PHYSICAL REVIEW B **THIRD SERIES, VOLUME 91, NUMBER 15** **APRIL 2015-15(I)**

Erratum: Mechanism for self-formation of periodic grating structures on a metal surface by a femtosecond laser pulse [Phys. Rev. B **79**, 033409 (2009)] *(1 page)* . . . . . 159902(E)
Shuji Sakabe, Masaki Hashida, Shigeki Tokita, Shin Namba, and Kiminori Okamuro

Erratum: Light-matter interaction and lasing in semiconductor nanowires: A combined finite-difference time-domain and semiconductor Bloch equation approach [Phys. Rev. B **91**, 045203 (2015)] *(1 page)* . . . . . 159903(E)
Robert Buschlinger, Michael Lorke, and Ulf Peschel

Erratum: Modulatable optical radiators and metasurfaces based on quantum nanoantennas [Phys. Rev. B **91**, 035426 (2015)] *(1 page)* . . . . . 159904(E)
Pai-Yen Chen and Mohamed Farhat

Erratum: Effect of Bi bilayers on the topological states of Bi_2Se_3: A first-principles study [Phys. Rev. B **90**, 155124 (2014)] *(2 pages)* . . . . . 159905(E)
K. Govaerts, K. Park, C. De Beule, B. Partoens, and D. Lamoen

Erratum: Orbital-cooperative spin fluctuation and orbital-dependent transport in ruthenates [Phys. Rev. B **90**, 245103 (2014)] *(3 pages)* . . . . . 159906(E)
Naoya Arakawa

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 91, NUMBER 15** **APRIL 2015-15(I)**

Persistent current states in bilayer graphene *(6 pages)* 155423
Jeil Jung, Marco Polini, and A. H. MacDonald

Stoichiometry engineering of ternary oxide ultrathin films: $Ba_xTi_2O_3$ on Au(111) *(7 pages)* 155424
Chen Wu, Martin R. Castell, J. Goniakowski, and C. Noguera

Validity of the single-particle description and charge noise resilience for multielectron quantum dots *(10 pages)* 155425
Michiel A. Bakker, Sebastian Mehl, Tuukka Hiltunen, Ari Harju, and David P. DiVincenzo

Effect of magnetic anisotropy on spin-dependent thermoelectric effects in nanoscopic systems *(22 pages)* 155426
Maciej Misiorny and Józef Barnaś

Guided modes of a wire medium slab: Comparison of effective medium approaches with exact calculations *(10 pages)* 155427
J. Scott Brownless, Björn C. P. Sturmberg, Alexander Argyros, Boris T. Kuhlmey, and C. Martijn de Sterke

Van Hove singularities in doped twisted graphene bilayers studied by scanning tunneling spectroscopy *(7 pages)* 155428
V. Cherkez, G. Trambly de Laissardière, P. Mallet, and J.-Y. Veuillen

Ultrafast multiphoton pump-probe photoemission excitation pathways in rutile TiO_2(110) *(10 pages)* 155429
Adam Argondizzo, Xuefeng Cui, Cong Wang, Huijuan Sun, Honghui Shang, Jin Zhao, and Hrvoje Petek

Mechanism and dynamics of biexciton formation from a long-lived dark exciton in a CdTe quantum dot *(7 pages)* 155430
T. Smoleński, T. Kazimierczuk, M. Goryca, P. Wojnar, and P. Kossacki

Thermodynamic stability of transition metals on the Mg-terminated MgB_2 (0001) surface and their effects on hydrogen dissociation and diffusion *(11 pages)* 155431
Yongli Wang, Kyle Michel, Yongsheng Zhang, and C. Wolverton

Commensurism at electronically weakly interacting phthalocyanine/PTCDA heterointerfaces *(7 pages)* 155432
Marco Gruenewald, Christoph Sauer, Julia Peuker, Matthias Meissner, Falko Sojka, Achim Schöll, Friedrich Reinert, Roman Forker, and Torsten Fritz

Modification of the PTCDA-Ag bond by forming a heteromolecular bilayer film *(11 pages)* 155433
Benjamin Stadtmüller, Martin Willenbockel, Sonja Schröder, Christoph Kleimann, Eva M. Reinisch, Thomas Ules, Sergey Soubatch, Michael G. Ramsey, F. Stefan Tautz, and Christian Kumpf

