

Non-Hermitian Floquet topological phases with arbitrarily many real-quasienergy edge states (<i>12 pages</i>)	205417
Longwen Zhou and Jiangbin Gong	
Quantum Hall stripes in high-density GaAs/AlGaAs quantum wells (<i>4 pages</i>)	205418
X. Fu, Q. Shi, M. A. Zudov, Y. J. Chung, K. W. Baldwin, L. N. Pfeiffer, and K. W. West	
Structure and electronic properties of the $(\sqrt{3}\times\sqrt{3})R30^\circ$ SnAu ₂ /Au(111) surface alloy (<i>13 pages</i>)	205419
M. Maniraj, D. Jungkenn, W. Shi, S. Emmerich, L. Lyu, J. Kollamana, Z. Wei, B. Yan, M. Cinchetti, S. Mathias, B. Stadtmüller, and M. Aeschlimann	
Nonlinear optical response of doped monolayer and bilayer graphene: Length gauge tight-binding model (<i>16 pages</i>)	205420
F. Hipolito, Alireza Taghizadeh, and T. G. Pedersen	
Partial positive refraction in asymmetric Veselago lenses of uniaxially strained graphene (<i>10 pages</i>)	205421
Y. Betancur-Ocampo	
Direct prediction of corner state configurations from edge winding numbers in two- and three-dimensional chiral-symmetric lattice systems (<i>12 pages</i>)	205422
Linhu Li, Muhammad Umer, and Jiangbin Gong	
Charger-mediated energy transfer in exactly solvable models for quantum batteries (<i>11 pages</i>)	205423
Gian Marcello Andolina, Donato Farina, Andrea Mari, Vittorio Pellegrini, Vittorio Giovannetti, and Marco Polini	
Self-shaping of cavity-polariton systems created by resonant broadband excitation (<i>6 pages</i>)	205424
V. D. Kulakovskii, A. A. Demenev, A. S. Brichkin, and N. A. Gippius	
Single-layer antiferromagnetic semiconductor CoS ₂ with pentagonal structure (<i>6 pages</i>)	205425
Lei Liu, Immanuel Kankam, and Houlong L. Zhuang	
Microwave edge modes on a metasurface with glide symmetry (<i>6 pages</i>)	205426
Julia D. de Pineda, Alastair P. Hibbins, and J. Roy Sambles	
Screening cloud and non-Fermi-liquid scattering in topological Kondo devices (<i>8 pages</i>)	205427
A. Latief and B. Béri	
Phonon-induced linewidths of graphene electronic states (<i>7 pages</i>)	205428
Bo Hellsing, Thomas Frederiksen, Federico Mazzola, Thiagarajan Balasubramanian, and Justin W. Wells	
Lateral scattering potential of the PTCDA/Ag(111) interface state (<i>7 pages</i>)	205429
A. Sabitova, R. Temirov, and F. S. Tautz	
Radiative lifetime of localized excitons in transition-metal dichalcogenides (<i>18 pages</i>)	205430
Sabrine Ayari, Adlen Smiri, Aida Hichri, Sihem Jaziri, and Thierry Amand	

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 98, NUMBER 20

NOVEMBER 2018-15(II)

