

ERRATA

Erratum: Strong coupling between weakly guided semiconductor nanowire modes and an organic dye [Phys. Rev. B 99 , 205409 (2019)] (<i>1 page</i>).....	239901(E)
Diego R. Abujetas, Johannes Feist, Francisco J. García-Vidal, Jaime Gómez Rivas, and José A. Sánchez-Gil	
Erratum: Effective one-band approach for the spin splittings in quantum wells [Phys. Rev. B 95 , 125303 (2017)] (<i>1 page</i>).....	239902(E)
P. S. Alekseev and M. O. Nestoklon	

Energy transfer during resonant neutralization of hyperthermal protons at an aluminum surface studied with time-dependent density functional theory (9 pages)	235421
Lukas Deuchler and Eckhard Pehlke	
Heat transport in overdamped quantum systems (10 pages)	235422
Sadeq S. Kadijani, Thomas L. Schmidt, Massimiliano Esposito, and Nahuel Freitas	
☞ Charge transfer excitations, pair density waves, and superconductivity in moiré materials (11 pages)	235423
Kevin Slagle and Liang Fu	
Spin stiffness of a Fermi liquid in the $\nu = 1$ quantum Hall regime (6 pages)	235424
A. B. Van'kov and I. V. Kukushkin	
Direct high-resolution resonant Raman scattering measurements of dynamic nuclear spin polarization states of an InAs quantum dot (14 pages)	235425
Aaron M. Ross, Allan S. Bracker, Michael K. Yakes, Daniel Gammon, L. J. Sham, and Duncan G. Steel	
Berry curvature, orbital magnetization, and Nernst effect in biased bilayer WSe ₂ (10 pages)	235426
Vassilios Vargiamidis, P. Vasilopoulos, M. Tahir, and Neophytos Neophytou	
Autonomous quantum absorption refrigerators (11 pages)	235427
Sreenath K. Manikandan, Étienne Jussiau, and Andrew N. Jordan	
Phonon softening near topological phase transitions (8 pages)	235428
Shengying Yue, Bowen Deng, Yanming Liu, Yujie Quan, Runqing Yang, and Bolin Liao	
☞ Real-space Raman spectroscopy of graphene isotope superlattices (9 pages)	235429
Eric Whiteway, Martin Lee, and Michael Hilke	
☞ Unified description of spin transport, weak antilocalization, and triplet superconductivity in systems with spin-orbit coupling (14 pages)	235430
Stefan Ilić, Ilya V. Tokatly, and F. Sebastián Bergeret	
Surface-induced linear magnetoresistance in the antiferromagnetic topological insulator MnBi ₂ Te ₄ (8 pages)	235431
X. Lei, L. Zhou, Z. Y. Hao, X. Z. Ma, C. Ma, Y. Q. Wang, P. B. Chen, B. C. Ye, L. Wang, F. Ye, J. N. Wang, J. W. Mei, and H. T. He	
Theory of single and double electron spin-flip Raman scattering in semiconductor nanoplatelets (17 pages)	235432
A. V. Rodina and E. L. Ivchenko	
Ring charging of a single silicon dangling bond imaged by noncontact atomic force microscopy (6 pages)	235433
Natalia Turek, Sylvie Godey, Dominique Deresmes, and Thierry Mélin	
Magnon-magnon interaction and magnon relaxation time in a ferromagnetic Cr ₂ Ge ₂ Te ₆ monolayer (12 pages)	235434
Ke Wang, Xiansong Xu, Yuan Cheng, Min Zhang, Jian-Sheng Wang, Hai Wang, and Gang Zhang	
Valley-dependent properties of monolayer MoSi ₂ N ₄ , WSi ₂ N ₄ , and MoSi ₂ As ₄ (10 pages)	235435
Si Li, Weikang Wu, Xiaolong Feng, Shan Guan, Wanxiang Feng, Yugui Yao, and Shengyuan A. Yang	
Specific heat of thin ⁴ He films on graphite (6 pages)	235436
Massimo Boninsegni and Saverio Moroni	
Coulomb blockade and quantum confinement in field electron emission from heterostructured nanotips (7 pages)	235437
Victor I. Kleshch, Vitali Porshyn, Dirk Lützenkirchen-Hecht, and Alexander N. Obraztsov	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 102, NUMBER 23

