

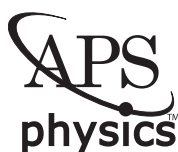
RAPID COMMUNICATIONS

Structure, structural phase transitions, mechanical properties, defects

- Thermodynamic stability and unusual strength of ultra-incompressible rhenium nitrides (*4 pages*) 060101(R)
R. F. Zhang, Z. J. Lin, Ho-Kwang Mao, and Yusheng Zhao

Magnetism

- Stochastic and complex depinning dynamics of magnetic domain walls (*4 pages*) 060401(R)
Joel Briones, François Montaigne, Michel Hehn, Daniel Lacour, Jeffrey R. Childress, and Matthew J. Carey
- Dielectric properties and magnetostriction of the collinear multiferroic spinel CdV_2O_4 (*4 pages*) 060402(R)
G. Giovannetti, A. Stroppa, S. Picozzi, D. Baldomir, V. Pardo, S. Blanco-Canosa, F. Rivadulla, S. Jodlauk, D. Niermann, J. Rohrkamp, T. Lorenz, S. Streltsov, D. I. Khomskii, and J. Hemberger
- Correlation between the mobility of domain wall and polarization flop direction in a slanted magnetic field in the helimagnetic ferroelectrics $\text{Tb}_{1-x}\text{Dy}_x\text{MnO}_3$ (*4 pages*) 060403(R)
N. Abe, K. Taniguchi, H. Sagayama, H. Umetsu, and T. Arima
- ☞ Low-energy coherent Stoner-like excitations in CaFe_2As_2 (*4 pages*) 060404(R)
Liqin Ke, Mark van Schilfhaarde, Jiji Pulikkotil, Takao Kotani, and Vladimir Antropov
- Strong magnetoelastic effect on the magnetoelectric phenomena of TbMn_2O_5 (*4 pages*) 060405(R)
Yoon Seok Oh, Byung-Gu Jeon, S. Y. Haam, S. Park, V. F. Correa, A. H. Lacerda, S.-W. Cheong, Gun Sang Jeon, and Kee Hoon Kim
- Control of spin-wave emission from spin-torque nano-oscillators by microwave pumping (*4 pages*) 060406(R)
Vladislav E. Demidov, Sergei Urazhdin, Vasyl Tiberkevich, Andrei Slavin, and Sergej O. Demokritov
- Quantum criticality in the $\text{SO}(5)$ bilinear-biquadratic Heisenberg chain (*4 pages*) 060407(R)
F. Alet, S. Capponi, H. Nonne, P. Lecheminant, and I. P. McCulloch
- Kondo liquid emergence and relocalization in the approach to antiferromagnetic ordering in CePt_2In_7 (*4 pages*) 060408(R)
N. apRoberts-Warren, A. P. Dioguardi, A. C. Shockley, C. H. Lin, J. Crocker, P. Klavins, D. Pines, Y.-F. Yang, and N. J. Curro
- Field-induced gap in a quantum spin- $\frac{1}{2}$ chain in a strong magnetic field (*4 pages*) 060409(R)
S. A. Zvyagin, E. Čížmár, M. Ozerov, J. Wosnitzer, R. Feyerherm, S. R. Manmana, and F. Mila



CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 83, NUMBER 6

FEBRUARY 2011-1(II)