Signatures of long-range spin-spin interactions in an (In,Ga)As quantum dot ensemble (<i>16 pages</i>)	205308
Andreas Fischer, Eiko Evers, Steffen Varwig, Alex Greilich, Manfred Bayer, and Frithjof B. Anders	
Surface physics, nanoscale physics, low-dimensional systems	
Exchange interaction of magnetic impurities in a biased bilayer phosphorene nanoribbon (<i>8 pages</i>)	205401
Moslem Zare and Ebrahim Sadeghi	
Coulomb effects in the absorbance spectra of two-dimensional Dirac materials (<i>9 pages</i>)	205402
Leone Di Mauro Villari, Ian Galbraith, and Fabio Biancalana	
Four-Majorana qubit with charge readout: Dynamics and decoherence (<i>12 pages</i>)	205403
Tommy Li, William A. Coish, Michael Hell, Karsten Flensberg, and Martin Leijnse	
Magnetoelectric uniaxial metamaterials as wide-angle polarization-insensitive matching layers (<i>12 pages</i>)	205404
Yuchu He and George V. Eleftheriades	
Electronic structures and spectroscopic signatures of silicon-vacancy containing nanodiamonds (<i>11 pages</i>)	205405
Alessio Petrone, Ryan A. Beck, Joseph M. Kasper, Xiaosong Li, Yue Huang, Matthew Crane, and Peter Pauzauskie	
Topological quantum quench dynamics carrying arbitrary Hopf and second Chern numbers (<i>6 pages</i>)	205406
Motohiko Ezawa	
Optical absorption properties of few-layer phosphorene (<i>9 pages</i>)	205407
Zahra Torbatian and Reza Asgari	
Spin transport in a Rashba-coupled two-dimensional quantum ring: An analytical model (<i>11 pages</i>)	205408
Sukirti Gumber, Aranya B. Bhattacharjee, and Pradip Kumar Jha	
Vibrational electron energy loss spectroscopy in truncated dielectric slabs (<i>10 pages</i>)	205409
Andrea Konečná, Kartik Venkatraman, Katia March, Peter A. Crozier, Rainer Hillenbrand, Peter Rez, and Javier Aizpurua	
Effect of an incommensurate potential on nodal-link semimetals (<i>8 pages</i>)	205410
Yucheng Wang, Haiping Hu, and Shu Chen	
Platform for nodal topological superconductors in monolayer molybdenum dichalcogenides (<i>6 pages</i>)	205411
Lin Wang, Tomas Orn Rosdahl, and Doru Sticlet	
Bulk versus surface contributions to the Rashba spin splitting of Shockley surface states (<i>8 pages</i>)	205412
H. Ishida	
Transport in a thin topological insulator with potential and magnetic barriers (<i>16 pages</i>)	205413
Adithi Udupa, K. Sengupta, and Diptiman Sen	
Nanoscale quantum calorimetry with electronic temperature fluctuations (<i>10 pages</i>)	205414
F. Brange, P. Samuelsson, B. Karimi, and J. P. Pekola	
Electronic structure of graphene nanoribbons on hexagonal boron nitride (<i>10 pages</i>)	205415
Yohanes S. Gani, D. S. L. Abergel, and Enrico Rossi	
Accurate <i>ab initio</i> determination of ballistic electron emission spectroscopy: Application to Au/Ge (<i>8 pages</i>)	205416
A. Gerbi, C. González, R. Buzio, N. Manca, D. Marrè, L. D. Bell, D. G. Trabada, S. Di Matteo, P. L. de Andres, and F. Flores	

(Continued)