DECEMBER 2020-15(I)

Optoelectronic properties of confined water in angstrom-scale slits (9 pages)	235406
S. Shekarforoush, H. Jalali, M. Yagmurcukardes, M. V. Milošević, and M. Neek-Amal	
First-principles study on the stability and electronic structure of monolayer GaSe with trigonal-antiprismatic structure (7 pages)	235407
Hirokazu Nitta, Takahiro Yonezawa, Antoine Fleurence, Yukiko Yamada-Takamura, and Taisuke Ozaki	
Dispersion of the nonlinear susceptibility of MoS ₂ and WS ₂ from second-harmonic scattering spectroscopy (7 pages)	235408
Kévin Bredillet, Jérémy Riporto, Gregory T. Forcherio, Jeremy R. Dunklin, Jean-Pierre Wolf, Luigi Bonacina, Yannick Mugnier, and Ronan Le Dantec	
Systematic theoretical study of carbon nanotubes rolled from a two-dimensional tetrahex-carbon nanosheet (10 pages)	235409
Guang Yang, Ying Yang, and Xihong Peng	
Emergence of strain-induced moiré patterns and pseudomagnetic field confined states in graphene (9 pages)	235410
Md Tareq Mahmud and Nancy Sandler	
Topological features of ground states and topological solitons in generalized Su-Schrieffer-Heeger models using generalized time-reversal, particle-hole, and chiral symmetries (18 pages)	235411
Sang-Hoon Han, Seung-Gyo Jeong, Sun-Woo Kim, Tae-Hwan Kim, and Sangmo Cheon	
Electric forces on a confined advacancy island (6 pages)	235412
F. Leroy, A. El Barraï, F. Cheynis, P. Müller, and S. Curiotto	
Spin polarization recovery and Hanle effect for charge carriers interacting with nuclear spins in semiconductors (15 pages)	235413
D. S. Smirnov, E. A. Zhukov, D. R. Yakovlev, E. Kirstein, M. Bayer, and A. Greilich	
Integer quantum Hall effect of the α -T ₃ model with a broken flat band (10 pages)	235414
Juan Juan Wang, S. Liu, J. Wang, and Jun-Feng Liu	
Spontaneous phase slippage and charge density wave synchronization near the Peierls transition (10 pages)	235415
S. G. Zybtsev, S. A. Nikonov, and V. Ya. Pokrovskii	
Vibrational origin of exchange splitting and chiral-induced spin selectivity (8 pages)	235416
J. Fransson	
Imaging and manipulation of adsorbed Pb adatom structures on the Si(100) surface by noncontact atomic force microscopy (11 pages)	235417
Adam Sweetman, Shashank S. Hariviyasi, Jack Henry, and Ioannis Lekkas	
Tuning band gaps in twisted bilayer MoS ₂ (7 pages)	235418
Yipei Zhang, Zhen Zhan, Francisco Guinea, Jose Ángel Silva-Guillén, and Shengjun Yuan	
Atomic structure of the (111) surface of the antiferromagnetic 1/1 Au-Al-Tb approximant (9 pages)	235419
Sam Coates, Kazuki Nozawa, Masahiro Fukami, Kazuki Inagaki, Masahiko Shimoda, Ronan McGrath, Hem Raj Sharma, and Ryuji Tamura	
Nearly perfect spin filtering in curved two-dimensional topological insulators (9 pages)	235420
Alireza Saffarzadeh and George Kirczenow	

(Continued)



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).