Breakdown of Barkhausen critical-scaling behavior with increasing domain-wall pinning in ferromagnetic films (<i>4 pages</i>)	060410(R)
Hun-Sung Lee, Kwang-Su Ryu, Kun-Rok Jeon, Stuart S. P. Parkin, and Sung-Chul Shin	
Itinerant ferromagnetic phase of the Hubbard model (<i>4 pages</i>)	060411(R)
Giuseppe Carleo, Saverio Moroni, Federico Becca, and Stefano Baroni	
High-pressure study of the phase transition in the itinerant ferromagnet CoS ₂ (<i>4 pages</i>)	060412(R)
V. A. Sidorov, V. N. Krasnorussky, A. E. Petrova, A. N. Utyuzh, W. M. Yuhasz, T. A. Lograsso, J. D. Thompson, and S. M. Stishov	
Anomalous magnetic anisotropy of the topmost surface layer of Ni(110) (<i>4 pages</i>)	060413(R)
Marco Busch, Jens Lienemann, Michael Potthoff, and Helmut Winter	
Connecting distant ends of one-dimensional critical systems by a sine-square deformation (<i>4 pages</i>)	060414(R)
Toshiya Hikihara and Tomotoshi Nishino	
Chirality control via double vortices in asymmetric Co dots (<i>4 pages</i>)	060415(R)
Randy K. Dumas, Dustin A. Gilbert, Nasim Eibagi, and Kai Liu	
Superfluidity and superconductivity	
☞ Theory of magnetism and triplet superconductivity in LiFeAs (<i>4 pages</i>)	060501(R)
P. M. R. Brydon, Maria Daghofer, Carsten Timm, and Jeroen van den Brink	
Anisotropic upper critical field and possible Fulde-Ferrel-Larkin-Ovchinnikov state in the stoichiometric pnictide superconductor LiFeAs (<i>4 pages</i>)	060502(R)
K. Cho, H. Kim, M. A. Tanatar, Y. J. Song, Y. S. Kwon, W. A. Coniglio, C. C. Agosta, A. Gurevich, and R. Prozorov	
Macroscopic quantum tunneling in multigap superconducting Josephson junctions: Enhancement of escape rate via quantum fluctuations of the Josephson-Leggett mode (<i>4 pages</i>)	060503(R)
Yukihiro Ota, Masahiko Machida, and Tomio Koyama	
Self-consistent superconducting proximity effect at the quantum spin Hall edge (<i>4 pages</i>)	060504(R)
Annica M. Black-Schaffer	
☞ Abrupt recovery of Fermi-liquid transport following the collapse of the <i>c</i> axis in CaFe ₂ (As _{1-x} P _x) ₂ single crystals (<i>4 pages</i>)	060505(R)
S. Kasahara, T. Shibauchi, K. Hashimoto, Y. Nakai, H. Ikeda, T. Terashima, and Y. Matsuda	
Hall coefficient in the ground state of stripe-ordered La _{2-x} Ba _x CuO ₄ single crystals (<i>4 pages</i>)	060506(R)
Tadashi Adachi, Nobuyoshi Kitajima, and Yoichi Koike	
Collective modes in multiband superfluids and superconductors: Multiple dynamical classes (<i>4 pages</i>)	060507(R)
Yukihiro Ota, Masahiko Machida, Tomio Koyama, and Hideo Aoki	
Spin-sensitive long-range proximity effect in ferromagnet/spin-triplet-superconductor bilayers (<i>4 pages</i>)	060508(R)
Gaetano Annunziata, Mario Cuoco, Canio Noce, Asle Sudbø, and Jacob Linder	
☞ Competing magnetic ground states in nonsuperconducting Ba(Fe _{1-x} Cr _x) ₂ As ₂ as seen via neutron diffraction (<i>4 pages</i>)	060509(R)
K. Marty, A. D. Christianson, C. H. Wang, M. Matsuda, H. Cao, L. H. VanBebber, J. L. Zarestky, D. J. Singh, A. S. Sefat, and M. D. Lumsden	

(Continued)