Hamiltonian theory for quantum Hall systems in a tilted magnetic field: Composite-fermion geometry and robustness of activation gaps (<i>12 pages</i>)	205150
Kang Yang, Mark Oliver Goerbig, and Benoît Douçot	
Electronic phases in twisted bilayer graphene at magic angles as a result of Van Hove singularities and interactions (<i>9 pages</i>)	205151
Yury Sherkunov and Joseph J. Betouras	
Voltage-induced metal-insulator transition in a one-dimensional charge density wave (<i>7 pages</i>)	205152
Giuliano Chiriacò and Andrew J. Millis	
Valence transition model of the pseudogap, charge order, and superconductivity in electron-doped and hole-doped copper oxides (<i>28 pages</i>)	205153
Sumit Mazumdar	
Semiconductors I: bulk	
Role of oxygen and chlorine impurities in β -In ₂ S ₃ : A first-principles study (<i>8 pages</i>)	205201
Elaheh Ghorbani and Karsten Albe	
Dominant electron-phonon scattering mechanisms in <i>n</i> -type PbTe from first principles (<i>12 pages</i>)	205202
Jiang Cao, José D. Querales-Flores, Aoife R. Murphy, Stephen Fahy, and Ivana Savić	
Mg-pair isoelectronic bound exciton identified by its isotopic fingerprint in ²⁸ Si (<i>5 pages</i>)	205203
R. J. S. Abraham, A. DeAbreu, K. J. Morse, V. B. Shuman, L. M. Portsel, A. N. Lodygin, Yu. A. Astrov, N. V. Abrosimov, S. G. Pavlov, H.-W. Hübers, S. Simmons, and M. L. W. Thewalt	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Vacuum-dressed cavity magnetotransport of a two-dimensional electron gas (<i>6 pages</i>)	205301
Nicola Bartolo and Cristiano Ciuti	
Toward flying qubit spectroscopy (<i>9 pages</i>)	205302
Benoît Rossignol, Thomas Kloss, Pacôme Armagnat, and Xavier Waintal	
Three-particle electron-hole complexes in two-dimensional electron systems (<i>9 pages</i>)	205303
V. A. Kuznetsov, L. V. Kulik, M. D. Velikanov, A. S. Zhuravlev, A. V. Gorbunov, S. Schmolt, and I. V. Kukushkin	
Single-beam resonant spin amplification of electrons interacting with nuclei in a GaAs/(Al,Ga)As quantum well (<i>6 pages</i>)	205304
M. Kotur, F. Saeed, R. W. Mocek, V. L. Korenev, I. A. Akimov, A. S. Bhatti, D. R. Yakovlev, D. Suter, and M. Bayer	
Electrically controlled crossover between 2π and 4π Josephson effects through topologically confined channels in silicene (<i>12 pages</i>)	205305
Daniel Frombach, Sunghun Park, Alexander Schroer, and Patrik Recher	
Electron and hole spin relaxation in InP-based self-assembled quantum dots emitting at telecom wavelengths (<i>7 pages</i>)	205306
A. V. Mikhailov, V. V. Belykh, D. R. Yakovlev, P. S. Grigoryev, J. P. Reithmaier, M. Benyoucef, and M. Bayer	
Effect of ion-implantation-induced defects and Mg dopants on the thermoelectric properties of ScN (<i>9 pages</i>)	205307
Nina Tureson, Marc Marteau, Thierry Cabioch, Ngo Van Nong, Jens Jensen, Jun Lu, Grzegorz Greczynski, Daniele Fournier, Niraj Singh, Ajay Soni, Laurent Belliard, Per Eklund, and Arnaud le Febvrier	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 98, NUMBER 20

NOVEMBER 2018-15(II)

