SAIP2013

Tuesday 09 July 2013

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[272] Tuneable Gaussian to Flat-top resonator by amplitude beam shaping	Mr NGCOBO, Sandile	
[273] Electrical and magnetic properties of NdAuGe compound	Mr BASHIR, Aiman	
[525] Magnetic properties of Sn0.2Cr1.8-xFexO4 nanooxides.	Mr MBELA, Kalengay	
[528] Synthesis and characterization of tin oxide nanostructures for gas sensing applications	Mr THABETHE, Bongani	
[191] Influence of magnetic field on the transition temperature of the (Cr ₈₄ Re ₁₆) _{89.6} V _{10.4} alloy	Mrs JACOBS, Bincy Susan	
[445] Raman spectroscopy of biological and chemical samples	Dr NEETHLING, Pieter	
[346] Thermal stability studies on Palladium Schottky contacts on n- Si (111) and the defects introduced during fabrication and annealing processes.	Ms DANGA, Helga	
[349] Effects of Combinational Doping on the Phase Transformation of Nano Titanium Dioxide	Mr NUBI, Olatunbosun Nubi	
[298] Sn and Sb segregation in single and polycrystalline Cu	Dr ASANTE, Joseph	
[293] Effect of annealing on undoped and Ce, Dy, Eu, Ni-doped ZnO properties synthesized by sol-gel method using zinc acetate and sodium hydroxide in aqueous ethanol solution.	Mr UNGULA, Jatani	
[290] Molecular dynamics simulations of Ti and Y impurities in tin-dioxide (SnO2)	Dr MOSUANG, Thuto	
[108] Structural and electronic properties of chalcopyrite AlAgX2 and AlCuX2(X=S, Se, Te)	Mr DONGHO NGUIMDO, Guy Moise	
[100] Magnetic properties of Cr/Cr _{99.65} Ru _{0.35} hetero-structures	Mrs JACOBS, Susan	
[105] Structural and electronic properties of transition metal chalcogenides (MoS2 , Mo2 S4 , and Mo6 S8) $$	Mr ONDZIBOU, Ninon Gildas	
[439] Comparative analysis of fabricated Titanium Schottky doides on silicon and gold doped silicon	Mr NAMBALA, Fred Joe	
[95] Synthesis and characterization of magnetron sputter deposited Ge-nanowires.	Mr THETHWAYO, Charles Thulani Mr NYAWO, Thembinkosi	
[94] Luminescent properties of Ca ₅ (PO ₄) ₃ OH:Gd ³⁺ , Pr ³⁺ phosphor powder	Ms MOKOENA, Puseletso	
[97] Growth and characterization of carbon nanotubes on ZrN thin film surfaces	Prof. NDWANDWE, Muzi Mr NYAWO, Thembinkosi	
[559] Synthesis and characterization of luminescence properties of CaAl2O4:Eu2+,Tm3+ phosphors powder	Prof. DHLAMINI, Mokhotjwa Simon	
[558] Sol-gel synthesis and characterization of terbium ion doped zinc oxide nanoparticles	Mr KABONGO, Guy Leba	

