

Extended <i>s-d</i> model for magnetization dynamics of strongly noncollinear configurations (<i>4 pages</i>)	052406
L. De Angeli, D. Steiauf, R. Singer, I. Köberle, F. Dietermann, and M. Fähnle	
Contrasting the magnetic response between a magnetic glass and a reentrant spin glass (<i>4 pages</i>)	052407
S. B. Roy and M. K. Chattopadhyay	
Superfluidity and superconductivity	
Theory of reduced singlet pairing without the underlying state of charge stripes in the high-temperature superconductor YBa ₂ Cu ₃ O _{6.45} (<i>4 pages</i>)	052501
Hiroyuki Yamase	
Effects of strong correlations and disorder in <i>d</i> -wave superconductors (<i>4 pages</i>)	052502
Marcos Rigol, B. Sriram Shastry, and Stephan Haas	
Temperature-induced 0- π coexistence in clean superconductor-ferromagnet-superconductor Josephson junctions (<i>4 pages</i>)	052503
R. Zikic, L. Dobrosavljević-Grujić, and B. Vujičić	
First-order magnetic transition in single-crystalline CaFe ₂ As ₂ detected by ⁷⁵ As nuclear magnetic resonance (<i>4 pages</i>)	052504
S.-H. Baek, N. J. Curro, T. Klimczuk, E. D. Bauer, F. Ronning, and J. D. Thompson	
Character of magnetic instabilities in CaFe ₂ As ₂ (<i>4 pages</i>)	052505
G. D. Samolyuk and V. P. Antropov	
Possible two-gap behavior in noncentrosymmetric superconductor Mg ₁₀ Ir ₁₉ B ₁₆ : A penetration depth study (<i>4 pages</i>)	052506
I. Bonalde, R. L. Ribeiro, W. Brämer-Escamilla, G. Mu, and H. H. Wen	
Doping and temperature dependence of Raman scattering from NdFeAsO _{1-x} F _x ($x=0-0.2$) superconductor (<i>4 pages</i>)	052507
L. Zhang, T. Fujita, F. Chen, D. L. Feng, S. Maekawa, and M. W. Chen	
Enhanced superfluid stiffness, lowered superconducting transition temperature, and field-induced magnetic state of the pnictide superconductor LiFeAs (<i>4 pages</i>)	052508
F. L. Pratt, P. J. Baker, S. J. Blundell, T. Lancaster, H. J. Lewtas, P. Adamson, M. J. Pitcher, D. R. Parker, and S. J. Clarke	

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

Absence of superconductivity in the high-pressure polymorph of MgB ₂ (<i>5 pages</i>)	054101
Yanming Ma, Yanchao Wang, and Artem R. Oganov	
⁵⁹ Co NMR study of the allotropic phase transformation in small ferromagnetic cobalt particles (<i>8 pages</i>)	054102
R. Speight, A. Wong, P. Ellis, P. T. Bishop, T. I. Hyde, T. J. Bastow, and M. E. Smith	
<i>Ab initio</i> calculations of <i>f</i> -orbital electron-phonon interaction in laser cooling (<i>5 pages</i>)	054103
Jedo Kim and Massoud Kaviani	
Evidence for dielectric aging due to progressive 180° domain wall pinning in polydomain Pb(Zr _{0.45} Ti _{0.55})O ₃ thin films (<i>9 pages</i>)	054104
Pavel Mokřý, Yongli Wang, Alexander K. Tagantsev, Dragan Damjanovic, Igor Stolichnov, and Nava Setter	

(Continued)