

Web of Science

Record (1-24)

- Title:** Impact of PBL and convection parameterization schemes for prediction of severe land-falling Bay of Bengal cyclones using WRF-ARW model
Author(s): Singh, KS (Singh, K. S.); Bhaskaran, PK (Bhaskaran, Prasad K.)
Source: JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS Volume: 165 Pages: 10-24
DOI: 10.1016/j.jastp.2017.11.004
Published: DEC 2017
- Title:** Zr-doped SnO₂ thin films synthesized by spray pyrolysis technique for barrier layers in solar cells
Author(s): Reddy, NNK (Reddy, N. Nanda Kumar); Akkera, HS (Akkera, Harish Sharma); Sekhar, MC (Sekhar, M. Chandra); Park, SH (Park, Si-Hyun)
Source: APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 123 Issue: 12 Article Number: 761
DOI: 10.1007/s00339-017-1391-6
Published : DEC 2017
- Title:** Analysis of clustered QoS routing protocol for distributed wireless sensor network
Author(s): Lakshmi, NVSSR (Lakshmi, N. V. S. Sree Rathna); Babu, S (Babu, S.); Bhalaji, N (Bhalaji, N.)
Source: COMPUTERS & ELECTRICAL ENGINEERING Volume: 64 Pages: 173-181
DOI: 10.1016/j.compeleceng.2016.11.019
Published: NOV 2017
- Title:** Experimental Investigation and Optimization of Machining Process Parameters in AISI D2 Steel Under Conventional EDM and Cryogenically Cooled EDM Process
Author(s): VinothKumar, S (VinothKumar, S.); PradeepKumar, M (PradeepKumar, M.)
Source: TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS Volume: 70 Issue: 9 Pages: 2293-2301
DOI: 10.1007/s12666-017-1092-z
Published: NOV 2017
- Title:** Experimental and parametric studies of Nd:YAG laser drilling on austenitic stainless steel
Author(s): Rajesh, P (Rajesh, P.); Nagaraju, U (Nagaraju, U.); Gowd, GH (Gowd, G. Harinath); Vardhan, TV (Vardhan, T. Vishnu)
Source: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 93 Issue: 1-4 Pages: 65-71
DOI: 10.1007/s00170-015-7639-4
Published: OCT 2017
- Title:** Role of interfacial oxide layer thickness and annealing temperature on structural and electronic properties of Al/Ta₂O₅/TiO₂/Si metal-insulatorsemiconductor structure
Author(s): Sekhar, MC (Sekhar, M. Chandra); Reddy, NNK (Reddy, Nallabala Nanda Kumar); Akkera, HS (Akkera, Harish Sharma); Reddy, BP (Reddy, B. Purusottam); Rajendar, V (Rajendar, V.); Uthanna, S (Uthanna, S.); Park, SH (Park, Si-Hyun)
Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 718 Pages: 104-111
DOI: 10.1016/j.jallcom.2017.05.119
Published: SEP 25 2017

