

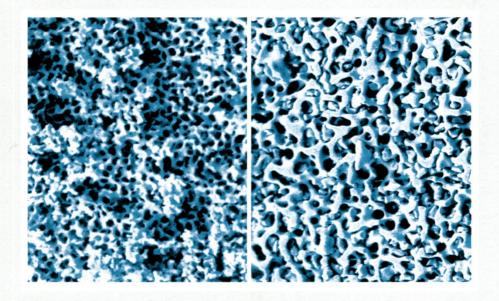
Journal of Physics

Condensed Matter

Volume 26 Number 22 4 June 2014

Featured in this issue

Surface, Interface and Atomic-Scale Science



iopscience.org/jpcm

Journal of Physics

Condensed Matter

Volume 26 Number 22 4 June 2014

SURFACE, INTERFACE AND ATOMIC-SCALE SCIENCE FAST TRACK COMMUNICATION 222001 Effects of plasmon energetics on light emission induced by scanning tunneling microscopy K Miwa, M Sakaue, B Gumhalter and H Kasai SURFACE, INTERFACE AND ATOMIC-SCALE SCIENCE PAPERS 225001 Interaction of 3D dewetting nanodroplets on homogeneous and chemically heterogeneous substrates M Asgari and A Moosavi 225002 Scattering of charge carriers by Cr impurities in magnetotransport on a Bi(1 1 1) ultra-thin film P Kröger, S Sologub, C Tegenkamp and H Pfnür 225003 The growth of ultra-thin zirconia films on Pd₃Zr(0 0 0 1) J I J Choi, W Mayr-Schmölzer, F Mittendorfer, J Redinger, U Diebold and M Schmid 225004 Freezing and melting of hydrogen confined in nanoporous silica S O Kucheyev, E Van Cleve and M A Worsley 225005 Novel genetic algorithm search procedure for LEED surface structure determination M L Viana, D D dos Reis, E A Soares, M A Van Hove, W Moritz and V E de Carvalho **PAPERS** SOLID STRUCTURE AND LATTICE DYNAMICS 225401 Pressure effects on the vibrational properties of α -Bi₂O₃: an experimental and theoretical study A L J Pereira, O Gomis, J A Sans, J Pellicer-Porres, F J Manjón, A Beltran, P Rodríguez-Hernández and A Muñoz 225402 Anharmonic force constants extracted from first-principles molecular dynamics: applications to heat transfer simulations T Tadano, Y Gohda and S Tsuneyuki CORRELATED ELECTRONS 225601 Bias free gap creation in bilayer graphene A R Davenport and J P Hague 225602 O-dependence of the spin fluctuations in the intermediate valence compound CePd₃ V R Fanelli, J M Lawrence, E A Goremychkin, R Osborn, E D Bauer, K J McClellan, J D Thompson, C H Booth, A D Christianson and P S Riseborough **SEMICONDUCTORS** Electronic structure and local distortions in epitaxial ScGaN films 225801 S M Knoll, M Rovezzi, S Zhang, T B Joyce and M A Moram CORRIGENDUM 229501 Corrigendum: An improved interatomic potential for xenon in UO₂: a combined density functional theory/genetic algorithm approach (2014 J. Phys.: Condens. Matter 26 105501) A E Thompson, B Meredig and C Wolverton