Nodal points of Weyl semimetals survive the presence of moderate disorder (<i>17 pages</i>)	205134
Michael Buchhold, Sebastian Diehl, and Alexander Altland	
Origin of the deep band-gap state in $\text{TiO}_2(110)$: $dd\sigma$ bonds between Ti-Ti pairs (<i>8 pages</i>)	205135
Tingwei Chen, Ya-nan Hao, Fan Jin, Min Wei, Jin Feng, Ran Jia, Zhijun Yi, Michael Rohlfing, Chengbu Liu, and Yuchen Ma	
Quantum Zeno effect and the many-body entanglement transition (<i>9 pages</i>)	205136
Yaodong Li, Xiao Chen, and Matthew P. A. Fisher	
Spin-current density-functional theory for a correct treatment of spin-orbit interactions and its application to topological phase transitions (<i>17 pages</i>)	205137
Egor Trushin and Andreas Görling	
Orbital-dependent band renormalization in WTe_2 revealed by angle-resolved photoemission spectroscopy (<i>6 pages</i>)	205138
R. Matsumoto, T. Sugimoto, T. Mizokawa, N. L. Saini, M. Arita, R. Jha, R. Higashinaka, T. D. Matsuda, and Y. Aoki	
Berry curvature force and Lorentz force comparison in the magnetotransport of Weyl semimetals (<i>9 pages</i>)	205139
Muhammad Imran and Selman Hershfield	
Development of the fragment-based COHSEX method for large and complex molecular systems (<i>10 pages</i>)	205140
Takatoshi Fujita and Yoshifumi Noguchi	
Site-specific ^{13}C NMR study on the locally distorted triangular lattice of the organic conductor $\kappa\text{-(BEDT-TTF)}_2\text{Cu}_2(\text{CN})_3$ (<i>9 pages</i>)	205141
Y. Saito, T. Minamidate, A. Kawamoto, N. Matsunaga, and K. Nomura	
Orbital-dependent electron dynamics in Fe-pnictide superconductors (<i>8 pages</i>)	205142
Ganesh Adhikary, Barbara Ressel, Matija Stupar, Primož Rebernik Ribič, Jurij Urbančič, Giovanni De Nino, D. Krizmancic, A. Thamizhavel, and Kalobaran Maiti	
Higher-order moments, cumulants, and spectra of continuous quantum noise measurements (<i>23 pages</i>)	205143
Daniel Hägele and Fabian Schefczik	
Magnetic manifestation of discrete scaling symmetry in Dirac semimetals (<i>5 pages</i>)	205144
Mingyuan Sun	
Quench dynamics of quantum spin models with flat bands of excitations (<i>18 pages</i>)	205145
Raphaël Menu and Tommaso Roscilde	
Quantum anomalous Hall phase stabilized via realistic interactions on a kagome lattice (<i>5 pages</i>)	205146
Yafei Ren, T.-S. Zeng, W. Zhu, and D. N. Sheng	
Second-order photonic topological insulator with corner states (<i>6 pages</i>)	205147
Bi-Ye Xie, Hong-Fei Wang, Hai-Xiao Wang, Xue-Yi Zhu, Jian-Hua Jiang, Ming-Hui Lu, and Yan-Feng Chen	
Fermion-boson vertex within dynamical mean-field theory (<i>19 pages</i>)	205148
Erik G. C. P. van Loon, Friedrich Krien, Hartmut Hafermann, Alexander I. Lichtenstein, and Mikhail I. Katsnelson	
Nonlinear chiral transport in Dirac semimetals (<i>6 pages</i>)	205149
Alexander A. Zyuzin, Mihail Silaev, and Vladimir A. Zyuzin	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 98, NUMBER 20

NOVEMBER 2018-15(II)

