

Indian Journal of Pure & Applied Physics

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

VOLUME 54

NUMBER 9

SEPTEMBER 2016

CODEN : IJOPAU 54(9) 539-616

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

CONTENTS

Papers

- | | |
|---|-----|
| Nanoindentation study on nitrogenated tetrahedral amorphous carbon thin films with ultra low load
Ravi Kant Tripathi, Omvir Singh Panwar & Sreekumar Chockalingam | 543 |
| Improved surface properties of PTFE polymer films using broad ion source
A Atta & A Abdel-Galil | 551 |
| Electrical and optical properties of <i>n</i> -type InSb thin films
Shree Ram Vishwakarma | 557 |
| Microstrip array antenna with wideband high gain
Srija De, Poulami Samaddar, Sushanta Sarkar, Debasree Sarkar, Sushanta Biswas & Partha Pratim Sarkar | 562 |
| Optical fiber defect detection using Brillouin optical time domain analyser
M Kasinathan, Aleksander Wosniok, Katerina Krebber, C Babu Rao, N Murali & T Jayakumar | 565 |
| Analysis of mach zehnder modulator response to fiber dispersion in radio over fiber at 60 GHz for multigigabit wireless transmission
Shankar Duraikannan, Siti Barirah Binti Ahmad Anas, Borhanuddin Bin Mohd Ali, Zuraidah Binti Zan, Vinesh Thiruchelvam & Pooria Varahram | 571 |
| High input impedance voltage-mode biquad with one input and five outputs employing four CCII ICs
Jiun Wei Horng & Wei Yuan Chiu | 577 |
| Preparation and characterization of hot-pressed solid polymer electrolytes: (1- <i>x</i>)PEO: <i>x</i> NaBr
Angesh Chandra | 583 |
| Ultrasonic relaxation studies in some amino acids
G Ravichandran & S Arumugam | 589 |
| Study of excess dielectric and thermodynamic parameters of hydrogen bonded system: Isobutanol and ethyl benzoate
T Vishwam, K Parvateesam, Shaik Babu, S Sreehari Sastry & V R K Murthy | 597 |