Doping and temperature dependence of nuclear spin relaxation in <i>n</i> -type GaAs (7 pages)	235205
L. Abaspour, P. Sterin, E. P. Rugeramigabo, J. Hübner, and M. Oestreich	
Local electronic and magnetic properties of the doped topological insulators Bi ₂ Se ₃ :Ca and Bi ₂ Te ₃ :Mn investigated using ion-implanted ⁸ Li β -NMR (14 pages)	235206
Ryan M. L. McFadden, Aris Chatzichristos, David L. Cortie, Derek Fujimoto, Yew San Hor, Huiwen Ji, Victoria L. Karner, Robert F. Kiefl, C. D. Philip Levy, Ruohong Li, Iain McKenzie, Gerald D. Morris, Matthew R. Pearson, Monika Stachura, Robert J. Cava, and W. Andrew MacFarlane	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Nonlocal scattering matrix description of anisotropic polar heterostructures (14 pages)	235301
Christopher R. Gubbin and Simone De Liberato	
Gate-controlled unitary operation on flying spin qubits in quantum Hall edge states (8 pages)	235302
Takase Shimizu, Taketomo Nakamura, Yoshiaki Hashimoto, Akira Endo, and Shingo Katsumoto	
Optical signatures of electron-phonon decoupling due to strong light-matter interactions (10 pages)	235303
Emil V. Denning, Matias Bundgaard-Nielsen, and Jesper Mørk	
Thermoelectric transport in coupled double layers with interlayer excitons and exciton condensation (15 pages)	235304
Jiuning Hu, Albert F. Rigosi, David B. Newell, and Yong P. Chen	
Size scaling of the exchange interaction in the quantum Hall effect regime (6 pages)	235305
Daniel Werner and Josef Oswald	
Realization of a tunable fiber-based double cavity system (6 pages)	235306
T. Herzog, S. Böhrkircher, S. Both, M. Fischer, R. Sittig, M. Jetter, S. L. Portalupi, T. Weiss, and P. Michler	
Capacitive detection of magnetic field induced quantum phase transitions in an imbalanced bilayer electron system (6 pages)	235307
S. I. Dorozhkin, A. A. Kapustin, I. B. Fedorov, V. Umansky, and J. H. Smet	
Surface physics, nanoscale physics, low-dimensional systems	
Emission redshift in DCM2-doped Alq ₃ caused by nonlinear Stark shifts and Förster-mediated exciton diffusion (7 pages)	235401
Graziâni Candioto, Ronaldo Giro, Bruno A. C. Horta, Flávia P. Rosselli, Marcelo de Cicco, Carlos A. Achete, Marco Cremona, and Rodrigo B. Capaz	
Nanomechanics driven by Andreev tunneling (6 pages)	235402
A. V. Parafilo, L. Y. Gorelik, M. V. Fistul, H. C. Park, and R. I. Shekhter	
Nonvolatile ferroelectric control of topological states in two-dimensional heterostructures (8 pages)	235403
Hua Bai, Xinwei Wang, Weikang Wu, Pimo He, Zhu'an Xu, Shengyuan A. Yang, and Yunhao Lu	
Dirac fermions in graphene using the position-dependent translation operator formalism (9 pages)	235404
V. Aguiar, S. M. Cunha, D. R. da Costa, and Raimundo N. Costa Filho	
Acoustoelectric effect in two-dimensional Dirac materials exposed to Rayleigh surface acoustic waves (8 pages)	235405
K. Sonowal, A. V. Kalameitsev, V. M. Kovalev, and I. G. Savenko	

(Continued)

