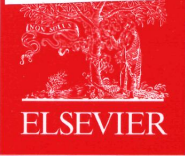


FLU
S70/5c



Volume 162, 2013 ISSN 0038-1098

Published 10 May 2013

solid state communications

a condensed matter science journal

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

CONTENTS

Communications

- Q. Chen, Z. Huang, Z. Zhao and D. Shu 1 First principles study on elastic properties, thermodynamics and electronic structural of AB_2 type phases in magnesium alloy
- K. Elibol, G. Atmaca, P. Tasli and S.B. Lisesivdin 8 A numerical study on subband structure of $In_xAl_{1-x}N/GaN$ -based HEMT structures with low-indium ($x < 0.10$) barrier layer
- Y. Xing, X.X. Liang and Z.P. Wang 13 Optical vibration modes in spherical multilayer nanostructures
- H. Wadati, K. Kato, Y. Wakisaka, T. Sudayama, D.G. Hawthorn, T.Z. Regier, N. Onishi, M. Azuma, Y. Shimakawa, T. Mizokawa, A. Tanaka and G.A. Sawatzky 18 Impact of Mn–O–O–Mn superexchange pathways in a honeycomb lattice Mn oxide with small charge-transfer energy
- J.E. Barrios-Vargas and G.G. Naumis 23 Pseudo-gap opening and Dirac point confined states in doped graphene
- X. Yu, T. Hou, X. Sun and Y. Li 28 Atomistic structures and phase transition of In_2Se_3 nanowires studied by DFT calculations and synchrotron radiation X-ray diffraction
- H.-F. Zhang, S.-B. Liu, X.-K. Kong and B.-X. Li 34 Investigation on the dispersion of three-dimensional non-magnetized plasma photonic crystals with fcc-centered-cubic lattices
- W.K. Tan, K.A. Razak, Z. Lockman, G. Kawamura, H. Muto and A. Matsuda 43 Optical properties of two-dimensional ZnO nanosheets formed by hot-water treatment of Zn foils
- L.-J. Zhang, B.-P. Zhang, Z.-H. Ge and C.-G. Han 48 Fabrication and properties of $Bi_2S_{3-x}Se_x$ thermoelectric polycrystals
- R. Masrour, L. Bahmad, M. Hamedoun, A. Benyoussef and E.K. Hlil 53 The magnetic properties of a decorated Ising nanotube examined by the use of the Monte Carlo simulations
- N.I. Kadyrova, N.I. Medvedeva, Yu.G. Zainulin and A.L. Ivanovskii 57 Multi-component perovskite-type oxides $CaCu_3V_{4-x}Mn_xO_{12}$: Synthesis and electronic properties



0038-1098(201305)162:C;1-P



ELSEVIER

Available online at www.sciencedirect.com

SciVerse ScienceDirect

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 *SciVerse Scopus*[®]
 Full text available on *SciVerse ScienceDirect*[®]