Probing the role of Nd^{3+} ions in the weak multiferroic character of NdMn_2O_5 by optical spectroscopies (10 pages)	205119
S. Mansouri, S. Jandl, M. Balli, P. Fournier, B. Roberge, M. Orlita, I. A. Zobkalo, S. N. Barilo, and S. V. Shiryayev	
Nonadiabatic quantum molecular dynamics with detailed balance (9 pages)	205120
Jérôme Daligault and Dmitry Mozysky	
Theory of metal-insulator transitions in graphite under high magnetic field (28 pages)	205121
Zhiming Pan, Xiao-Tian Zhang, and Ryuichi Shindou	
Influence of electron-phonon coupling on the low-temperature phases of metallic single-wall carbon nanotubes (13 pages)	205122
Junichi Okamoto, Ludwig Mathey, and Wen-Min Huang	
Screening of long-range Coulomb interaction in graphene nanoribbons: Armchair versus zigzag edges (9 pages)	205123
H. Hadipour, E. Şaşıoğlu, F. Bagherpour, C. Friedrich, S. Blügel, and I. Mertig	
Nonlinear sigma model approach to many-body quantum chaos: Regularized and unregularized out-of-time-ordered correlators (21 pages)	205124
Yunxiang Liao and Victor Galitski	
Large anomalous Nernst coefficient in an oxide skyrmion crystal Chern insulator (7 pages)	205125
Yo Pierre Mizuta, Hikaru Sawahata, and Fumiyuki Ishii	
Pressure-induced charge density wave phase in $\text{Ag}_{2-\delta}\text{Te}$ (8 pages)	205126
Yongsheng Zhao, Wenge Yang, Harold S. Schnyders, Anke Husmann, Ganghua Zhang, Yang Ren, David L. Price, Ho-Kwang Mao, and Marie-Louise Saboungi	
Efficient representation of long-range interactions in tensor network algorithms (9 pages)	205127
Matthew J. O'Rourke, Zhendong Li, and Garnet Kin-Lic Chan	
Spin-orbit coupling and correlations in three-orbital systems (14 pages)	205128
Robert Triebl, Gernot J. Krabberger, Jernej Mravlje, and Markus Aichhorn	
Connecting higher-order topological insulators to lower-dimensional topological insulators (7 pages)	205129
Akishi Matsugatani and Haruki Watanabe	
Ferromagnetically correlated clusters in semimetallic Ru_2NbAl Heusler alloy and its thermoelectric properties (11 pages)	205130
Sanchayita Mondal, Chandan Mazumdar, R. Ranganathan, Eric Alleno, P. C. Sreeparvathy, V. Kanchana, and G. Vaitheeswaran	
Spectroscopic signature of trimer Mott insulator and charge disproportionation in BaIrO_3 (6 pages)	205131
R. Okazaki, S. Ito, K. Tanabe, H. Taniguchi, Y. Ikemoto, T. Moriwaki, and I. Terasaki	
Stripe and superconducting order competing in the Hubbard model on a square lattice studied by a combined variational Monte Carlo and tensor network method (11 pages)	205132
Andrew S. Darmawan, Yusuke Nomura, Youhei Yamaji, and Masatoshi Imada	
Emergence of non-Fermi-liquid type Weyl metals driven by doped magnetic impurities in spin-orbit coupled semiconductors (23 pages)	205133
Kyoung-Min Kim, Jinsu Kim, Soo-Whan Kim, Myung-Hwa Jung, and Ki-Seok Kim	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 98, NUMBER 20

NOVEMBER 2018-15(II)

Maximum quantum entropy method (7 pages)	205102
Jae-Hoon Sim and Myung Joon Han	
Strain-induced superconducting pair density wave states in graphene (6 pages)	205103
Feng Xu, Po-Hao Chou, Chung-Hou Chung, Ting-Kuo Lee, and Chung-Yu Mou	
Bond versus charge disproportionation in the bismuth perovskites (4 pages)	205104
Arash Khazraie, Kateryna Foyevtsova, Ilya Elfimov, and George A. Sawatzky	
Inelastic neutron scattering study on the electronic transition in $(\text{Pr}_{1-y}\text{Y}_y)_{1-x}\text{Ca}_x\text{CoO}_3$ single crystals (7 pages)	205105
Taketo Moyoshi, Kazuya Kamazawa, Masaaki Matsuda, and Masatoshi Sato	
Extremely correlated Fermi liquid of the t - J model in two dimensions (20 pages)	205106
Peizhi Mai and B. Sriram Shastry	
☞ Fully gapped s -wave superconductivity enhanced by magnetic criticality in heavy-fermion systems (14 pages) . . .	205107
Rina Tazai and Hiroshi Kontani	
Crystal-field states of UO_2 probed by directional dependence of nonresonant inelastic x-ray scattering (7 pages)	205108
M. Sundermann, G. van der Laan, A. Severing, L. Simonelli, G. H. Lander, M. W. Haverkort, and R. Caciuffo	
Photoinduced tunable anomalous Hall and Nernst effects in tilted Weyl semimetals using Floquet theory (6 pages)	205109
Anirudha Menon, Debashree Chowdhury, and Banasri Basu	
Chiral spin order in some purported Kitaev spin-liquid compounds (6 pages)	205110
K. A. Modic, B. J. Ramshaw, A. Shekhter, and C. M. Varma	
Revealing the pseudogap in $\text{Sr}_3(\text{Ru}_{0.985}\text{Fe}_{0.015})_2\text{O}_7$ by optical spectroscopy (7 pages)	205111
W. J. Ban, B. Xu, W. H. Li, Y. Wang, J. J. Ge, P. G. Li, R. Yang, Y. M. Dai, Z. Q. Mao, and H. Xiao	
Quantization of the Hall conductivity in the Harper-Hofstadter model (13 pages)	205112
Matteo M. Wauters and Giuseppe E. Santoro	
Breakdown of Fermi liquid theory in topological multi-Weyl semimetals (27 pages)	205113
Jing-Rong Wang, Guo-Zhu Liu, and Chang-Jin Zhang	
Variational cluster approach to thermodynamic properties of interacting fermions at finite temperatures: A case study of the two-dimensional single-band Hubbard model at half filling (37 pages)	205114
Kazuhiro Seki, Tomonori Shirakawa, and Seiji Yunoki	
Realization of a magneto-optical near-zero index medium by an unpaired Dirac point (7 pages)	205115
Xin Zhou, Daniel Leykam, Udvas Chattopadhyay, A. B. Khanikaev, and Y. D. Chong	
Topology in the Sierpiński-Hofstadter problem (8 pages)	205116
Marta Brzezińska, Ashley M. Cook, and Titus Neupert	
$\text{SU}(3)$ trimer resonating-valence-bond state on the square lattice (6 pages)	205117
Xiao-Yu Dong, Ji-Yao Chen, and Hong-Hao Tu	
Quantum field theory for the chiral clock transition in one spatial dimension (28 pages)	205118
Seth Whitsitt, Rhine Samajdar, and Subir Sachdev	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 98, NUMBER 20