 Evidence of multiple nodeless energy gaps in superconducting $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ single crystals from scanning tunneling spectroscopy (4 pages)	060510(R)
Lei Shan, Yong-Lei Wang, Jing Gong, Bing Shen, Yan Huang, Huan Yang, Cong Ren, and Hai-Hu Wen	
Anomalous enhancement of the superconducting transition temperature of electron-doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$ and $\text{Pr}_{2-x}\text{Ce}_x\text{CuO}_4$ cuprate heterostructures (4 pages)	060511(R)
K. Jin, P. Bach, X. H. Zhang, U. Grupel, E. Zohar, I. Diamant, Y. Dagan, S. Smadici, P. Abbamonte, and R. L. Greene	
Superconductivity at 32 K in single-crystalline $\text{Rb}_x\text{Fe}_{2-y}\text{Se}_2$ (4 pages)	060512(R)
A. F. Wang, J. J. Ying, Y. J. Yan, R. H. Liu, X. G. Luo, Z. Y. Li, X. F. Wang, M. Zhang, G. J. Ye, P. Cheng, Z. J. Xiang, and X. H. Chen	

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

Misfit strain accommodation in epitaxial ABO_3 perovskites: Lattice rotations and lattice modulations (10 pages)	064101
A. Vailionis, H. Boschker, W. Siemons, E. P. Houwman, D. H. A. Blank, G. Rijnders, and G. Koster	
 Symmetry of ferroelectric phase of $\text{SrTi}^{18}\text{O}_3$ determined by <i>ab initio</i> calculations (5 pages)	064102
M. Bartkowiak, G. J. Kearley, M. Yethiraj, and A. M. Mulders	
Twins and their boundaries during homoepitaxy on Ir(111) (10 pages)	064103
Sebastian Bleikamp, Johann Coraux, Odile Robach, Gilles Renaud, and Thomas Michely	
Twinning and dislocation pileups in heavily implanted LiNbO_3 (8 pages)	064104
Avishai Ofan, Ophir Gaathon, Lihua Zhang, Kenneth Evans-Lutterodt, Sasha Bakhru, Hassaram Bakhru, Yimei Zhu, David Welch, and Richard M. Osgood Jr.	
First-principles study of phase stability of Gd-doped EuO and EuS (14 pages)	064105
J. M. An, S. V. Barabash, V. Ozolins, M. van Schilfgaarde, and K. D. Belashchenko	
Shear response of $\Sigma 3\{112\}$ twin boundaries in face-centered-cubic metals (8 pages)	064106
J. Wang, A. Misra, and J. P. Hirth	
Experimental charge density of LiBD_4 from maximum entropy method (9 pages)	064107
F. Buchter, Z. Lodziana, A. Remhof, Ph. Mauron, O. Friedrichs, A. Borgschulte, A. Züttel, Y. Filinchuk, and L. Palatinus	
Short- and medium-range structure of multiferroic $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$ studied using neutron total scattering analysis (5 pages)	064108
I.-K. Jeong, J. S. Ahn, B. G. Kim, S. Yoon, Satendra Pal Singh, and Dhananjai Pandey	
Diffraction study of pressure-amorphized ZrW_2O_8 using <i>in situ</i> and recovered samples (6 pages)	064109
David A. Keen, Andrew L. Goodwin, Matthew G. Tucker, Joseph A. Hriljac, Thomas D. Bennett, Martin T. Dove, Annette K. Kleppe, Andrew P. Jephcoat, and Michela Brunelli	
First-principles study of the interplay between grain boundaries and domain walls in ferroelectric PbTiO_3 (8 pages)	064110
Pavel Marton, Takahiro Shimada, Takayuki Kitamura, and Christian Elsässer	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 83, NUMBER 6

FEBRUARY 2011-1(II)