Light-hole exciton spin relaxation in quantum dots *(8 pages)* 155434
E. Tsitsishvili

Broken SU(4) symmetry in a Kondo-correlated carbon nanotube *(19 pages)* 155435
Daniel R. Schmid, Sergey Smirnov, Magdalena Margańska, Alois Dirnaichner, Peter L. Stiller, Milena Grifoni, Andreas K. Hüttel, and Christoph Strunk

First-principles theory of field-effect doping in transition-metal dichalcogenides: Structural properties, electronic structure, Hall coefficient, and electrical conductivity *(19 pages)* 155436
Thomas Brumme, Matteo Calandra, and Francesco Mauri

ERRATA

Publisher's Note: Enhanced nonlinear optical response from individual silicon nanowires [Phys. Rev. B **91**, 121416(R) (2015)] *(1 page)* . . . . . 159901(E)
Peter R. Wiecha, Arnaud Arbouet, Houssem Kallel, Priyanka Periwal, Thierry Baron, and Vincent Paillard

(Continued)

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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 91, NUMBER 15** **APRIL 2015-15(I)**

Retrieval of material parameters for uniaxial metamaterials *(12 pages)* 155406
Georgia T. Papadakis, Pochi Yeh, and Harry A. Atwater

Spin-dependent Seebeck effect and spin caloritronics in magnetic graphene *(9 pages)* 155407
Babak Zare Rameshti and Ali G. Moghaddam

Low thermal conductivity of graphyne nanotubes from molecular dynamics study *(9 pages)* 155408
Ming Hu, Yuhang Jing, and Xiaoliang Zhang

Electrical manipulation of edge states in graphene and the effect on quantum Hall transport *(12 pages)* 155409
B. Ostahie, M. Niţă, and A. Aldea

Electronic properties of triangular and hexagonal MoS_2 quantum dots *(7 pages)* 155410
S. Pavlović and F. M. Peeters

Interface disorder probed at the atomic scale for graphene grown on the C face of SiC *(6 pages)* 155411
G. Nicotra, I. Deretzis, M. Scuderi, C. Spinella, P. Longo, R. Yakimova, F. Giannazzo, and A. La Magna

Topological-sector fluctuations and ergodicity breaking at the Berezinskii-Kosterlitz-Thouless transition *(10 pages)* 155412
Michael F. Faulkner, Steven T. Bramwell, and Peter C. W. Holdsworth

Unbinding transition in semi-infinite two-dimensional localized systems *(6 pages)* 155413
A. M. Somoza, P. Le Doussal, and M. Ortuño

Anisotropic atom displacement in Pd nanocubes resolved by molecular dynamics simulations supported by x-ray diffraction imaging *(8 pages)* 155414
P. Scardi, A. Leonardi, L. Gelisio, M. R. Suchomel, B. T. Sneed, M. K. Sheehan, and C.-K. Tsung

Adsorption effects on radial breathing mode of single-walled carbon nanotubes *(5 pages)* 155415
Shohei Chiashi, Kaname Kono, Daiki Matsumoto, Junpei Shitaba, Naoki Homma, Atsushi Beniya, Takahiro Yamamoto, and Yoshikazu Homma

Cloaking resonant scatterers and tuning electron flow in graphene *(10 pages)* 155416
Diego Oliver, Jose H. Garcia, Tatiana G. Rappoport, N. M. R. Peres, and Felipe A. Pinheiro

Controlling adsorption and spin configurations of Co atoms on Si(111)-(7×7) *(9 pages)* 155417
Qin Liu, Guohua Zhong, Fangfei Ming, Kedong Wang, and Xudong Xiao

C_{60} superstructure and carbide formation on the Al-terminated $Al_9Co_2(001)$ surface *(13 pages)* 155418
J. Ledieu, É. Gaudry, M.-C. de Weerd, P. Gille, R. D. Diehl, and V. Fournée

Theoretical study of the dynamics of atomic hydrogen adsorbed on graphene multilayers *(8 pages)* 155419
Mohammed Moaied, J. A. Moreno, M. J. Caturla, Félix Ynduráin, and J. J. Palacios

Effective-mass theory of collapsed carbon nanotubes *(16 pages)* 155420
Takeshi Nakanishi and Tsuneya Ando

