96, NUMBER 5

AUGUST 2017-1(I)

Disorder-induced transitions in resonantly driven Floquet topological insulators (17 pages)	054207
Paraj Titum, Netanel H. Lindner, and Gil Refael	
Superbosonization in disorder and chaos: Role of anomalies (12 pages)	054208
Tigran A. Sedrakyan and Konstantin B. Efetov	
Inverse design of perfectly transmitting eigenchannels in scattering media (6 pages)	054209
M. Koirala, R. Sarma, H. Cao, and A. Yamilov	
Dynamics, dynamical systems, lattice effects:	
Dissipative Landau-Zener problem and thermally assisted Quantum Annealing (9 pages)	054301
Luca Arceci, Simone Barbarino, Rosario Fazio, and Giuseppe E. Santoro	
Steady-state properties of a nonequilibrium Fermi gas (11 pages)	054302
Pedro Ribeiro	
Universal long-time behavior of aperiodically driven interacting quantum systems (14 pages)	054303
Zi Cai, Claudius Hubig, and Ulrich Schollwöck	
Vibrational states of atomic hydrogen in bulk and nanocrystalline palladium studied by neutron spectroscopy (7 pages)	054304
Maiko Kofu, Naoki Hashimoto, Hiroshi Akiba, Hirokazu Kobayashi, Hiroshi Kitagawa, Kazuki Iida, Mitsutaka Nakamura, and Osamu Yamamuro	
SQUID metamaterials on a Lieb lattice: From flat-band to nonlinear localization (10 pages)	054305
N. Lazarides and G. P. Tsironis	
Universal nonanalytic behavior of the nonequilibrium Hall conductance in Floquet topological insulators (14 pages)	054306
Markus Schmitt and Pei Wang	
Scattering of a composite quasiparticle by an impurity on a lattice (13 pages)	054307
Fumika Suzuki, Marina Litinskaya, and William G. Unruh	
Magnetism	
Bound states of fractionalized excitations in a modulated Kitaev spin liquid (8 pages)	054401
Hugo Théveniaut and Matthias Vojta	
Neutron study of in-plane skyrmions in MnSi thin films (9 pages)	054402
S. A. Meynell, M. N. Wilson, K. L. Krycka, B. J. Kirby, H. Fritzsche, and T. L. Monchesky	
Relation of the Dzyaloshinskii-Moriya interaction to spin currents and to the spin-orbit field (13 pages)	054403
Frank Freimuth, Stefan Blügel, and Yuriy Mokrousov	
Tripartite entangled plaquette state in a cluster magnet (10 pages)	054405
Juan Carrasquilla, Gang Chen, and Roger G. Melko	
Critical behavior of quasi-two-dimensional semiconducting ferromagnet Cr ₂ Ge ₂ Te ₆ (7 pages)	054406
Yu Liu (刘育) and C. Petrovic	
Quantitative characterization of spin-orbit torques in Pt/Co/Pt/Co/Ta/BTO heterostructures due to the magnetization azimuthal angle dependence (11 pages)	054407
Christian Engel, Sarjoosing Goolaup, Feilong Luo, and Wen Siang Lew	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 96, NUMBER 5

AUGUST 2017-1(I)