High-pressure study of ScVO_4 by Raman scattering and <i>ab initio</i> calculations (10 pages)	064111
V. Panchal, F. J. Manjón, D. Errandonea, P. Rodriguez-Hernandez, J. López-Solano, A. Muñoz, S. N. Achary, and A. K. Tyagi	
First-principles prediction of high-capacity, thermodynamically reversible hydrogen storage reactions based on $(\text{NH}_4)_2\text{B}_{12}\text{H}_{12}$ (4 pages)	064112
Wenhao Q. Sun, C. Wolverton, A. R. Akbarzadeh, and V. Ozolins	
Marginal stability analysis of the phase field crystal model in one spatial dimension (8 pages)	064113
P. K. Galenko and K. R. Elder	
Ordered organic-organic multilayer growth (7 pages)	064114
Richard R. Lunt, Kai Sun, Michael Kröger, J. B. Benziger, and Stephen R. Forrest	
Relationship between bond stiffness and electrical energy storage capacity in oxides: Density functional calculations for $h\text{-La}_2\text{O}_3$, MgO , and BeO (7 pages)	064115
Bo Xu, Valentino R. Cooper, David J. Singh, and Yuan Ping Feng	
Annealing kinetics of latent particle tracks in Durango apatite (5 pages)	064116
B. Afra, M. Lang, M. D. Rodriguez, J. Zhang, R. Giulian, N. Kirby, R. C. Ewing, C. Trautmann, M. Toulemonde, and P. Kluth	
Inhomogeneous, disordered, and partially ordered systems	
Thermodynamic approach to glass-forming ability of water-quenched Pd-P-based and $\text{Pt}_{60}\text{Ni}_{15}\text{P}_{25}$ bulk metallic glasses (9 pages)	064201
O. Haruyama, T. Watanabe, K. Yuki, M. Horiuchi, H. Kato, and N. Nishiyama	
Exchange between interstitial oxygen molecules and network oxygen atoms in amorphous SiO_2 studied by ^{18}O isotope labeling and infrared photoluminescence spectroscopy (12 pages)	064202
Koichi Kajihara, Taisuke Miura, Hayato Kamioka, Masahiro Hirano, Linards Skuja, and Hideo Hosono	
Transport properties of nonhomogeneous segregated composites (9 pages)	064203
B. Nigro, G. Ambrosetti, C. Grimaldi, T. Maeder, and P. Ryser	
Dynamics, dynamical systems, lattice effects	
Material loss influence on the complex band structure and group velocity in phononic crystals (6 pages)	064301
Rayisa P. Moiseyenko and Vincent Laude	
Long-time behavior of nuclear spin decays in various lattices (11 pages)	064302
E. G. Sorte, B. V. Fine, and B. Saam	
Interfacial thermal transport in atomic junctions (9 pages)	064303
Lifa Zhang, Pawel Keblinski, Jian-Sheng Wang, and Baowen Li	
Ultrafast dynamics of soft phonon modes in perovskite dielectrics observed by coherent phonon spectroscopy (9 pages)	064304
T. Kohmoto, M. Masui, M. Abe, T. Moriyasu, and K. Tanaka	

(Continued)