7. **Title:** Real-Time Analysis of a Modified State Observer for Sensorless Induction Motor Drive Used in Electric Vehicle Applications
Author(s): Krishna, SM (Krishna, Mohan S.); Daya, JLF (Daya, Febin J. L.); Padmanaban, S (Padmanaban, Sanjeevikumar); Mihet-Popa, L (Mihet-Popa, Lucian)
Source: ENERGIES Volume: 10 Issue: 8 Article Number: 1077
DOI: 10.3390/en10081077
Published: AUG 2017
8. **Title:** Design of Efficient Power Amplifier Models Using 16-QAM
Author(s): Swaminathan, JN (Swaminathan, J. N.); Kumar, P (Kumar, P.)
Source: WIRELESS PERSONAL COMMUNICATIONS Volume: 95 Issue: 3 Pages: 3003-3012
DOI: 10.1007/s11277-017-3981-1
Published: AUG 2017
9. **Title:** Design of Efficient Power Amplifier Models Using 16-QAM
Author(s): Swaminathan, JN (Swaminathan, J. N.); Kumar, P (Kumar, P.)
Source: WIRELESS PERSONAL COMMUNICATIONS Volume: 95 Issue: 3 Pages: 3003-3012
DOI: 10.1007/s11277-017-3981-1
Published: AUG 2017
10. **Title:** Influence of Sm Doping on the Structural, Optical, and Magnetic Properties of ZnO Nanopowders
Author(s): Sekhar, MC (Sekhar, M. Chandra); Chalapathi, U (Chalapathi, U.); Smitha, VKM (Smitha, V. K. Madhu); Poojitha, PT (Poojitha, P. T.); Uthanna, S (Uthanna, S.); Poornaprakash, B (Poornaprakash, B.)
Source: JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM Volume: 30 Issue: 7 Pages: 1937-1941
DOI: 10.1007/s10948-017-3992-x
Published: JUL 2017
11. **Title:** Computational study of non-Newtonian Eyring-Powell fluid from a vertical porous plate with biot number effects
Author(s): Gaffar, SA (Gaffar, S. Abdul); Prasad, VR (Prasad, V. Ramachandra); Vijaya, B (Vijaya, Bhuvana)
Source: JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING Volume: 39 Issue: 7 Pages: 2747-2765
DOI: 10.1007/s40430-017-0761-5
Published: JUL 2017
12. **Title:** Computational modeling of magnetohydrodynamic convection from a rotating cone in orthotropic Darcian porous media
Author(s): Beg, OA (Beg, O. Anwar); Prasad, VR (Prasad, V. R.); Vasu, B (Vasu, B.); Gorla, RSR (Gorla, R. S. R.)
Source: JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING Volume: 39 Issue: 6 Pages: 2035-2054
DOI: 10.1007/s40430-017-0708-x
Published: JUN 2017
13. **Title:** In pursuit of catalytic cathodes for lithium-oxygen batteries
Author(s): Eftekhari, A (Eftekhari, Ali); Ramanujam, B (Ramanujam, Balaji)
Source: JOURNAL OF MATERIALS CHEMISTRY A Volume: 5 Issue: 17 Pages: 7710-7731
DOI: 10.1039/c7ta01124e
Published: MAY 7 2017

14. **Title:** Thickness Dependent Structural and Electrical Properties of Magnetron Sputtered Nanostructured CrN Thin Films
Author(s): Akkera, HS (Akkera, Harish Sharma); Reddy, NNK (Reddy, Nallabala Nanda Kumar); Sekhar, MC (Sekhar, Musalikunta Chandra)
Source: MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS Volume: 20 Issue: 3 Pages: 712-717
DOI: 10.1590/1980-5373-MR-2016
Published: MAY-JUN 2017
15. **Title:** Enhanced resistive switching characteristics in Pt/BaTiO₃/ITO structures through insertion of HfO₂:Al₂O₃ (HAO) dielectric thin layer
Author(s): Silva, JPB (Silva, J. P. B.); Faita, FL (Faita, F. L.); Kamakshi, K (Kamakshi, K.); Sekhar, KC (Sekhar, K. C.); Moreira, JA (Agostinho Moreira, J.); Almeida, A (Almeida, A.); Pereira, M (Pereira, M.); Pasa, AA (Pasa, A. A.); Gomes, MJM (Gomes, M. J. M.)
Source: SCIENTIFIC REPORTS Volume: 7 Article Number: 46350
DOI: 10.1038/srep46350
Published: APR 11 2017
16. **Title:** ZnS nanoparticles capped with watermelon rind extract and their potential application in dye degradation
Author(s): Lakshmipathy, R (Lakshmipathy, R.); Kesarla, MK (Kesarla, Mohan Kumar); Nimmala, AR (Nimmala, Anvesh Reddy); Godavarthi, S (Godavarthi, Srinivas); Kukkambakam, CM (Kukkambakam, Chandra Mohan); Gomez, LM (Gomez, Lorenzo Martinez); Sarada, NC (Sarada, N. C.)
Source: RESEARCH ON CHEMICAL INTERMEDIATES Volume: 43 Issue: 3 Pages: 1329-1339
DOI: 10.1007/s11164-016-2700-y
Published: MAR 2017
17. **Title:** Synthesis and Characterization of ZnS, Zn_{0.96}Eu_{0.04}S, and Zn_{0.95}Eu_{0.04}Tb_{0.01}S Nanoparticles
Author(s): Poornaprakash, B (Poornaprakash, B.); Chalapathi, U (Chalapathi, U.); Sekhar, MC (Sekhar, M. Chandra); Smitha, VK (Madhu Smitha, V. K.); Poojitha, PT (Poojitha, P. T.)
Source: JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM Volume: 30 Issue: 2 Pages: 529-532
DOI: 10.1007/s10948-016-3802-x
Published: FEB 2017
18. **Title:** Light controlled resistive switching and photovoltaic effects in ferroelectric 0.5Ba(Zr_{0.2}Ti_{0.8})O₃-0.5(Ba_{0.7}Ca_{0.3})TiO₃ thin films
Author(s): Silva, JPB (Silva, J. P. B.); Kamakshi, K (Kamakshi, K.); Sekhar, KC (Sekhar, K. C.); Novoa, XR (Novoa, X. R.); Queiros, EC (Queiros, E. C.); Moreira, JA (Agostinho Moreira, J.); Almeida, A (Almeida, A.); Pereira, M (Pereira, M.); Tavares, PB (Tavares, P. B.); Gomes, MJM (Gomes, M. J. M.)
Source: JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 37 Issue: 2 Pages: 583-591
DOI: 10.1016/j.jeurceramsoc.2016.09.011
Published: FEB 2017
19. **Title:** STUDY OF DECAY CHARACTERISTICS OF RECTANGULAR AND ELLIPTICAL SUPERSONIC JETS
Author(s): Mohanta, PK (Mohanta, Prasanta Kumar); Sridhar, BTN (Sridhar, B. T. N.)
Source: THERMAL SCIENCE Volume: 21 Issue: 6 Pages: 3001-3010