Accessing the ordered phase of correlated Fermi systems: Vertex bosonization and mean-field theory within the functional renormalization group (<i>18 pages</i>)	235160
Pietro M. Bonetti	
Thermodynamics of energy magnetization (<i>5 pages</i>)	235161
Yinhan Zhang, Yang Gao, and Di Xiao	
Anisotropic Fano resonance in the Weyl semimetal candidate LaAlSi (<i>8 pages</i>)	235162
Kunyan Zhang, Tong Wang, Xiaoqi Pang, Fei Han, Shun-Li Shang, Nguyen T. Hung, Zi-Kui Liu, Mingda Li, Riichiro Saito, and Shengxi Huang	
Torsional Landau levels and geometric anomalies in condensed matter Weyl systems (<i>21 pages</i>)	235163
Sara Laurila and Jaakko Nissinen	
Quantum oscillations and magnetic field induced Fermi surface reconstruction in the charge density wave state of $A_{0.9}\text{Mo}_6\text{O}_{17}$ ($A=\text{Na},\text{K}$) (<i>7 pages</i>)	235164
H. P. Zhu, M. Yang, J. Z. Ke, H. K. Zuo, T. Peng, J. F. Wang, Yi Liu, Xiaofeng Xu, Y. Kohama, K. Kindo, and M. Greenblatt	
Destabilization of U(1) Dirac spin liquids on two-dimensional nonbipartite lattices by quenched disorder (<i>13 pages</i>)	235165
Santanu Dey	
Formation of spatial patterns by spin-selective excitations of interacting fermions (<i>15 pages</i>)	235166
T. Köhler, S. Paeckel, C. Meyer, and S. R. Manmana	
Prediction of spin polarized Fermi arcs in quasiparticle interference in CeBi (<i>8 pages</i>)	235167
Zhao Huang, Christopher Lane, Chao Cao, Guo-Xiang Zhi, Yu Liu, Christian E. Matt, Brinda Kuthanazhi, Paul C. Canfield, Dmitry Yarotski, A. J. Taylor, and Jian-Xin Zhu	
Koopmans-compliant screened exchange potential with correct asymptotic behavior for semiconductors (<i>5 pages</i>)	235168
Michael Lorke, Peter Deák, and Thomas Frauenheim	
Effects of frustration on the nonequilibrium dynamics of photoexcited lattice systems (<i>11 pages</i>)	235169
Nikolaj Bittner, Denis Golež, Martin Eckstein, and Philipp Werner	
Integrable quantum spin chains with free fermionic and parafermionic spectrum (<i>13 pages</i>)	235170
Francisco C. Alcaraz and Rodrigo A. Pimenta	

Semiconductors I: bulk

Relativistic Doppler reflection of terahertz light from a moving plasma front in an optically pumped Si wafer (<i>9 pages</i>)	235201
Nanase Kohno, Ryuji Itakura, and Masaaki Tsubouchi	
Momentum-resolved spectroscopy for the saddle-point excitons in InSb (<i>11 pages</i>)	235202
Hiroshi Tanimura and Katsumi Tanimura	
Superconducting subphase and substantial Knight shift in Sr_2RuO_4 (<i>11 pages</i>)	235203
R. Gupta, T. Saunderson, S. Shallcross, M. Gradhand, J. Quintanilla, and J. Annett	
Interlayer and excited-state exciton transitions in bulk $2H\text{-MoS}_2$ (<i>8 pages</i>)	235204
Vishwas Jindal, Dipankar Jana, Thorsten Deilmann, and Sandip Ghosh	

(Continued)



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).

