

Indian Journal of Pure & Applied Physics

<http://www.niscair.res.in>; <http://nopr.niscair.res.in>; Impact Factor: 0.822 (JCR 2018)

VOLUME 58

NUMBER 03

MARCH 2020

CODEN : IJOPAU 58(03) 131-196

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

CONTENTS

Papers

- Iso-conversional study of crystallization activation energy of amorphous-crystallization transformation for $\text{Se}_{79}\text{Te}_{20}\text{Pb}_1$ glass using non-isothermal differential scanning calorimetry technique 135
Priyanka Vashist, Balbir Singh Patial, Anjali, S K Tripathi & Nagesh Thakur
- Thermo-acoustical properties of carbamide and N, N-dimethylformamide binary mixture at different temperatures 141
Hanuman Niwruutti Thorat & Anita Murugkar
- Energy efficient decision fusion for differential space-time block codes in wireless sensor networks 147
M Kanthimathi, R Amutha, D Vaithyanathan & S Somesh Sharma
- Spectroscopic properties of Sm^{3+} and CdS co-doped in sol-gel silica glass 157
Md Uzair Khan, A L Fanai & S Rai
- SIW cavity-backed patch antenna for X-band applications 164
Rajesh Kumar Raj
- Preferential solvation and bimolecular quenching reactions of boronic acid dye at very low quencher concentrations studied by fluorescence spectrum in toluene and butanol binary mixtures 168
P Bhavya, Raveendra Melavanki, Raviraj Kusanur & J Thipperudrappa
- Effect of buoyancy and suction on Sisko nanofluid over a vertical stretching sheet in a porous medium with mass flux condition 178
Rajesh Sharma & Ankita Bisht
- Conduction mechanism and defect density of states in amorphous $\text{Te}_{15}(\text{Se}_{100-x}\text{Bi}_x)_{85}$ glassy alloys 189
Kameshwar Kumar & Nagesh Thakur

Author Index

Amutha R	147	Patial Balbir Singh	135
Anjali	135	Rai S	157
Bhavya P	168	Raj Rajesh Kumar	164
Bisht Ankita	178	Sharma Rajesh	178
Fanai A L	157	Somesh Sharma S	147
Kanthimath M	147	Thakur Nagesh	135
Khan Md Uzair	157	Thakur Nagesh	189
Kumar Kameshwar	189	Thipperudrappa J	168
Kusanur Raviraj	168	Thorat Hanuman Niwrutti	141
Melavanki Raveendra	168	Tripathi S K	135
Murugkar Anita	141	Vaithyanathan D	147
		Vashist Priyanka	135