DOI: 10.2298/TSCI151224214M Part: B

Published: 2017

20. **Title:** Hydromagneto quadratic natural convection on a lid driven square cavity with isothermal and non-isothermal bottom wall
Author(s): Venkatadri, K (Venkatadri, K.); Mohiddin, SG (Mohiddin, Gouse S.); Reddy, MS (Reddy, Suryanarayana M.)
Source: ENGINEERING COMPUTATIONS Volume: 34 Issue: 8 Pages: 2463-2478
DOI: 10.1108/EC-06-2017-0204
Published: 2017
21. **Title:** Smart Health Surveillance with Automated Database Using Android Mobile Device
Author(s): Karthi, A (Karthi, Anitha); Rajendran, R (Rajendran, Rajkamal); Mathiarasan, P (Mathiarasan, Poomanirajan)
Source: BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY Volume: 60 Article Number: e17160723
Published: JAN-DEC 2017
22. **Title:** Armored Urease: Enzyme-Bioconjugated Poly(acrylamide) Hydrogel as a Storage and Sensing Platform
Author(s): Kunduru, KR (Kunduru, Konda R.); Kutcherlapati, SNR (Kutcherlapati, S. N. Raju); Arunbabu, D (Arunbabu, Dhamodaran); Jana, T (Jana, Tushar)
Edited by: Kumar CV
Source: NANOARMORING OF ENZYMES: RATIONAL DESIGN OF POLYMER-WRAPPED ENZYMES Book Series: Methods in Enzymology Volume: 590 Pages: 143-167
DOI: 10.1016/bs.mie.2017.02.008
Published: 2017
23. **Title:** An analysis of decision - making structure for self-organizing system based on software engineering
Author(s): Babu, S (Babu, S.); Lakshmi, NVSSR (Lakshmi, N. V. S. Sree Rathna); Sivakumar, B (Sivakumar, B.)
Source: COMPUTERS & ELECTRICAL ENGINEERING Volume: 57 Pages: 81-90
DOI: 10.1016/j.compeleceng.2016.12.017
Published: JAN 2017
24. **Title:** Magnetohydrodynamic free convection boundary layer flow of non-Newtonian tangent hyperbolic fluid from a vertical permeable cone with variable surface temperature
Author(s): Gaffar, SA (Gaffar, S. Abdul); Prasad, VR (Prasad, V. Ramachandra); Reddy, SK (Reddy, S. Keshava); Beg, OA (Beg, O. Anwar)
Source: JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING Volume: 39 Issue: 1 Pages: 101-116
DOI: 10.1007/s40430-016-0611-x
Published: JAN 2017