

Volume 181, 2014 ISSN 0038-1098

Published 2 March 2014



solid state communications

a condensed matter science journal

Submit On-line: www.elsevier.com/locate/ssc

CONTENTS

Communications

J. Kajitani, K. Deguchi, A. Omachi, T. Hiroi, Y. Takano,
H. Takatsu, H. Kadokawa, O. Miura and Y. Mizuguchi

C. Wang, H. Qiu, T. Inoue and Q. Yao

D.J. Clark, L. Yuan, C.O. Otieno, G. Zhou and J.I. Jang

T. Jarlborg

M. Shahabuddin, N.S. Alzayed, S. Oh, S. Choi, M. Maeda,
M.S. Shah, A. Motaman, M.S. Al Hossain and J.H. Kim

C. He and J. Zhong

J. Wang, L.-J. Dai, C.-M. Xiong, X. Zhao, N. Wang,
W.-J. Lou and T. Ma

A. Manaselyan, A. Ghazaryan and T. Chakraborty

F.S. Elkin, I.P. Zibrov, A.P. Novikov, S.S. Khasanov,
V.A. Sidorov, A.E. Petrova, T.A. Lograsso, J.D. Thompson
and S.M. Stishov

L. Peng

P. Balasubramanian, R. Yadav, H.S. Nair, H.M. Tsai,
Y. Joly, J.F. Lee, S. Elizabeth, B.R. Sekhar, C.W. Pao
and W.F. Pong

S. Ram and V. Kanchana

- 1 Correlation between crystal structure and superconductivity in $\text{LaO}_{0.5}\text{F}_{0.5}\text{BiS}_2$
- 5 Highly active SrTiO_3 for visible light photocatalysis: A first-principles prediction
- 9 Impurity and morphological dependence on photoluminescence and enhanced impurity-induced two-photon absorption in ZnO
- 15 Theoretical aspects of simple and nested Fermi surfaces for superconductivity in doped semiconductors and high- T_c cuprates
- 20 Percolative nature of current transport in polycrystalline MgB_2 wires
- 24 M585, a low energy superhard monoclinic carbon phase
- 28 Dependence of the magnetism–resistivity correlation on Curie temperature in manganites
- 34 Effect of the spin–orbit coupling on the Raman spectra of a GaAs quantum ring with few electrons
- 41 Thermodynamics of the ferromagnetic phase transition in nearly half metallic CoS_2 at high pressures
- 46 Modeling of bi-equilibrium states in dielectric elastomer
- 50 Electronic structure of $\text{Nd}_{1-x}\text{Y}_x\text{MnO}_3$ from Mn K edge absorption spectroscopy and DFT methods
- 54 Lattice dynamics and superconducting properties of antiperovskite La_3InZ ($Z=\text{N}, \text{O}$)



0038-1098(201403)181:c;1-L

Indexed/abstracted in: *Curr. Cont. Res. Alert. Cam. Sci. Abstr., Curr. Cont./Phy. Chem. & Earth Sci., Eng. Ind., INSPEC Data., PASCAL-CNRS Data., Curr. Cont. Sci. Cit. Ind., Curr. Cont. SCISEARCH Data., SSSA/CISA/ISMEC, Chemical Abstracts Service, MSCI*
Also covered in the abstract and citation database Scopus^(b)
Full text available on ScienceDirect^(b)



Available online at www.sciencedirect.com

ScienceDirect