NOVEMBER 2018-15(II)

Non-Fermi-liquid fixed points and anomalous Landau damping in a quantum critical metal (<i>5 pages</i>)	201113(R)
Matthew J. Trott and Chris A. Hooley	
☞ An anomalous higher-order topological insulator (<i>6 pages</i>)	201114(R)
S. Franca, J. van den Brink, and I. C. Fulga	
Inverted orbital polarization in strained correlated oxide films (<i>6 pages</i>)	201115(R)
Paul C. Rogge, Robert J. Green, Padraic Shafer, Gilberto Fabbri, Andi M. Barbour, Benjamin M. Leffer, Elke Arenholz, Mark P. M. Dean, and Steven J. May	
Dirac semimetal in type-IV magnetic space groups (<i>5 pages</i>)	201116(R)
Guiyuan Hua, Simin Nie, Zhida Song, Rui Yu, Gang Xu, and Kailun Yao	
Semiconductors I: bulk	
Magnetotransport phenomena in <i>p</i> -doped diamond from first principles (<i>5 pages</i>)	201201(R)
Francesco Macheda and Nicola Bonini	
Surface physics, nanoscale physics, low-dimensional systems	
Gate-tunable infrared plasmons in electron-doped single-layer antimony (<i>6 pages</i>)	201401(R)
D. A. Prishchenko, V. G. Mazurenko, M. I. Katsnelson, and A. N. Rudenko	
Higher-order topological electric circuits and topological corner resonance on the breathing kagome and pyrochlore lattices (<i>5 pages</i>)	201402(R)
Motohiko Ezawa	
Energy-level alignment of a single molecule on ultrathin insulating film (<i>6 pages</i>)	201403(R)
Miyabi Imai-Imada, Hiroshi Imada, Kuniyuki Miwa, Jaehoon Jung, Tomoko K. Shimizu, Maki Kawai, and Yousoo Kim	
Robust helical edge transport in quantum spin Hall quantum wells (<i>5 pages</i>)	201404(R)
Rafal Skolasinski, Dmitry I. Pikulin, Jason Alicea, and Michael Wimmer	
☞ Photoinduced electric currents in Bose-Einstein condensates (<i>5 pages</i>)	201405(R)
V. M. Kovalev and I. G. Savenko	
Interlayer interactions and the Fermi energy of bilayer composite-fermion metals (<i>5 pages</i>)	201406(R)
J. P. Eisenstein, L. N. Pfeiffer, and K. W. West	
Electrically tunable valleytronics in quantum anomalous Hall insulating transition metal trihalides (<i>6 pages</i>)	201407(R)
Yang Li, Yizhou Liu, Chong Wang, Jianfeng Wang, Yong Xu, and Wenhui Duan	
Measurement of the Casimir force in a gas and in a liquid (<i>5 pages</i>)	201408(R)
Anne Le Cunuder, Artyom Petrosyan, George Palasantzas, Vitaly Svetovoy, and Sergio Ciliberto	