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[556] Annihilation of Positrons with High Momentum states in Lithium Flouride using Local Density Approximation and Generalized Gradient Approximation	Mr JILI, Thulani
[552] One step synthesis and characterization of Indium Monoselenide nanoparticles for photovoltaic application	Ms AIRO, Mildred
[233] Static electrical characteristics of silicon diodes at different temperatures: For radiation-hard detectors.	Dr MOLOI, Sabata
[144] Quantum entanglement with a Hermite-Gaussian pump	Ms MCLAREN, Melanie
[140] Production and characterisation of silicon nanoparticles for printed electronics	Mr UNUIGBE, David
[132] Analysis of electron diffraction patterns in DCNQI salts	Mr OLAOYE, Olufemi Opeyemi
[26] Theoretical Study of Positron States in Barium Flouride using Independent Particle Model and Generalized Gradient Approximation	Mr JILI, Thulani
[88] Synthesis and Characterization of white light emitting Sr ₂ SiO ₄ :Tb ³⁺ ,Eu ³⁺ phosphor	Ms TSHABALALA, Modiehi Amelia
[89] Raman Spectral Analysis of Organometallic Composite Film Synthesized by Electrochemical Route	Dr KUMAR, Vijay
[81] Azimuthal beam superpositions with intra-cavity rings	Mr NAIDOO, Darryl
[87] Effect of different annealing times on the structure of Y3(Al,Ga)5O12:Tb thin film grown by PLD	Mr YOUSIF, A.
[246] Spin-dependent electronic properties of random layered semiconductor systems	Mr MPSHE, Kagiso
[241] A Theoretical Investigation of the Structural, Electronic and Phase transition of Molybdenum Selenide compounds	Mr ABDULSALAM, Mahmud
[510] Thermodynamic, structural, electronic and mechanical stability study of olivine LiMPO ₄ (M: Mn, Fe, Co)	Mr LETHOLE, NDANDULENI LESLEY
[450] A reflection setup for Terahertz time-domain spectroscopy	Mr SMITH, Shane
[452] Modelling and simulation of a Distributed Feedback Erbium Ytterbium doped fiber laser	Mr MPOYO, Justice Sompo
[175] Evaporation models for segregation	Mr CRONJE, Shaun
[174] Synthesis and characterization of ZnO nanoparticles	Dr GONFA, Girma Goro
[182] Characterization of epitaxial Cr thin films	Mr FERNANDO, P R
[180] Control of Magnetism near Metal to Insulator Transitions of VO2	Mr NKOSI, Steven
[2] Study of Nanomaterials under High Pressure	Mr MORUTI, Kao Mr MOLEKO, Nkuebe Dr TLALI, Spirit
[187] Electrospun polyehylene oxide nanocomposite fibers reinforced withVO2 nanoparticles: Fabrication and optical analysis	Ms SIMO, Aline
[189] Development of Durban LIDAR system for aerosol and temperature measurements in the neutral atmosphere	Dr MBATHA, Nkanyiso
[15] Encoding mutually unbiased bases in orbital angular momentum for quantum key distribution	Dr DUDLEY, Angela
[17] On the metastability of the C center in Silicon: An ab initio study	Mr OUMA, Cecil
[322] Synthesis, structural and magnetic properties of MnxNi1-xFe2O4 nanoferrites	Dr ABDALLAH, Hafiz M I

[326] Synthesis and magnetic characterizations of MnxFe3-xO4 nanoferrites	Dr ABDALLAH, Hafiz M I
[71] Luminescent properties of Y2O3:Bi3+	Mrs MOHMMED JAFER BAKEET, Rasha
[543] Synthesis and magnetic properties of Mg1-xZnxFe2O4 nanoferrites	Dr MOYO, Thomas
[544] First-Principles Study of Thermodynamic and Dynamic Stability of Ru-Cr Alloys	Dr TIBANE, Malebo
[545] Structural studies of Y and Zr doped nano-crystalline tin oxide using EXAFS and Raman Scattering techniques.	Prof. RAMMUTLA, Erasmus Koena
[548] Optical delivery of anti-HIV-1 drugs into CD+ cells through a diffraction limited femtosecond laser beam spot	Ms BOITUMELO, Mokae
[571] Effect of the alpha particle charge state and energy on irradiation induced deep level defects in ZnO	Dr MTANGI, Wilbert
[570] Electrical characterization of 5.4 MeV alpha-particle irradiated 4H-SiC with low doping density	Mr PARADZAH, Alexander
[575] Luminescence properties of blue-red emitting SrAlxOy:1 percent Eu2+,x percent Cr3+ phosphors prepared using sol-gel method	Ms TEBELE, Angelina Seithati
[64] Thermodynamic stability of VO2 in contact with thin metal films	Ms THABEZHE, Nokwethemba Fortunate
[250] Efficient Ho:YLF laser pumped by a Tm:fiber laser	Mr KOEN, Wayne
[506] Computational studies of the bulk cobalt pentlandite (Co ₉ S ₈): Validation of the potential model.	Dr MEHLAPE, Mofuti
[464] Surface Brillouin scattering characterization of Diamond-like carbon thin films on silicon substrate	Mr MBIOMBI, Wilfred
[466] Thermoluminescence study of beta -irradiated SrAl2O4:Eu2+,Dy3+ phosphors.	Mr WAKO, ALI
[462] Design and evaluation of a low-cost photovoltaic system with semi-diffuse structured Aluminium reflectors	Mr SIMFUKWE, Joseph
[357] Microstructural Characterization of Sub-micron Copper Powder Consolidated by Spark plasma sintering for Heat Sink.	Dr ASANTE, Joseph
[212] Effect of Ag nanoparticles on the luminescence of Tb doped sol-gel silica	Mr ABBASS, Abd Ellateef
[211] Blue luminescence from Bi doped MgAl ₂ O ₄ prepared by the combustion method	Mr TABAZA, Wael
[289] The determination of critical behavior of ferromagnetic CeCuGe using magnetocaloric effect	Ms SONDEZI, Buyi
[282] The elastic properties and the phonon dispersions of TiPtCo shape memory alloy using the supercell approach	Ms MAHLANGU, Rosinah
[287] Mathematical model for interferometric noise in a Raman distributed fiber sensor	Ms SHIMAPONDA, Mulundumina
[286] Synthesis and Characterization of CaBxOy:Eu3+ nano-phosphors prepared using Solution - Combustion Method	Mr SITHOLE, THOKOZANE MOSES
[261] Modal decomposition of Bessel-Gaussian beams	Ms MHLANGA, Thandeka
[54] Effects of different TiO ₂ phases on the luminescence of CaTiO ₃ :Pr ³⁺	Mr NOTO, Luyanda Lunga
[57] Luminescent properties of Pr ³⁺ doped SrF ₂ at different synthesis	Mr YAGOUB, MYA

