

Dominant role of grain boundary scattering in the resistivity of nanometric Cu films (<i>4 pages</i>)	041402(R)
Tik Sun, Bo Yao, Andrew P. Warren, Katayun Barmak, Michael F. Toney, Robert E. Peale, and Kevin R. Coffey	
Thermal photocatalytic generation of H ₂ over CuAlO ₂ nanoparticle catalysts in H ₂ O (<i>4 pages</i>)	041403(R)
John R. Smith, Thomas H. Van Steenkiste, and Xiao-Gang Wang	
Thermoelectric properties of granular metals (<i>4 pages</i>)	041404(R)
Andreas Glatz and I. S. Beloborodov	
Structure of large gold clusters obtained by global optimization using the minima hopping method (<i>4 pages</i>)	041405(R)
Kuo Bao, Stefan Goedecker, Kenji Koga, Frédéric Lançon, and Alexey Neelov	
Hydrogen storage of calcium atoms adsorbed on graphene: First-principles plane wave calculations (<i>4 pages</i>)	041406(R)
C. Ataca, E. Aktürk, and S. Ciraci	

ARTICLES

Electronic structure: wide-band, narrow-band, and strongly correlated systems

Competition between Jahn-Teller coupling and orbital fluctuations in HoVO ₃ (<i>11 pages</i>)	045101
G. R. Blake, A. A. Nugroho, M. J. Gutmann, and T. T. M. Palstra	
Determination of the single-ion anisotropy energy in a $S=\frac{5}{2}$ kagome antiferromagnet using x-ray absorption spectroscopy (<i>9 pages</i>)	045102
M. A. de Vries, T. K. Johal, A. Mirone, J. S. Claydon, G. J. Nilsen, H. M. Rønnow, G. van der Laan, and A. Harrison	
Dynamics and spectral weights of shake-up valence excitations in transition metal <i>K</i> -edge resonant inelastic x-ray scattering (<i>8 pages</i>)	045103
K. H. Ahn, A. J. Fedro, and Michel van Veenendaal	
 Electron spin resonance in heavy-fermion systems (<i>6 pages</i>)	045104
P. Schlottmann	
Nonequilibrium cotunneling through a three-level quantum dot (<i>11 pages</i>)	045105
S. Schmaus, V. Koerting, J. Paaske, T. S. Jespersen, J. Nygård, and P. Wölfle	
Multicenter-type corrections to standard DFT exchange and correlation functionals (<i>5 pages</i>)	045106
Ivano Tavernelli, I-Chun Lin, and Ursula Rothlisberger	
Spin-orbit coupling in an <i>f</i> -electron tight-binding model: Electronic properties of Th, U, and Pu (<i>7 pages</i>)	045107
M. D. Jones and R. C. Albers	
Half-filled Hubbard model on a Bethe lattice with next-nearest-neighbor hopping (<i>7 pages</i>)	045108
Robert Peters and Thomas Pruschke	
Maximally localized Wannier functions for GW quasiparticles (<i>9 pages</i>)	045109
D. R. Hamann and David Vanderbilt	
Supercurrent and multiple singlet-doublet phase transitions of a quantum dot Josephson junction inside an Aharonov-Bohm ring (<i>9 pages</i>)	045110
C. Karrasch and V. Meden	

(Continued)