ARTICLES

Electronic structure and strongly correlated systems

First-principles calculation of Coulomb interaction parameters for lanthanides: Role of self-consistence and screening processes (<i>17 pages</i>)	205101
Jean-Baptiste Morée and Bernard Amadon	

(Continued)

RAPID COMMUNICATIONS

Electronic structure and strongly correlated systems

- Three-body interactions in generic fractional quantum Hall systems and impact of Galilean invariance breaking (5 pages) 201101(R)
Bo Yang
- Unidirectional zero sonic reflection in passive $\mathcal{PT}$ -symmetric Willis media (5 pages) 201102(R)
Aurélien Merkel, Vicent Romero-García, Jean-Philippe Groby, Jensen Li, and Johan Christensen
- Exciton Peierls mechanism and universal many-body gaps in carbon nanotubes (5 pages) 201103(R)
Maria Hellgren, Jacopo Baima, and Anissa Acheche
- Mirror protected multiple nodal line semimetals and material realization (6 pages) 201104(R)
Da-Shuai Ma, Jianhui Zhou, Botao Fu, Zhi-Ming Yu, Cheng-Cheng Liu, and Yugui Yao
- Covalency-driven collapse of strong spin-orbit coupling in face-sharing iridium octahedra (5 pages) 201105(R)
Mai Ye, Heung-Sik Kim, Jae-Wook Kim, Choong-Jae Won, Kristjan Haule, David Vanderbilt, Sang-Wook Cheong, and G. Blumberg
- Realization of the anisotropic compass model on the diamond lattice of Cu^{2+} in CuAl_2O_4 (6 pages) 201106(R)
S. A. Nikolaev, I. V. Solov'yev, A. N. Ignatenko, V. Yu. Irkhin, and S. V. Streltsov
- Anomalous Nernst effect and field-induced Lifshitz transition in the Weyl semimetals TaP and TaAs (6 pages) ... 201107(R)
F. Caglieris, C. Wuttke, S. Sykora, V. Süß, C. Shekhar, C. Felser, B. Büchner, and C. Hess
- ☞ Solution of the sign problem for the half-filled Hubbard-Holstein model (5 pages) 201108(R)
Seher Karakuzu, Kazuhiro Seki, and Sandro Sorella
- ☞ Nontopological parafermions in a one-dimensional fermionic model with even multiplet pairing (6 pages) 201109(R)
Leonardo Mazza, Fernando Iemini, Marcello Dalmonte, and Christophe Mora
- ☞ $\mathbb{Z}_4$ parafermions in one-dimensional fermionic lattices (6 pages) 201110(R)
Alessio Calzona, Tobias Meng, Maura Sassetti, and Thomas L. Schmidt
- Composite Weyl semimetal as a parent state for three-dimensional topologically ordered phases (5 pages) 201111(R)
Eran Sagi, Ady Stern, and David F. Mross
- Pseudo Dirac nodal sphere semimetal (6 pages) 201112(R)
Jianfeng Wang, Yizhou Liu, Kyung-Hwan Jin, Xuelei Sui, Lizhi Zhang, Wenhui Duan, Feng Liu, and Bing Huang

