

# Journal of Physics

# **Condensed Matter**

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# **Topical review**

Path-integral simulation of solids

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#### **FAST TRACK COMMUNICATION**

232201 Temperature dependence of clusters with attracting vortices in superconducting niobium studied by neutron scattering

A Pautrat and A Brûlet

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C P Herrero and R Ramírez

#### **PAPERS**

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235301 Pressure dependence of Raman spectrum in InAs nanowires

Sara Yazji, Ilaria Zardo, Simon Hertenberger, Stefanie Morkötter, Gregor Koblmüller, Gerhard Abstreiter and Paolo Postorino

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235401 Temperature dependence of alkali-metal rattling dynamics in the  $\beta$ -pyrochlores, AOs<sub>2</sub>O<sub>6</sub>

(A = K, Rb, Cs), from MD simulation

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235402 A metallic carbon consisting of helical carbon triangle chains

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**ELECTRONIC STRUCTURE** 

235501 Nonlinear magnetotransport theory and Hall induced resistance oscillations in graphene

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235502 Ab initio study of gallium stabilized  $\delta$ -plutonium alloys and hydrogen-vacancy complexes

Sarah C Hernandez, Daniel S Schwartz, Christopher D Taylor and Asok K Ray

235503 Density functional study of electronic structure, elastic and optical properties of MNH<sub>2</sub> (M=Li, Na, K, Rb)

K Ramesh Babu and G Vaitheeswaran

235504 Topologically nontrivial narrow bands in ultrathin SnTe films with defect superstructures

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235701 Strong-coupling BCS superconductivity in noncentrosymmetric BaPtSi<sub>3</sub>: a low-temperature study

R Ribeiro-Palau, R Caraballo, P Rogl, E Bauer and I Bonalde

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235801 Spin-orbit coupling induced magnetoresistance oscillation in a dc biased two-dimensional electron system

C M Wang and X L Lei

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236001 Disappearance of Ising nature in Ca<sub>3</sub>ZnMnO<sub>6</sub> studied by high-field ESR

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236002 Focused-ion-beam induced interfacial intermixing of magnetic bilayers for nanoscale control of

magnetic properties

D M Burn, T P A Hase and D Atkinson

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### **CORRIGENDA**

239501 Corrigendum: Everything SAXS: small-angle scattering pattern collection and correction

(2013 J. Phys.: Condens. Matter 25 383201)

B R Pauw

239502 Corrigendum: Photochromic charge transfer processes in natural pink and brown diamonds

(2014 J. Phys.: Condens. Matter 26 035501) K S Byrne, J G Chapman and A N Luiten