[56] Competitive Growth Texture of Pulse Laser Deposited VO2 Nanostructures on Glass Substrate	Mr MADIBA, itani given
[538] A circular current's duo Cartesian magnetic dipolar model and limitations on fields as spatial derivatives of potentials	Dr CHIRWA, Max
[110] Experimental Setup in Cold Atom Experiment	Mr DLAMINI, Sanele
[113] Effect of zinc acetateconcentrations on the structure, morphology and optical properties of ZnOnanoflakes synthesized by chemical bath deposition method	Dr DOLO, JAPPIE
[303] Plasma dynamics and species emission study of vanadium (IV) oxide (VO2) in oxygen background	Ms MASINA, Bathusile
[561] Magnetic Symmetry for Hexagonal Manganite RMO3	Dr MACHATINE, Augusto Mr NIYONGABO, Prime
[226] Energy transfer and photoluminescence properties of Ce3+ and/or Tb3+-doped PbS nanorods.	Prof. DEJENE, Francis
[223] Luminescent properties of Dy3+, Eu3+, Tb3+ and Sm3+ doped barium borate phosphors synthesized by solution combustion process.	Prof. DEJENE, Francis
[221] Dependance of central spot sixe, propagation distance, and number of rings of a Bessel beam on the axicon's apex angle.	Ms RATSIBI, Edzani
[154] Effect of synthesis temperature on the structure, morphology and optical properties of PbS nanoparticles prepared by chemical bath deposition method	Mr KOAO, Lehlohonolo
[112] YVO4:Eu3+ thin films prepared by PLD	Ms FOKA, Kewele Emily
[44] Effects of Cr3+ ions concentration in Cr-doped ZnAl2O4 nanocrystals synthesized using sol-gel process	Mr MOTLOUNG, Setumo Victor
[42] Assessment of Neutron-Irradiated 3C-SiC	Prof. ENGELBRECHT, Japie
[5] Room Temperature and High Temperature Ion Implantation of Cadmium (Cd) in Glassy Carbon: Diffusion behaviour and Raman Analysis.	Mr SEBITLA, LESOLLE
[484] SSC-DFTB parameterization of Pd and TiO ₂ systems	Ms CHUMA, Moyahabo Hellen
[482] computer modelling studies of pressure dependance on cobalt pentlandite mineral	Ms MPHAHLELE, Mallasaitiwa
[475] Photoluminescence properties of rare-earths and manganese doped strontium aluminate phosphors prepared by combustion method.	Mr MMAKGABO, Manaka