

CONTENTS

Front Title	527
Board of Editors	529-530
From Editor's Desk : An Announcement	531
Front Contents	533-534
 Condensed Matter & Materials Physics	
Effects of wave function modulation on high-frequency carrier transport in quantum wells under high biasing field SUBIR KUMAR SARKAR	535-538
Dependence of U, V, W and other profile shape related parameters on standard Si sample microstructure A K DEB, P CHATTERJEE AND S P SEN GUPTA	539-545
Characterization of GaS-deposited GaAs surface by XPS and PL A B M O ISLAM AND C TATSUYAMA	547-551
Growth and characterisation of potassium dihydrogen phosphate (KDP) crystal doped with amino acids S GUNASEKARAN, S PONNUSAMY AND R RAJASEKARAN	553-561
Quantitative determination of haematite and chalcopyrite in metamorphic rocks using infrared spectroscopy V RAMASAMY, V PONNUSAMY, M DHEENATHAYALU AND G PALANI	563-568
Mechanoluminescence produced during impulsive deformation of coloured alkali halide crystals NAMITA RAJPUT, S TIWARI AND B P CHANDRA	569-573
Effects of temperature on the mechano luminescence of gold-doped ZnS phosphors SANJAY TIWARI, SHIKHA TIWARI AND B P CHANDRA	575-578
Thermally stimulated conductivity of CaS phosphors activated by Ce VIJAY SINGH, MANOJ TIWARI, O N AWASTHI, S J DHOBLE, R N DUBEY AND M S QURESHI	579-582
Thermo-optical studies of nematic liquid crystal mixtures RAJBIR SINGH, P P ANAND, V K AGARWAL, V P ARORA AND K K RAINA	583-585

Intramolecular C-H...N and intermolecular N-H...N interactions in 2-amino-4-phenyl-1,3-thiazole RAJNIKANT AND DINESH	587–589
Electron-phonon resonance in some new charge transfer complexes A T OZA, G K SOLANKI, R G PATEL AND S M PRAJAPATI	591–598
Chemical analysis techniques for quantitative determination of Cd, Se and Te from thin CdSe _{1-x} Te _x films P D MORE, P N BHOSALE, A A BELHEKAR, M K DONGARE AND L P DESHMUKH	599–605
Nuclear Physics	
On the diffraction model approach to cluster stripping nuclear reactions IMAD A BARGHOUTHI, MOHAMMAD M ABU-SAMREH AND NAHIDA L QUMRI	607–619
Halo structure of ¹¹ Li in a simple three body model S KUMAR AND V S BHASIN	621–627
Strong azimuthal fluctuations of pions produced in nuclear interactions at a few GeV/n DIPAK GHOSH, ARGHA DEB, SWARNAPRATIM BHATTACHARYYA, KEYA DUTTA (CHATTOPADHYAY), AND JAYITA GHOSH	629–633
Notes	
Crystal and molecular structure of bis (2, 4-diaminopyrimidinium) phosphate monohydrate, 2C ₄ H ₇ N ₄ ⁺ .PO ₄ ³⁻ .H ₂ O ⁺ SARODA BANERJEE, ASOK K PAL, R S PAL, S SAHA, NILANJANA BANERJEE, A BANERJEE AND MADHUSUDAN DE	635–637
Structure of 1-cyano, 1-carbethoxy-2-(3' methoxy-4'-hydroxy) phenyl ethylene V N NARASIMHA MURTHY, M K KOKILA, PUTTARAJA, N C SHIVAPRAKASH, GEETHA M KULKARNI AND M V KULKARNI	639–642
Erratum	
Nanostructured Mn-doped and undoped CuO thin films– PEC studies SAHAB DASS, YATENDRA S CHAUDHARY, MEGHA AGRAWAL, SAROJ, ANUBHUTI SHRIVASTAV, ROHIT SHRIVASTAV AND BIBHA R SATSANGA	643
<i>Forthcoming Publications (B)</i>	645–647
<i>Notes for Contributors</i>	649–651
<i>Our Special Publications</i>	653–654
<i>Announcements</i>	655–660