 Fermiology and type-I superconductivity in the chiral superconductor NbGe ₂ with Kramers-Weyl fermions (9 pages) Eve Emmanouilidou, Sougata Mardanya, Jie Xing, P. V. Sreenivasa Reddy, Amit Agarwal, Tay-Rong Chang, and Ni Ni	235144
Peierls versus Holstein models for describing electron-phonon coupling in perovskites (14 pages) Yau-Chuen Yam, Mirko M. Moeller, George A. Sawatzky, and Mona Berciu	235145
Flat-band topology of magic angle graphene on a transition metal dichalcogenide (11 pages) Tianle Wang, Nick Bultinck, and Michael P. Zaletel	235146
Superconductor-like effects in an ac-driven normal Mott-insulating quantum dot array (11 pages) Sanjeev Kumar and Vikram Tripathi	235147
Topological character of three-dimensional nexus triple point degeneracies (10 pages) Ankur Das and Sumiran Pujari	235148
Thermodynamic approach to electric quadrupole moments (12 pages) Akito Daido, Atsuo Shitade, and Youichi Yanase	235149
Electronic and crystal structures of (Na _{1-x} Ca _x)Cr ₂ O ₄ with anomalous colossal magnetoresistance (11 pages) Hitoshi Yamaoka, Eike F. Schwier, Yoshiya Yamamoto, Masashi Nakatake, Masahiro Sawada, Hiroya Sakurai, Naohito Tsujii, Masashi Arita, Hideaki Iwasawa, Munetaka Taguchi, Kenya Shimada, and Jun'ichiro Mizuki	235150
 Non-Hermitian topological Mott insulators in one-dimensional fermionic superlattices (16 pages) Tao Liu, James Jun He, Tsuneya Yoshida, Ze-Liang Xiang, and Franco Nori	235151
Interplay of flat electronic bands with Holstein phonons (9 pages) Chunhan Feng and Richard T. Scalettar	235152
Jacutingaite-family: A class of topological materials (6 pages) F. Crasto de Lima, R. H. Miwa, and A. Fazzio	235153
Dynamical transition for a class of integrable models coupled to a bath (11 pages) Madhumita Sarkar and K. Sengupta	235154
High-field thermal transport properties of the Kitaev quantum magnet α -RuCl ₃ : Evidence for low-energy excitations beyond the critical field (8 pages) Richard Hentrich, Xiaochen Hong, Matthias Gillig, Federico Caglieris, Matija Čulo, Maryam Shahrokhvand, Uli Zeitler, Maria Roslova, Anna Isaeva, Thomas Doert, Lukas Janssen, Matthias Vojta, Bernd Büchner, and Christian Hess	235155
Tuning the topology of <i>p</i> -wave superconductivity in an analytically solvable two-band model (8 pages) Haiping Hu, Erhai Zhao, and Indubala I. Satija	235156
Symmetry-resolved entanglement in symmetry-protected topological phases (13 pages) Daniel Azses and Eran Sela	235157
Fate of a multiple-band Fermi liquid that is coupled with critical ϕ^4 bosons (23 pages) Zhiming Pan and Ryuichi Shindou	235158
Pulay forces in density-functional theory with extended Hubbard functionals: From nonorthogonalized to orthogonalized manifolds (15 pages) Iurii Timrov, Francesco Aquilante, Luca Binci, Matteo Cococcioni, and Nicola Marzari	235159

(Continued)

Two-orbital degeneracy lifted local precursor to a metal-insulator transition in MgTi_2O_4 (13 pages)	235128
Long Yang, Robert J. Koch, Hong Zheng, J. F. Mitchell, Weiguo Yin, Matthew G. Tucker, Simon J. L. Billinge, and Emil S. Bozin	
Curvature function renormalization, topological phase transitions, and multicriticality (9 pages)	235129
Faruk Abdulla, Priyanka Mohan, and Sumathi Rao	
Learning the electronic density of states in condensed matter (14 pages)	235130
Chiheb Ben Mahmoud, Andrea Anelli, Gábor Csányi, and Michele Ceriotti	
Selective observation of spin and charge dynamics in an organic superconductor λ -(BETS) $_2$ GaCl $_4$ using $^{69,71}\text{Ga}$ NMR measurements (7 pages)	235131
T. Kobayashi, K. Tsuji, A. Ohnuma, and A. Kawamoto	
Time evolution of many-body localized systems in two spatial dimensions (12 pages)	235132
A. Kshetrimayum, M. Goihl, and J. Eisert	
Fluctuation diagnostic of the nodal/antinodal dichotomy in the Hubbard model at weak coupling: A parquet dual fermion approach (12 pages)	235133
Friedrich Krien, Alexander I. Lichtenstein, and Georg Rohringer	
Magneto-optical conductivity in generic Weyl semimetals (14 pages)	235134
Marcus Stålhammar, Jorge Larana-Aragon, Johannes Knolle, and Emil J. Bergholtz	
Experimental and theoretical study of the correlated compound YbCdSn: Evidence for large magnetoresistance and mass enhancement (9 pages)	235135
Antu Laha, P. Rambabu, V. Kanchana, L. Petit, Z. Szotek, and Z. Hossain	
Electronic correlations and crystal-field effects in $\text{RCu}_3\text{Ru}_4\text{O}_{12}$ ($R = \text{La, Pr, Nd}$) (18 pages)	235136
A. Günther, S. Riegg, W. Kraetschmer, S. Wehrmeister, N. Büttgen, E.-W. Scheidt, H.-A. Krug von Nidda, M. V. Eremin, E. A. Arkhipova, R. M. Eremina, A. Krimmel, H. Mutka, and A. Loidl	
Coexistence of non-Fermi liquid behavior and biquadratic exchange coupling in La-substituted CeGe: Nonlinear susceptibility and DFT+DMFT study (10 pages)	235137
Karan Singh, Antik Sihi, Sudhir K. Pandey, and K. Mukherjee	
Spin transition in SrFeO_2 under pressure by x-ray spectroscopy (5 pages)	235138
J.-P. Rueff, V. Balédent, K. Higashi, and H. Kageyama	
Photocurrent of exciton polaritons (9 pages)	235139
Takahiro Morimoto and Naoto Nagaosa	
Oxyfluoride superlattices $\text{KTaO}_3/\text{KMF}_3$ ($M=\text{Zn, Ni}$): Structural and electronic phenomena (10 pages)	235140
A. C. Garcia-Castro, Philippe Ghosez, Eric Bousquet, and Aldo H. Romero	
Time-dependent approach to inelastic scattering spectroscopies in and away from equilibrium: Beyond perturbation theory (10 pages)	235141
Krissia Zawadzki, Luhang Yang, and Adrian E. Feiguin	
Soft and anisotropic local moments in 4d and 5d mixed-valence M_2O_9 dimers (12 pages)	235142
Ying Li, Alexander A. Tsirlin, Tusharkanti Dey, Philipp Gegenwart, Roser Valentí, and Stephen M. Winter	
Edge mode manipulation through commensurate multifrequency driving (15 pages)	235143
Paolo Molignini	