Magnetism

High-pressure synthesis and physical properties of perovskite and post-perovskite $\text{Ca}_{1-x}\text{Sr}_x\text{IrO}_3$ (15 pages)	064401
J.-G. Cheng, J.-S. Zhou, J. B. Goodenough, Y. Sui, Y. Ren, and M. R. Suchomel	
Magnetic ordering in tetragonal FeS: Evidence for strong itinerant spin fluctuations (7 pages)	064402
Kideok D. Kwon, Keith Refson, Sharon Bone, Ruimin Qiao, Wan-li Yang, Zhi Liu, and Garrison Sposito	
Magnetic order in geometrically frustrated $\text{Gd}_2(\text{Ti}_{1-x}\text{Zr}_x)_2\text{O}_7$ ($x = 0.02$ and 0.15) single crystals (7 pages)	064403
Da-qian Liao, M. R. Lees, D. W. Baker, D. McK. Paul, and G. Balakrishnan	
Structural and magnetic phase transitions of the orthovanadates RVO_3 ($R = \text{Dy}, \text{Ho}, \text{Er}$) as seen via neutron diffraction (10 pages)	064404
M. Reehuis, C. Ulrich, K. Prokeš, S. Mat'áš, J. Fujioka, S. Miyasaka, Y. Tokura, and B. Keimer	
Field and temperature dependence of NMR relaxation rate in the magnetic quadrupolar liquid phase of spin- $\frac{1}{2}$ frustrated ferromagnetic chains (10 pages)	064405
Masahiro Sato, Toshiya Hikihara, and Tsutomu Momoi	
Effect of a dc bias magnetic field on the magnetization relaxation of antiferromagnetic nanoparticles (8 pages)	064406
Bachir Ouari and Yuri P. Kalmykov	
☞ Sensitivity of the magnetic properties of the ZnCr_2O_4 and MgCr_2O_4 spinels to nonstoichiometry (6 pages)	064407
S. E. Dutton, Q. Huang, O. Tchernyshyov, C. L. Broholm, and R. J. Cava	
Single domain to multidomain transition due to in-plane magnetic anisotropy in phase-separated $(\text{La}_{0.4}\text{Pr}_{0.6})_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ thin films (8 pages)	064408
Hyoungjeen Jeon and Amlan Biswas	
☞ Anisotropic x-ray magnetic linear dichroism and spectromicroscopy of interfacial $\text{Co/NiO}(001)$ (9 pages)	064409
G. van der Laan, N. D. Telling, A. Potenza, S. S. Dhesi, and E. Arenholz	
Hubbard III approach with hopping interaction and intersite kinetic correlations (13 pages)	064410
Grzegorz Górski and Jerzy Mizia	
Effects of disorder on magnetic vortex gyration (8 pages)	064411
Hongki Min, R. D. McMichael, Jacques Miltat, and M. D. Stiles	
Electronic structure of fully epitaxial Co_2TiSn thin films (10 pages)	064412
Markus Meinert, Jan Schmalhorst, Hendrik Wulfmeier, Günter Reiss, Elke Arenholz, Tanja Graf, and Claudia Felser	
Multicolored quantum dimer models, resonating valence-bond states, color visons, and the triangular-lattice t_{2g} spin-orbital system (14 pages)	064413
B. Normand	
☞ Ferromagnetic state of $\text{La}_{1-x}\text{Ba}_x\text{CoO}_3$ under applied pressure: Factors controlling the sign reversal of pressure effect in cobaltites (8 pages)	064414
I. Fita, R. Szymczak, R. Puzniak, A. Wisniewski, I. O. Troyanchuk, D. V. Karpinsky, V. Markovich, and H. Szymczak	
☞ <i>Ab initio</i> modeling of Bose-Einstein condensation in $\text{Pb}_2\text{V}_3\text{O}_9$ (6 pages)	064415
Alexander A. Tsirlin and Helge Rosner	

(Continued)

