

PLU
J80/pem

ISSN 0953-8984

Journal of Physics

Condensed Matter

Volume 26 Number 19 14 May 2014

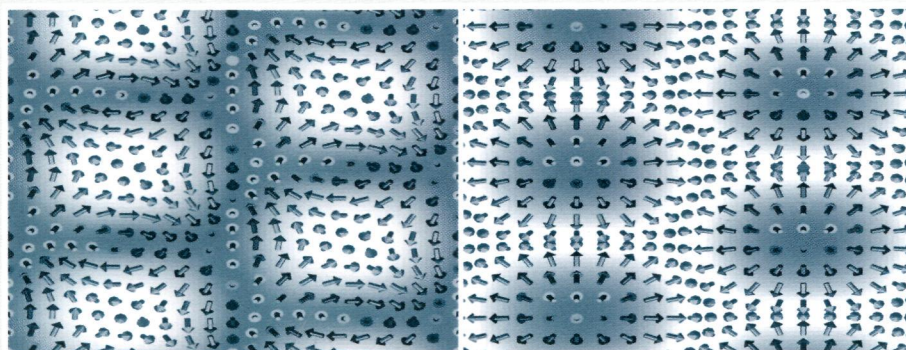
Topical review

Ferroc properties in bi-component perovskites: artificial superlattices and naturally forming compounds

T Saha-Dasgupta

Scanning gate imaging of a disordered quantum point contact

N Aoki, C R da Cunha, R Akis, D K Ferry and Y Ochiai



iopscience.org/jpcm

IOP Publishing

TOPICAL REVIEWS

- 193201 Ferroic properties in bi-component perovskites: artificial superlattices and naturally forming compounds**
T Saha-Dasgupta
- 193202 Scanning gate imaging of a disordered quantum point contact**
N Aoki, C R da Cunha, R Akis, D K Ferry and Y Ochiai

PAPERS

NANOSTRUCTURES AND NANOELECTRONICS

- 195301 Single-electron transport in a three-ion magnetic molecule modulated by a transverse field**
J I Romero and E R Mucciolo
- 195302 DSSC anchoring groups: a surface dependent decision**
C O'Rourke and D R Bowler

ELECTRONIC STRUCTURE

- 195501 Analytic bond-order potentials for the bcc refractory metals Nb, Ta, Mo and W**
M Čák, T Hammerschmidt, J Rogal, V Vitek and R Drautz

CORRELATED ELECTRONS

- 195601 CDW fluctuations and the pseudogap in the single-particle conductivity of quasi-1D Peierls CDW systems: II**
I Kupčić, Z Rukelj and S Barišić
- 195602 Correlation effects and phonon modes softening with doping in $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$**
Dm M Korotin, D Novoselov and V I Anisimov

MAGNETISM AND MAGNETIC MATERIALS

- 196001 Investigating the development of spurious magnetism in single crystalline $\text{BaTi}_{0.95}\text{Fe}_{0.05}\text{O}_{3-\delta}$ with high δ by local structural probes**
Tanushree Chakraborty, Carlo Meneghini, Giuliana Aquilanti and Sugata Ray
- 196002 Magnetocrystalline anisotropy energy for adatoms and monolayers on non-magnetic substrates: where does it come from?**
O Šipr, S Bornemann, H Ebert and J Minár
- 196003 Spin dynamics of the giant polyoxometalate molecule $\{\text{Mn}_{40}\text{W}_{224}\}$ studied by NMR**
Y Furukawa, X Fang and P Kögerler
- 196004 Emergence of spin spiral magnetic order in Mn based inverse Heusler alloys**
S Paul, S Ghosh and B Sanyal
- 196005 Effects of Rashba and Dresselhaus spin-orbit interactions on the ground state of two-dimensional localized spins**
J H Oh, K-J Lee, Hyun-Woo Lee and M Shin
- 196006 Large orbital magnetic moment in Pt_{13} clusters**
O Bunău, J Bartolomé, F Bartolomé and L-M Garcia