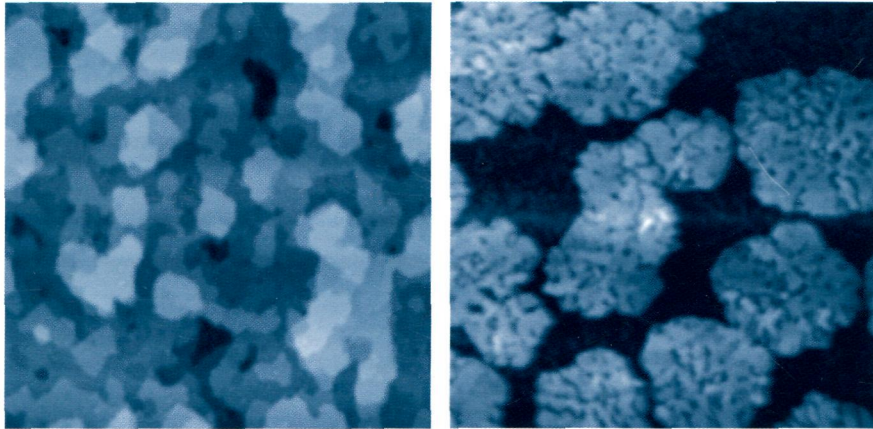


Journal of Physics

Condensed Matter

Volume 25 Number 25 26 June 2013



FAST TRACK COMMUNICATIONS

- 252201** **Controlled argon beam-induced desulfurization of monolayer molybdenum disulfide**
Quan Ma, Patrick M Odenthal, John Mann, Duy Le, Chen S Wang, Yeming Zhu, Tianyang Chen, Dezheng Sun, Koichi Yamaguchi, Tai Tran, Michelle Wurch, Jessica L McKinley, Jonathan Wyrick, KatieMarie Magnone, Tony F Heinz, Talat S Rahman, Roland Kawakami and Ludwig Bartels
- 252202** **Effect of central mode on the dielectric tunability of ferroelectrics near room temperature: a first-principle-based study**
Jeevaka Weerasinghe, Dawei Wang and L Bellaiche

PAPERS

NANOSTRUCTURES AND NANOELECTRONICS

- 255301** **Structure and magnetism of disordered carbon**
M A Akhukov, M I Katsnelson and A Fasolino

SOLID STRUCTURE AND LATTICE DYNAMICS

- 255401** **A time dependent kinetic small angle neutron scattering study of a novel YFe phase**
L M Simmons, P M Bentley, M Al-Jawad and S H Kilcoyne
- 255402** **Extended Czjzek model applied to NMR parameter distributions in sodium metaphosphate glass**
Filipe Vasconcelos, Sylvain Cristol, Jean-François Paul, Laurent Delevoye, Francesco Mauri, Thibault Charpentier and Gérard Le Caër

CORRELATED ELECTRONS

- 255601** **Disorder-driven low-temperature anomalies in single-crystalline $\text{Ce}_2\text{Co}_{0.4}\text{Rh}_{0.4}\text{Si}_{3.2}$**
M Szlawska and D Kaczorowski

MAGNETISM AND MAGNETIC MATERIALS

- 256001** **Magnetic field-induced ordering in SrDy_2O_4**
T H Cheffings, M R Lees, G Balakrishnan and O A Petrenko
- 256002** **Electronic structure near cationic defects in magnetite**
R Arras, B Warot-Fonrose and L Calmels
- 256003** **Raman spectroscopic study of the frustrated spin 1/2 antiferromagnet clinoatacamite**
Xiao-Dong Liu, Xu-Guang Zheng, Dong-Dong Meng, Xing-Liang Xu and Qi-Xin Guo
- 256004** **Magnetic transitions and spin-glass reentrance in two-dimensional $[\text{Mn}^{II}(\text{TCNE})(\text{NCMe})_2]\text{X}$ ($\text{X} = \text{PF}_6, \text{AsF}_6, \text{SbF}_6$) molecular magnets**
C S Olson, C L Heth, F L Alema, S H Lapidus, P W Stephens and K I Pokhodnya
- 256005** **X-ray absorption fine structure study of cobalt ion distribution in ferromagnetic $\text{Zn}_{1-x}\text{Co}_x\text{O}$ films**
S-Y Seo, E-S Jeong, C-H Kwak, C-I Park, Zhenlan Jin, S-H Kim and S-W Han
- 256006** **Field- and temperature-induced evolution of the magnetocaloric effect in $\text{Ba}_{0.3}\text{Sr}_{1.7}\text{Co}_2\text{Fe}_{12}\text{O}_{22}$ single crystals with heliconical magnetism**
Li-Qin Yan, Sae Hwan Chun, Young Sun, Kwang Woo Shin, Byung-Gu Jeon, Shi Peng Shen and Kee Hoon Kim
- 256007** **Room-temperature ferromagnetism of all-epitaxial $\beta\text{-Fe-Ge/diamond-Ge}/\beta\text{-Fe-Ge}$ trilayers**
I Maafa, S Hajjar-Garreau, R Jaafar, D Berling, C Pirri, A Mehdaoui, E Denys, A Florentin and G Garreau

CORRIGENDUM

- 259501** **Corrigendum: Elastic and anelastic relaxations accompanying magnetic ordering and spin-flop transitions in hematite, Fe_2O_3**
Lucie Oravova, Zhiying Zhang, Nathan Church, Richard J Harrison, Christopher J Howard and Michael A Carpenter