Quantum phases of the planar antiferromagnetic J_1 - J_2 - J_3 Heisenberg model (8 pages)	064416
Johannes Reuther, Peter Wölfle, Rachid Darradi, Wolfram Brenig, Marcelo Arlego, and Johannes Richter	
Electrical and magnetic properties of the complete solid solution series between SrRuO ₃ and LaRhO ₃ : Filling t_{2g} versus tilting (8 pages)	064417
Phillip T. Barton, Ram Seshadri, and Matthew J. Rosseinsky	
Magnetic properties and orbital anisotropy driven by Mn ²⁺ in nonstoichiometric La _x MnO _{3-δ} thin films (8 pages)	064418
A. Galdi, C. Aruta, P. Orgiani, N. B. Brookes, G. Ghiringhelli, M. Moretti Sala, R. V. K. Mangalam, W. Prellier, U. Lüders, and L. Maritato	
Electron concentration effects on the Shastry-Sutherland phase stability in Ce _{2-x} Pd _{2+y} In _{1-z} solid solutions (8 pages)	064419
J. G. Sereni, M. Giovannini, M. Gómez Berisso, and A. Saccone	
Self-consistent theory for the paramagnetic properties of TiCuCl ₃ to first order in the high-density 1/z expansion (6 pages)	064420
Jens Jensen	
Magnetic structure and spin dynamics of the quasi-one-dimensional spin-chain antiferromagnet BaCo ₂ V ₂ O ₈ (6 pages)	064421
Yu Kawasaki, Jorge L. Gavilano, Lukas Keller, Jürg Schefer, Niels Bech Christensen, Alex Amato, Takashi Ohno, Yutaka Kishimoto, Zhangzhen He, Yutaka Ueda, and Mitsuru Itoh	
Gigantic terahertz magnetochromism via electromagnons in the hexaferrite magnet Ba ₂ Mg ₂ Fe ₁₂ O ₂₂ (8 pages) . . .	064422
N. Kida, S. Kumakura, S. Ishiwata, Y. Taguchi, and Y. Tokura	
Antiferromagnetic coupling of the single-molecule magnet Mn ₁₂ to a ferromagnetic substrate (9 pages)	064423
Kyungwha Park	
Effect of strain on the orbital and magnetic ordering of manganite thin films and their interface with an insulator (7 pages)	064424
A. Baena, L. Brey, and M. J. Calderón	
Distinct magnetic regimes through site-selective atom substitution in the frustrated quantum antiferromagnet Cs ₂ CuCl _{4-x} Br _x (5 pages)	064425
P. T. Cong, B. Wolf, M. de Souza, N. Krüger, A. A. Haghighirad, S. Gottlieb-Schoenmeyer, F. Ritter, W. Assmus, I. Opahle, K. Foyevtsova, H. O. Jeschke, R. Valentí, L. Wiehl, and M. Lang	
Superfluidity and superconductivity	
 Cooper pair insulators and theory of correlated superconductors (16 pages)	064501
Predrag Nikolić and Zlatko Tešanović	
Antiferromagnetic, metal-insulator, and superconducting phase transitions in underdoped cuprates: Slave-fermion t - J model in the hopping expansion (15 pages)	064502
Akihiro Shimizu, Koji Aoki, Kazuhiko Sakakibara, Ikuo Ichinose, and Tetsuo Matsui	
Effects of a resonant cavity on macroscopic quantum tunneling of fluxons in long Josephson junctions (15 pages)	064503
Ju H. Kim and Ramesh P. Dhungana	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 83, NUMBER 6

FEBRUARY 2011-1(II)