Electronic and magnetic properties of Co_nMo_m nanoclusters from density functional calculations ($n + m = x$ and $2 \leqslant x \leqslant 6$ atoms) *(11 pages)* 155421
Simon Liebing, Claudia Martin, Kai Trepte, and Jens Kortus

Out-of-equilibrium electrons and the Hall conductance of a Floquet topological insulator *(11 pages)* 155422
Hossein Dehghani, Takashi Oka, and Aditi Mitra

(Continued)

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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 91, NUMBER 15** **APRIL 2015-15(I)**

Energy dispersion of tunnel spin polarization extracted from thermal and electrical spin currents *(10 pages)* 155305
Kun-Rok Jeon, Hidekazu Saito, Shinji Yuasa, and Ron Jansen

Kondo effect and the fate of bistability in molecular quantum dots with strong electron-phonon coupling *(6 pages)* 155306
Juliane Klatt, Lothar Mühlbacher, and Andreas Komnik

Spinor stochastic resonance *(7 pages)* 155307
H. Abbaspour, S. Trebaol, F. Morier-Genoud, M. T. Portella-Oberli, and B. Deveaud

Three-dimensional photonic crystals fabricated by simultaneous multidirectional etching *(10 pages)* 155308
Keisuke Kitano, Katsuyoshi Suzuki, Kenji Ishizaki, and Susumu Noda

Hybrid density matrix approach as a factorization scheme for many-body systems: Illustrated by a quantum dot–continuum system *(8 pages)* 155309
Sandra C. Kuhn and Marten Richter

Dynamics of entanglement of two electron spins interacting with nuclear spin baths in quantum dots *(23 pages)* 155310
Igor Bragar and Łukasz Cywiński

Anisotropic exciton Stark shift in black phosphorus *(7 pages)* 155311
A. Chaves, Tony Low, P. Avouris, D. Çakır, and F. M. Peeters

Transport properties of a two-dimensional electron gas dressed by light *(6 pages)* 155312
S. Morina, O. V. Kibis, A. A. Pervishko, and I. A. Shelykh

Two-dimensional spectroscopy: An approach to distinguish Förster and Dexter transfer processes in coupled nanostructures *(11 pages)* 155313
Judith F. Specht, Andreas Knorr, and Marten Richter

Surface physics, nanoscale physics, low-dimensional systems

Surface energetics of alkaline-earth metal oxides: Trends in stability and adsorption of small molecules *(10 pages)* 155401
Michal Bajdich, Jens K. Nørskov, and Aleksandra Vojvodic

Nuclear resonant scattering of synchrotron radiation by physisorbed Kr on TiO_2(110) surfaces in multilayer and monolayer regimes *(7 pages)* 155402
Akihiko Ikeda, Taizo Kawauchi, Tatsuo Okano, Katsuyuki Fukutani, Masuaki Matsumoto, Xiao Wei Zhang, and Yoshitaka Yoda

Probing interlayer interactions between graphene and metal substrates by supersonic rare-gas atom scattering *(8 pages)* 155403
H. Shichibe, Y. Satake, K. Watanabe, A. Kinjyo, A. Kunihara, Y. Yamada, M. Sasaki, W. W. Hayes, and J. R. Manson

High-sensitivity temperature sensing using an implanted single nitrogen-vacancy center array in diamond *(9 pages)* 155404
Junfeng Wang, Fupan Feng, Jian Zhang, Jihong Chen, Zhongcheng Zheng, Liping Guo, Wenlong Zhang, Xuerui Song, Guoping Guo, Lele Fan, Chongwen Zou, Liren Lou, Wei Zhu, and Guanzhong Wang

Magnetic order on a topological insulator surface with warping and proximity-induced superconductivity *(17 pages)* 155405
Daniel Mendler, Panagiotis Kotetes, and Gerd Schön

(Continued)

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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 91, NUMBER 15** **APRIL 2015-15(I)**

Spectral changes in layered f-electron systems induced by Kondo hole substitution in the boundary layer *(14 pages)* 155146
Sudeshna Sen, J. Moreno, M. Jarrell, and N. S. Vidhyadhiraja

Antiferromagnetic order in weakly coupled random spin chains *(7 pages)* 155147
J. Kokalj, J. Herbrych, A. Zheludev, and P. Prelovšek

Numerical operator method for the real-time dynamics of strongly correlated quantum impurity systems far from equilibrium *(10 pages)* 155148
Pei Wang, Guy Cohen, and Shaojun Xu

