

Indian Journal of Pure & Applied Physics

<http://www.niscair.res.in>; <http://nopr.niscair.res.in>; Impact Factor: 0.739 (JCR 2015)

VOLUME 54

CODEN : LIOPAU 54(12) 749-822

NUMBER 12

DECEMBER 2016

ISSN : 0019-5596 (print); 0975-1041 (Online)

CONTENTS

Papers

Estimation of uncertainty of effective area of a pneumatic pressure reference standard using Monte Carlo method Jasveer Singh, L A Kumaraswamidhas, Aditi Vijay, Ashok Kumar & Nita Dilawar Sharma	755
Novel quadrature voltage controlled oscillator using series transistors coupling Jie Jin	765
Temperature dependence of ferroelectric mode frequency, dielectric constant and loss tangent in CsH ₂ PO ₄ and deuterated CsH ₂ PO ₄ crystals Anubhuti Mamgain & Trilok Chandra Upadhyay	771
Conjugate heat and mass transfer in square porous cavity Azeem, Irfan Anjum Badruddin, Mohd Yamani Idna Idris, N Nik-Ghazali, Salman Ahmed N J & Abdullah A A Al-Rashed	777
Anharmonicity in isochoric heat capacity for Mg ₂ SiO ₄ S K Sharma	787
Tungsten-ethylene vinyl acetate (EVA) composite as a gamma rays shielding material Omur Alp Ersöz, Fatma Yurt Lambrecht & Hale Melis Soylu	793
Characterization of zincblende CuInS ₂ nanostructured film: The XRD, Raman, FT-IR and UV-vis spectroscopical investigations T Hurma	797
Optimized multiplexer design and simulation using quantum dot-cellular automata Jadav Chandra Das & Debasish De	802
Annual Author Index	812
Annual Keyword Index	815