Superconductivity and non-Fermi-liquid behavior of Ce_2PdIn_8 (6 pages)	064504
V. H. Tran, D. Kaczorowski, R. T. Khan, and E. Bauer	
Surface density of states and topological edge states in noncentrosymmetric superconductors (9 pages)	064505
Keiji Yada, Masatoshi Sato, Yukio Tanaka, and Takehito Yokoyama	
Magnetic torque evidence for the Fulde-Ferrell-Larkin-Ovchinnikov state in the layered organic superconductor $\kappa\text{-(BEDT-TTF)}_2\text{Cu(NCS)}_2$ (7 pages)	064506
B. Bergk, A. Demuer, I. Sheikin, Y. Wang, J. Wosnitza, Y. Nakazawa, and R. Lortz	
Quantum tunneling of the interfaces between normal-metal and superconducting regions of a type-I Pb superconductor (4 pages)	064507
E. M. Chudnovsky, S. Véléz, A. García-Santiago, J. M. Hernandez, and J. Tejada	
Interplay between superconductivity and antiferromagnetism in a multilayered system (5 pages)	064508
H. T. Quan and Jian-Xin Zhu	
Electronic structure of detwinned BaFe_2As_2 from photoemission and first principles (5 pages)	064509
Yeongkwan Kim, Hyungju Oh, Chul Kim, Dongjoon Song, Wonsig Jung, Beomyoung Kim, Hyoung Joon Choi, Changyoung Kim, Bumsung Lee, Seunghyun Khim, Hyungjoon Kim, Keehoon Kim, Jongbeom Hong, and Yongseung Kwon	
☞ Long-range proximity effect in $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3/(100)\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ ferromagnet/superconductor bilayers: Evidence for induced triplet superconductivity in the ferromagnet (6 pages)	064510
Yoav Kalcheim, Tal Kirzhner, Gad Koren, and Oded Millo	
☞ Behavior of vortices near twin boundaries in underdoped $\text{Ba(Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ (7 pages)	064511
B. Kalisky, J. R. Kirtley, J. G. Analytis, J.-H. Chu, I. R. Fisher, and K. A. Moler	
Transport current carrying superconducting film with periodic pinning array under strong magnetic fields (8 pages)	064512
B. Rosenstein, I. Shapiro, and B. Ya. Shapiro	
Effect of annealing on the specific heat of $\text{Ba(Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ (8 pages)	064513
K. Gofryk, A. B. Vorontsov, I. Vekhter, A. S. Sefat, T. Imai, E. D. Bauer, J. D. Thompson, and F. Ronning	
Bulk and surface nanoscale hole density inhomogeneity in $\text{HgBa}_2\text{CuO}_{4+\delta}$ and $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ cuprates (10 pages)	064514
Wei Chen, Giniyat Khaliullin, and Oleg P. Sushkov	
Magnetic field dependence of pairing interaction in ferromagnetic superconductors with triplet pairing (7 pages)	064515
V. P. Mineev	
Orbital nature of the hole-like Fermi surface in superconducting $\text{Ba(Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ (6 pages)	064516
B. Mansart, V. Brouet, E. Papalazarou, M. Fuglsang Jensen, L. Petaccia, S. Gorovikov, A. N. Grum-Grzhimailo, F. Rullier-Albenque, A. Forget, D. Colson, and M. Marsi	
Charge solitons and their dynamical mass in one-dimensional arrays of Josephson junctions (9 pages)	064517
Jens Homfeld, Ivan Protopopov, Stephan Rachel, and Alexander Shnirman	
Self-consistent Eliashberg theory, T_c , and the gap function in electron-doped cuprates (12 pages)	064518
Dhananjay Dhokarh and Andrey V. Chubukov	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 83, NUMBER 6

FEBRUARY 2011-1(II)

Evidence for a photoinduced nonthermal superconducting-to-normal-state phase transition in overdoped $\text{Bi}_2\text{Sr}_2\text{Ca}_{0.92}\text{Y}_{0.08}\text{Cu}_2\text{O}_{8+\delta}$ (9 pages)	064519
G. Coslovich, C. Giannetti, F. Cilento, S. Dal Conte, G. Ferrini, P. Galinetto, M. Greven, H. Eisaki, M. Raichle, R. Liang, A. Damascelli, and F. Parmigiani	
Quantum melting and lattice orientation of driven vortex matter (7 pages)	064520
S. Okuma, H. Imaizumi, D. Shimamoto, and N. Kokubo	
Strong enhancement of d -wave superconducting state in the three-band Hubbard model coupled to an apical oxygen phonon (5 pages)	064521
Z. B. Huang, H. Q. Lin, and E. Arrigoni	
Specific heat and μSR study on the noncentrosymmetric superconductor LaRhSi_3 (9 pages)	064522
V. K. Anand, A. D. Hillier, D. T. Adroja, A. M. Strydom, H. Michor, K. A. McEwen, and B. D. Rainford	
Unitarity in periodic potentials: A renormalization group analysis (15 pages)	064523
Predrag Nikolić	
Theory of the quasiparticle excitation in high- T_c cuprates: Quasiparticle charge and nodal-antinodal dichotomy (9 pages)	064524
Fan Yang and Tao Li	

ERRATA

Publisher's Note: Raman spectra of barium halides in orthorhombic and hexagonal symmetry: An <i>ab initio</i> study [Phys. Rev. B 83 , 024107 (2011)] (1 page)	069901(E)
Christian Bohley, Jan-Martin Wagner, Charlotte Pfau, Paul-Tiberiu Miclea, and Stefan Schweizer	