(Continued)



CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 102, NUMBER 23

DECEMBER 2020-15(I)

	Comparative study of the density matrix embedding theory for Hubbard models (<i>11 pages</i>)	235111
	Masataka Kawano and Chisa Hotta	
	Determining non-Abelian topological order from infinite projected entangled pair states (<i>13 pages</i>)	235112
	Anna Francuz and Jacek Dziarmaga	
	Second-order functional renormalization group approach to quantum wires out of equilibrium (<i>14 pages</i>)	235113
	C. Klöckner, D. M. Kennes, and C. Karrasch	
	Floquet perturbation theory for periodically driven weakly interacting fermions (<i>12 pages</i>)	235114
	Roopayan Ghosh, Bhaskar Mukherjee, and K. Sengupta	
	Interacting topological mirror excitonic insulator in one dimension (<i>7 pages</i>)	235115
	Lun-Hui Hu, Rui-Xing Zhang, Fu-Chun Zhang, and Congjun Wu	
	Transport properties of the organic Dirac electron system α -(BEDT-TSeF) ₂ I ₃ (<i>12 pages</i>)	235116
	D. Ohki, K. Yoshimi, and A. Kobayashi	
	Electronic structures of a diagonally striped lattice: Multiple ($N - 1$)-fold degenerate flat bands (<i>10 pages</i>)	235117
	Xiaojuan Ni, Jinli Yan, and Feng Liu	
	Adiabatic connection in spin-current density functional theory (<i>5 pages</i>)	235118
	Jacques K. Desmarais, Jean-Pierre Flament, and Alessandro Erba	
	Observation of the Griffiths phase in the ternary nitrides Sn _{1-x} NFe _{3+x} (<i>10 pages</i>)	235119
	Chaocheng Liu, Xucai Kan, Bosen Wang, and Xiansong Liu	
	Fractal non-Fermi liquids from moiré Hofstadter phonons (<i>15 pages</i>)	235120
	Ajesh Kumar, Zihan Cheng, and Andrew C. Potter	
	Understanding electronic peculiarities in tetragonal FeSe as local structural symmetry breaking (<i>11 pages</i>)	235121
	Zhi Wang, Xin-Gang Zhao, Robert Koch, Simon J. L. Billinge, and Alex Zunger	
	Strategies for solving the Fermi-Hubbard model on near-term quantum computers (<i>25 pages</i>)	235122
	Chris Cade, Lana Mineh, Ashley Montanaro, and Stasja Stanisic	
	Ferromagnetism and its stability from the one-magnon spectrum in twisted bilayer graphene (<i>7 pages</i>)	235123
	Yahya Alavirad and Jay Sau	
	Phases and quantum phase transitions in an anisotropic ferromagnetic Kitaev-Heisenberg- Γ magnet (<i>26 pages</i>)	235124
	Animesh Nanda, Kusum Dhochak, and Subhro Bhattacharjee	
	Magnetic phases of the triangular Kondo lattice (<i>9 pages</i>)	235125
	M. Keßler and R. Eder	
	Quantum anomalous Hall phase in synthetic bilayers via twistrionics without a twist (<i>14 pages</i>)	235126
	Tymoteusz Salamon, Ravindra W. Chhajlany, Alexandre Dauphin, Maciej Lewenstein, and Debraj Rakshit	
	Ferri-chiral compounds with potentially switchable Dresselhaus spin splitting (<i>13 pages</i>)	235127
	Pu Huang, Zhiguo Xia, Xiaoqing Gao, James M. Rondinelli, Xiuwen Zhang, Han Zhang, Kenneth R. Poepelmeier, and Alex Zunger	