Slave rotor approach to dynamically screened Coulomb interactions in solids *(14 pages)* 155149
I. S. Krivenko and S. Biermann

Rokhsar-Kivelson models of bosonic symmetry-protected topological states *(10 pages)* 155150
Luiz H. Santos

Two distinct topological phases in the mixed-valence compound YbB_6 and its differences from SmB_6 *(6 pages)* 155151
Tay-Rong Chang, Tanmoy Das, Peng-Jen Chen, Madhab Neupane, Su-Yang Xu, M. Zahid Hasan, Hsin Lin, Horng-Tay Jeng, and A. Bansil

Semiconductors I: bulk

Electronic structure and phase stability of oxide semiconductors: Performance of dielectric-dependent hybrid functional DFT, benchmarked against GW band structure calculations and experiments *(15 pages)* 155201
Matteo Gerosa, Carlo Enrico Bottani, Lucia Caramella, Giovanni Onida, Cristiana Di Valentin, and Gianfranco Pacchioni

Excitonic correlation in the Mott crossover regime in Ge *(6 pages)* 155202
Fumiya Sekiguchi and Ryo Shimano

Generalized effective-medium model for the carrier mobility in amorphous organic semiconductors *(8 pages)* 155203
Vadim Rodin, Franz Symalla, Velimir Meded, Pascal Friederich, Denis Danilov, Angela Poschlad, Gabriele Nelles, Florian von Wrochem, and Wolfgang Wenzel

Semiconductors II: surfaces, interfaces, microstructures, and related topics

Evolution of inhomogeneously broadened spin-noise spectrum with ac drive *(8 pages)* 155301
Z. Yue and M. E. Raikh

Spin-dependent current through a quantum dot from spin-polarized nonequilibrium quantum Hall edge channels *(8 pages)* 155302
H. Kiyama, T. Nakajima, S. Teraoka, A. Oiwa, and S. Tarucha

Nonuniversality due to inhomogeneous stress in semiconductor surface nanopatterning by low-energy ion-beam irradiation *(12 pages)* 155303
A. Moreno-Barrado, M. Castro, R. Gago, L. Vázquez, J. Muñoz-García, A. Redondo-Cubero, B. Galiana, C. Ballesteros, and R. Cuerno

Exciton spin dynamics and photoluminescence polarization of CdSe/CdS dot-in-rod nanocrystals in high magnetic fields *(17 pages)* 155304
B. Siebers, L. Biadala, D. R. Yakovlev, A. V. Rodina, T. Aubert, Z. Hens, and M. Bayer

(Continued)

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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 91, NUMBER 15** **APRIL 2015-15(I)**

Hole-induced insulator-to-metal transition in $La_{1-x}Sr_xCrO_3$ epitaxial films *(9 pages)* 155129
K. H. L. Zhang, Y. Du, P. V. Sushko, M. E. Bowden, V. Shutthanandan, S. Sallis, L. F. J. Piper, and S. A. Chambers

Nonequilibrium polariton condensate in a magnetic field *(8 pages)* 155130
C. Sturm, D. Solnyshkov, O. Krebs, A. Lemaître, I. Sagnes, E. Galopin, A. Amo, G. Malpuech, and J. Bloch

Conductance of molecularly linked gold nanoparticle films across an insulator-to-metal transition: From hopping to strong Coulomb electron-electron interactions and correlations *(6 pages)* 155131
M. Tie and A.-A. Dhirani

Spontaneous formation of kagome network and Dirac half-semimetal on a triangular lattice *(10 pages)* 155132
Yutaka Akagi and Yukitoshi Motome

Optical properties of V_2O_3 in its whole phase diagram *(9 pages)* 155133
I. Lo Vecchio, L. Baldassarre, F. D'Apuzzo, O. Limaj, D. Nicoletti, A. Perucchi, L. Fan, P. Metcalf, M. Marsi, and S. Lupi

Two-dimensional topological order of kinetically constrained quantum particles *(5 pages)* 155134
Stefanos Kourtis and Claudio Castelnovo

Spin-orbit physics of $j = \frac{1}{2}$ Mott insulators on the triangular lattice *(11 pages)* 155135
Michael Becker, Maria Hermanns, Bela Bauer, Markus Garst, and Simon Trebst

