



IOSR Journals

International Organization
of Scientific Research

IOSR Journal of Applied Physics

e-ISSN : 2278-4861

Volume : 18 Issue : 2

Mar. – Apr. 2026

Contents:

First-Principle Investigation Of Defect-Induced Electronic State In Metal Oxide Nanowires	01-08
The Effect Of Temperature On Phase Transitions And Optical Properties In A Binary Mixture Of Cholesteryl Nonanoate And CTAB	09-12
A Comprehensive Proof Of Hubble's Law Based On Aging Affected Wu's Spacetime Shrinkage Theory	13-21
Investigation of Exciton-Phonon Coupling in Electrically Pumped Gallium Arsenide Quantum Dot Based Single Photon Emitters	22-25
Bianchi Type III Cosmology In $F(R, G, T)$ Gravity With A Variable Deceleration Parameter	22-28
Investigation of Exciton-Phonon Coupling in Electrically Pumped Gallium Arsenide Quantum Dot Based Single Photon Emitters	29-33
A Little Secret Of Light And The Physical Meaning Of Fresnel's Formula. Why Did This Formula Pass The Water Telescope Test?	29-36
Investigation Of Exciton-Phonon Coupling In Electrically Pumped Gallium Arsenide Quantum Dot Based Single Photon Emitters	37-40
An Analytical Discussion Of Bhasma And Comparative Studies Of Abhrak Bhasma And Amruthballi Powder	41-51
The Role Of Electromagnetic Wave In Quantum Theory	52-54
Effect Of Cr^{+} Substitution On The Structural, Vibrational, And Optical Properties Of $NiFe_2O_4$ Thin Films Prepared By CBD Technique	55-60
Structural, Thermal and Photoluminescence Analysis of Pr^{3+} Doped Borophosphate Glasses for the Visible Light Emitting Diodes Applications	55-62
Entropy of a Black Hole	63-66
Benchmarking Exchange-Correlation Functionals in Density Functional Theory (DFT) using Experimental Compton Profiles	67-76

IOSR-JAP