(Continued)

 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).

ARTICLES

Electronic structure and strongly correlated systems

- Flat-band ferromagnetism in twisted bilayer graphene (9 pages) 235101
R. Pons, A. Mielke, and T. Stauber
- Metal-insulator transitions in epitaxial rocksalt-structure $\text{Cr}_{1-x/2}\text{N}_{1-x}\text{O}_x(001)$ (8 pages) 235102
Mary E. McGahay, Sanjay V. Khare, and Daniel Gall
- Relaxation operator for quasiparticles in a solid (17 pages) 235103
Maria Erukhimova, Yongrui Wang, Mikhail Tokman, and Alexey Belyanin
- Resonant inelastic x-ray scattering study of $\text{Ca}_3\text{Ru}_2\text{O}_7$ (10 pages) 235104
K. von Arx, F. Forte, M. Horio, V. Granata, Q. Wang, L. Das, Y. Sassa, R. Fittipaldi, C. G. Fatuzzo,
O. Ivashko, Y. Tseng, E. Paris, A. Vecchione, T. Schmitt, M. Cuoco, and J. Chang
- Dirac electrons in the square-lattice Hubbard model with a d -wave pairing field: The chiral Heisenberg
universality class revisited (11 pages) 235105
Yuichi Otsuka, Kazuhiro Seki, Sandro Sorella, and Seiji Yunoki
- Quantum many-body scars with chiral topological order in two dimensions and critical properties
in one dimension (6 pages) 235106
N. S. Srivatsa, Julia Wildeboer, Alexander Seidel, and Anne E. B. Nielsen
- Nonmonotonic crossover in electronic phase separated manganite superlattices driven by the superlattice
period (7 pages) 235107
Yinyan Zhu, Biying Ye, Qiang Li, Hao Liu, Tian Miao, Lijun Wu, Lei Li, Lingfang Lin, Yi Zhu, Zhe Zhang,
Qian Shi, Yulong Yang, Kai Du, Yu Bai, Yang Yu, Hangwen Guo, Wenbin Wang, Xiaoshan Xu,
Xiaoshan Wu, Zhicheng Zhong, Shuai Dong, Yimei Zhu, Elbio Dagotto, Lifeng Yin, and Jian Shen
- Enhanced charge-transfer character in the monoclinic phase of Mott insulator LaVO_3 thin films (11 pages) 235108
Anupam Jana, Rajamani Raghunathan, Ritu Rawat, R. J. Choudhary, and D. M. Phase
- Experimental and theoretical evidence of the temperature-induced wurtzite to rocksalt phase transition in GaN
under high pressure (9 pages) 235109
Bohdan Sadovyi, Małgorzata Wierzbowska, Svitlana Stelmakh, Silvia Boccato, Stanislaw Gierlotka,
Sylwester Porowski, and Izabella Grzegory
- ☞ Entanglement transitions as a probe of quasiparticles and quantum thermalization (22 pages) 235110
Tsung-Cheng Lu and Tarun Grover