Symmetry-protected topological order in magnetization plateau states of quantum spin chains *(12 pages)* 155136
Shintaro Takayoshi, Keisuke Totsuka, and Akihiro Tanaka

Charge-transfer model for the electronic structure of layered ruthenates *(11 pages)* 155137
Krzysztof Rościszewski and Andrzej M. Oleś

Atomically thin dilute magnetism in Co-doped phosphorene *(6 pages)* 155138
L. Seixas, A. Carvalho, and A. H. Castro Neto

Probing the Fermi surface of three-dimensional Dirac semimetal Cd_3As_2 through the de Haas–van Alphen technique *(6 pages)* 155139
A. Pariari, P. Dutta, and P. Mandal

Natural orbitals renormalization group approach to the two-impurity Kondo critical point *(9 pages)* 155140
Rong-Qiang He, Jianhui Dai, and Zhong-Yi Lu

Influence of wave-function updates in GW calculations on titanates *(7 pages)* 155141
Gijae Kang, Youngho Kang, and Seungwu Han

Direct probe of Fermi surface evolution across a pressure-induced quantum phase transition *(6 pages)* 155142
Yejun Feng, A. Palmer, Yishu Wang, D. M. Silevitch, and T. F. Rosenbaum

Kondo dynamics in one-dimensional doped ferromagnetic insulators *(18 pages)* 155143
Hudson Pimenta, Luiz N. Oliveira, and Rodrigo G. Pereira

Dynamical mean field theory for diatomic molecules and the exact double counting *(6 pages)* 155144
Juho Lee and Kristjan Haule

Universal logarithmic corrections to entanglement entropies in two dimensions with spontaneously broken continuous symmetries *(6 pages)* 155145
David J. Luitz, Xavier Plat, Fabien Alet, and Nicolas Laflorencie

(Continued)

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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 91, NUMBER 15** **APRIL 2015-15(I)**

Repulsive versus attractive Hubbard model: Transport properties and spin-lattice relaxation rate *(18 pages)* 155111
Rok Žitko, Žiga Osolin, and Peter Jeglič

Variational minimization of orbital-density-dependent functionals *(17 pages)* 155112
Giovanni Borghi, Cheol-Hwan Park, Ngoc Linh Nguyen, Andrea Ferretti, and Nicola Marzari

Evidence for ordered magnetic moments at oxygen sites in antiferromagnetic Sr_2IrO_4 and $Sr_3Ir_2O_7$ *(11 pages)* . . . 155113
M. Miyazaki, R. Kadono, M. Hiraishi, A. Koda, K. M. Kojima, K. Ohashi, T. Takayama, and H. Takagi

From Hubbard bands to spin-polaron excitations in the doped Mott material Na_xCoO_2 *(6 pages)* 155114
Aljoscha Wilhelm, Frank Lechermann, Hartmut Hafermann, Mikhail I. Katsnelson, and Alexander I. Lichtenstein

Strictly single-site DMRG algorithm with subspace expansion *(10 pages)* 155115
C. Hubig, I. P. McCulloch, U. Schollwöck, and F. A. Wolf

Single- or double-electron emission within the Keldysh nonequilibrium Green's function and Feshbach projection operator techniques *(20 pages)* 155116
Y. Pavlyukh, M. Schüler, and J. Berakdar

New material for probing spin-orbit coupling in iridates *(6 pages)* 155117
Brendan F. Phelan, Jason Krizan, Weiwei Xie, Quinn Gibson, and R. J. Cava

Correlation effects in the capacitance of a gated carbon nanotube *(9 pages)* 155118
Han Fu, B. I. Shklovskii, and Brian Skinner

Ground-state and spectral properties of an asymmetric Hubbard ladder *(14 pages)* 155119
Anas Abdelwahab, Eric Jeckelmann, and Martin Hohenadler

Z_2 topology in nonsymmorphic crystalline insulators: Möbius twist in surface states *(9 pages)* 155120
Ken Shiozaki, Masatoshi Sato, and Kiyonori Gomi

Generalized mutual information of quantum critical chains *(10 pages)* 155122
F. C. Alcaraz and M. A. Rajabpour

Eigenstate thermalization hypothesis and integrability in quantum spin chains *(7 pages)* 155123
Vincenzo Alba

