



African Physical Society (AfPS) International Conference | (SMR 3476)

18 Nov 2020 - 20 Nov 2020
Virtual, Virtual, Italy

P01 - ADANE Tsigie Getie - poster not presented

“Electronic Properties of 2D Van der Waals Heterostructures of Janus Transition Metal Dichalcogenides with WS₂ Monolayer for Photovoltaic Devices: A First Principle study”

P02 - ADIAHA Monday Sunday

MANAGEMENT OF ENVIRONMENTALLY TOXIC WASTES INCLUDING RADIOACTIVE WASTES USING CLIMATIC INFORMATION FOR FOOD QUALITY, REDUCTION OF HUMAN-ANIMAL-PLANT HEALTH NEXUS AND ECOSYSTEM BALANCE

P03 - AKBARI Mahmood

Effect of Silver Nanoparticle Size on Interaction with Hydroxychloroquine Drug: First Principle Study

P04 - ALHADJI MALLOUM -

Water-Ammonia Proton Transfer Free Energy and Enthalpy

P05 - AOUANI Ben Brahim Narjes

Theoretical investigation of electrical and thermal transport properties of flat sheet antimonene

P06 - BENABDALLAH Fadwa - poster not presented

Dynamics of quantum discord based on linear entropy and negativity of qutrit-qubit system under classical dephasing environments

P07 - BEN NASR Sirine - poster not presented

Extensive and accurate energy levels, transition rates, lifetimes, hyperfine structures and isotope shifts for the Rb XXXVI spectrum of Plasma interest

P08 - BOUHEDDADJ / Amina

Theoretically study of optoelectronic properties of ternary chalcogenide Sn₂Sb₂S₅ compound

P09 - CHIKA Khouloud

The effects of polaron formation on charge transport in organic solar cells.

P10 - CHOGE Kipchirchir Dismas

Dual-visible light generation in single-period MgO:PPLN Crystal

P11 - DOUMA Dick Hartmann

Theoretical insights into magnetization in graphene containing single and interacting nanoporous defects

P12 - FANKAM FANKAM Jean Baptiste

Theoretical investigation of the molecular structure, vibrational spectra, thermodynamic and nonlinear optical properties of 4,5-dibromo-2,7-dinitro-fluorescein

P13 - HASHIM Nadir Omar

Measurements of cosmic ray muons at Kenyatta University

P14 - JUMA Mzume Juma - poster not presented

TD-DFT Investigations on Optoelectronic Properties of Fluorescein Dye Derivatives in Dye-Sensitized Solar Cells (DSSCs)

P15 - KAMULEGEYA Fahad

INTER-TRANSITION TIMES IN A BIPARTITE MARKOV MODEL OF RECEPTORS

P16 - KANG Kisung

Energy dispersions and heat capacities of electrons, phonons, and magnons in antiferromagnetic L10-type MnPt: An ab initio study

P17 - KHAMLICHE Touria

Laser Liquid Solid Interaction Fabricated Cu Nanoparticles for Enhanced Thermal Conductivity Nanofluids

P18 - KING'ORI Wangechi Gladys

Two-Dimensional graphene-HfS₂ van der Waals heterostructure as electrode material for Alkali-ion batteries.

P19 - MANAI Soumaya

Relativistic Many Body Perturbation Theory of the lowest doubly excited levels arising from the K-vacancy of energy levels for He-like Lithium.

P20 - MENKAH Sarpong Elliot

Hydrogen evolution and effects of bimetallic catalyts on Carbon Monoxide(CO) activation.

P21 - MODUPEH HODASI Aba Joanna

66 fs all-fiber Tm-Ho fiber amplifier seeded by coherent supercontinuum pulse from an all-solid all-normal photonic crystal fiber

P22 - MORAD Razieh

Theoretical Investigation of Mercury Cluster and Surface with Boron Nitride Surface

P23 - NEFFETI Marwa

Novel Sm⁺³ activated NaCdVO₄ phosphors for red emitting material

P24 - NYARIGE Sageka Justine

Effect of L-arginine concentration on hematite nanostructures synthesized by spray pyrolysis and chemical bath deposition

P25 - OFFEI-DANSO Adu

A data science approach to structuring in water

P26 - SACEY Juliet

Bio-mimicry of photonic multi-scaled architectures of butterfly wing

P27 - SMAIN Fatiha

EVALUATION OF BIOMOLECULES ELECTROSTATIC POTENTIAL FROM POISSON-BOLTZMANN THEORY: THE CASE STUDY OF GLOBULAR PROTEIN

P28 - SOW Malick

Modified Atomic Orbital Calculations of Energy of the (2s21S) Ground-State, the (2p21D); (3d21G) and (4f21I) Doubly Excited States of Helium Isoelectronic Sequence from H⁻ to Ca¹⁸⁺.

P29 - TCHIBOTA POATY Lodvert

Characterization of peroxo reaction intermediates in the water oxidation process on hematite surfaces

P30 - TSHILANDE Neani

Computational study of myristinin A-an anti-inflammatory acyphloroglucinol