Computer simulation of thermal conductivity in vulcanized polyisoprene at variable strain and temperature (<i>11 pages</i>)	054110
Sven Engelmann, Jan Meyer, and Reinhard Hentschke	
<i>Ab initio</i> molecular dynamics study of the structural and electronic transition in VO ₂ (<i>9 pages</i>)	054111
Dušan Plašienka, Roman Martoňák, and Marcus C. Newton	
Defects and oxidation resilience in InSe (<i>8 pages</i>)	054112
K. J. Xiao, A. Carvalho, and A. H. Castro Neto	
Correlated polarization-switching kinetics in bulk polycrystalline ferroelectrics: A self-consistent mesoscopic switching model (<i>10 pages</i>)	054113
Ruben Khachatryan, Jens Wehner, and Yuri A. Genenko	
Strange metal from Gutzwiller correlations in infinite dimensions (<i>13 pages</i>)	054114
Wenxin Ding, Rok Žitko, Peizhi Mai, Edward Perepelitsky, and B. Sriram Shastry	
Insights into the dielectric response of ferroelectric relaxors from statistical modeling (<i>11 pages</i>)	054115
J. Liu, F. Li, Y. Zeng, Z. Jiang, L. Liu, D. Wang, Z.-G. Ye, and C.-L. Jia	
Electric-field-induced phase transition and electrocaloric effect in PMN-PT (<i>8 pages</i>)	054116
H. H. Wu and R. E. Cohen	
Structural and ferroelectric phase evolution in [KNbO ₃] _{1-x} [BaNi _{1/2} Nb _{1/2} O _{3-δ}] _x ($x = 0, 0.1$) (<i>8 pages</i>)	054117
Christopher J. Hawley, Liyan Wu, Geoffrey Xiao, Ilya Grinberg, Andrew M. Rappe, Peter K. Davies, and Jonathan E. Spanier	
Lattice instability during phase transformations under multiaxial stress: Modified transformation work criterion (<i>11 pages</i>)	054118
Valery I. Levitas, Hao Chen, and Liming Xiong	
Inhomogeneous, disordered, and partially ordered systems	
Effect of component substitution on the atomic dynamics in glass-forming binary metallic melts (<i>10 pages</i>)	054201
B. Nowak, D. Holland-Moritz, F. Yang, Th. Voigtmann, Z. Evenson, T. C. Hansen, and A. Meyer	
Self-dual quasiperiodic systems with power-law hopping (<i>11 pages</i>)	054202
Sarang Gopalakrishnan	
Band-gap tuning and optical response of two-dimensional Si _x C _{1-x} : A first-principles real-space study of disordered two-dimensional materials (<i>9 pages</i>)	054203
Banasree Sadhukhan, Prashant Singh, Arabinda Nayak, Sujoy Datta, Duane D. Johnson, and Abhijit Mookerjee	
Experimental and <i>ab initio</i> molecular dynamics study of the structure and physical properties of liquid GeTe (<i>11 pages</i>)	054204
Hans Weber, Mathias Schumacher, Pál Jóvári, Yoshimi Tsuchiya, Werner Skrotzki, Riccardo Mazzarello, and Ivan Kaban	
Impurity effects and bandgap closing in massive Dirac systems (<i>8 pages</i>)	054205
Habib Rostami and Emmanuele Cappelluti	
<i>Ab initio</i> simulation of permanent densification in silica glass (<i>5 pages</i>)	054206
Emina Ryuo, Daisuke Wakabayashi, Akihide Koura, and Fuyuki Shimojo	

(Continued)

EDITORIALS AND ANNOUNCEMENTS

Editorial: Materials Research in the <i>Physical Review Journals</i> (1 page)	050001
---	--------

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

All-optical hyperpolarization of electron and nuclear spins in diamond (8 pages)	054101
B. L. Green, B. G. Breeze, G. J. Rees, J. V. Hanna, J.-P. Chou, V. Ivády, A. Gali, and M. E. Newton	
Rules and mechanisms governing octahedral tilts in perovskites under pressure (11 pages)	054102
H. J. Xiang, Mael Guennou, Jorge Íñiguez, Jens Kreisel, and L. Bellaiche	
Simple way to apply nonlocal van der Waals functionals within all-electron methods (11 pages)	054103
Fabien Tran, Julia Stelzl, David Koller, Thomas Ruh, and Peter Blaha	
Near-field limitations of Fresnel-regime coherent diffraction imaging (8 pages)	054104
Benjamin A. Pound, John L. Barber, Kimberly Nguyen, Matthew C. Tyson, and Richard L. Sandberg	
Effect of Pt substitution on the magnetocrystalline anisotropy of Ni ₂ MnGa: A competition between chemistry and elasticity (6 pages)	054105
L. Caron, B. Dutta, P. Devi, M. Ghorbani Zavareh, T. Hickel, R. Cabassi, F. Bolzoni, S. Fabbri, F. Albertini, C. Felser, and Sanjay Singh	
Temperature of emergence of a transformational process zone at a crack tip (11 pages)	054106
A. Boulbitch and A. L. Korzhenevskii	
Thermally assisted ordering in Mott insulators (5 pages)	054107
Hunter Sims, Eva Pavarini, and Erik Koch	
Phase transition of tetragonal copper sulfide Cu ₂ S at low temperatures (11 pages)	054108
D. Zimmer, J. Ruiz-Fuertes, L. Bayarjargal, E. Haussühl, B. Winkler, J. Zhang, C. Q. Jin, V. Milman, E. Alig, and L. Fink	
Phase coexistence and Landau expansion parameters for a 0.70Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.30PbTiO ₃ single crystal (9 pages)	054109
Hangbo Zhang, Xiaoyan Lu, Ruixue Wang, Chunying Wang, Limei Zheng, Zhen Liu, Chao Yang, Rui Zhang, Bin Yang, and Wenwu Cao	