Structural contributions to the pressure-tuned charge-density-wave to superconductor transition in $ZrTe_3$: Raman scattering studies *(6 pages)* 155124
S. L. Gleason, Y. Gim, T. Byrum, A. Kogar, P. Abbamonte, E. Fradkin, G. J. MacDougall, D. J. Van Harlingen, Xiangde Zhu, C. Petrovic, and S. L. Cooper

Spin-orbital interaction for face-sharing octahedra: Realization of a highly symmetric SU(4) model *(11 pages)* . . . 155125
K. I. Kugel, D. I. Khomskii, A. O. Sboychakov, and S. V. Streltsov

Scaling theory of the cuprate strange metals *(9 pages)* 155126
Sean A. Hartnoll and Andreas Karch

Topological classification of dynamical phase transitions *(5 pages)* 155127
Szabolcs Vajna and Balázs Dóra

Fragility of symmetry-protected topological order on a Hubbard ladder *(6 pages)* 155128
Sanjay Moudgalya and Frank Pollmann

(Continued)

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).

PHYSICAL REVIEW B™

For editorial and subscription correspondence, please see inside front cover
(ISSN: 1098-0121)

PERIODICALS
Postmaster send address changes to:

APS Subscription Services
P.O. Box 41
Annapolis Junction, MD 20701

THIRD SERIES, VOLUME 91, NUMBER 15 ***CONTENTS*** **APRIL 2015-15(I)**

ARTICLES

Electronic structure and strongly correlated systems

Mott transition in the triangular lattice Hubbard model: A dynamical cluster approximation study *(10 pages)* 155101
Hung T. Dang, Xiao Yan Xu, Kuang-Shing Chen, Zi Yang Meng, and Stefan Wessel

Eigenvalue-based method and form-factor determinant representations for integrable XXZ Richardson-Gaudin models *(12 pages)* 155102
Pieter W. Claeys, Stijn De Baerdemacker, Mario Van Raemdonck, and Dimitri Van Neck

Spin-triplet superconductivity in Sr_2RuO_4 due to orbital and spin fluctuations: Analyses by two-dimensional renormalization group theory and self-consistent vertex-correction method *(8 pages)* 155103
Masahisa Tsuchiizu, Youichi Yamakawa, Seiichiro Onari, Yusuke Ohno, and Hiroshi Kontani

Spin-orbit-induced orbital excitations in Sr_2RuO_4 and Ca_2RuO_4: A resonant inelastic x-ray scattering study *(5 pages)* 155104
C. G. Fatuzzo, M. Dantz, S. Fatale, P. Olalde-Velasco, N. E. Shaik, B. Dalla Piazza, S. Toth, J. Pelliciari, R. Fittipaldi, A. Vecchione, N. Kikugawa, J. S. Brooks, H. M. Rønnow, M. Grioni, Ch. Rüegg, T. Schmitt, and J. Chang

Chromium point defects in hexagonal $BaTiO_3$: A comparative study of first-principles calculations and experiments *(12 pages)* 155105
Sanjeev K. Nayak, Hans T. Langhammer, Waheed A. Adeagbo, Wolfram Hergert, Thomas Müller, and Rolf Böttcher

Emergence of the nematic electronic state in FeSe *(14 pages)* 155106
M. D. Watson, T. K. Kim, A. A. Haghighirad, N. R. Davies, A. McCollam, A. Narayanan, S. F. Blake, Y. L. Chen, S. Ghannadzadeh, A. J. Schofield, M. Hoesch, C. Meingast, T. Wolf, and A. I. Coldea

Spectral functions of strongly correlated extended systems via an exact quantum embedding *(6 pages)* 155107
George H. Booth and Garnet Kin-Lic Chan

Ultrafast probes of nonequilibrium hole spin relaxation in the ferromagnetic semiconductor GaMnAs *(7 pages)* 155108
Aaron Patz, Tianqi Li, Xinyu Liu, Jacek K. Furdyna, Ilias E. Perakis, and Jigang Wang

Exploring approximations to the *GW* self-energy ionic gradients *(9 pages)* 155109
C. Faber, P. Boulanger, C. Attaccalite, E. Cannuccia, I. Duchemin, T. Deutsch, and X. Blase

Russian doll spectrum in a non-Abelian string-net ladder *(6 pages)* 155110
Marc Daniel Schulz, Sébastien Dusuel, and Julien Vidal

Copyright 2015 by American Physical Society

(Continued)

1098-0121(20150415)91:15;1-W

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).