

**Record 1 of 20**

**Title:** Effect of Cr addition on the structural, magnetic and mechanical properties of magnetron sputtered Ni-Mn-In ferromagnetic shape memory alloy thin films

**Author(s):** Akkera, HS (Akkera, Harish Sharma); Kaur, D (Kaur, Davinder)

**Source:** APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 122 Issue: 12 Article Number: 996

**DOI:** 10.1007/s00339-016-0528-3

**Published:** DEC 2016

**Document Type:** Article

**Record 2 of 20**

**Title:** Synthesis of silver nanoparticles by endosymbiont *Pseudomonas fluorescens* CA 417 and their bactericidal activity

**Author(s):** Syed, B (Syed, Baker); Prasad, MNN (Prasad, Nagendra M. N.); Dhananjaya, BL (Dhananjaya, B. L.); Kumar, KM (Mohan Kumar, K.); Yallappa, S (Yallappa, S.); Satish, S (Satish, S.)

**Source:** ENZYME AND MICROBIAL TECHNOLOGY Volume: 95 Special Issue: SI Pages: 128-136

**DOI:** 10.1016/j.enzmictec.2016.10.004

**Published:** DEC 2016

**Document Type:** Article

**Record 3 of 20**

**Title:** Structural, optical and electrical properties of DC reactive magnetron sputtered (Ta<sub>2</sub>O<sub>5</sub>)(1-x)(TiO<sub>2</sub>)<sub>x</sub> thin films

**Author(s):** Sekhar, MC (Sekhar, M. Chandra); Reddy, NNK (Reddy, N. Nanda Kumar); Verma, VK (Verma, V. K.); Uthanna, S (Uthanna, S.)

**Source:** CERAMICS INTERNATIONAL Volume: 42 Issue: 16 Pages: 18870-18878

**DOI:** 10.1016/j.ceramint.2016.09.034

**Published:** DEC 2016

**Document Type:** Article

**Record 4 of 20**

**Title:** Green synthesis of hausmannite nanocrystals and their photocatalytic dye degradation and antimicrobial studies

**Author(s):** Kumar, KM (Mohan Kumar, K.); Godavarthi, S (Godavarthi, S.); Velez, EV (Vazquez Velez, E.); Diaz, MC (Casales Diaz, M.); Mahendhiran, M (Mahendhiran, M.); Hernandez-Eligio, A (Hernandez-Eligio, A.); Rao, MGS (Syamala Rao, M. G.); Gomez, LM (Martinez Gomez, L.)

**Source:** JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY Volume: 80 Issue: 2 Pages: 396-401

**DOI:** 10.1007/s10971-016-4136-7

**Published:** NOV 2016

Document Type: Article

#### Record 5 of 20

**Title:** Phosphine and palladium-free synthesis of aryl and alkenyl boronates: A nano-catalytic approach

**Author(s):** Mohan, B (Mohan, Balaji); Kang, H (Kang, Hyuntae); Park, KH (Park, Kang Hyun)

**Source:** CATALYSIS COMMUNICATIONS Volume: 85 Pages: 61-65

**DOI:** 10.1016/j.catcom.2016.07.014

**Published:** OCT 5 2016

Document Type: Article

#### Record 6 of 20

**Title:** Video Coding Technique with Multi Objective Particle Swarm Optimization and EZW

**Author(s):** Thamarai, M (Thamarai, M.); Shanmugalakshmi, R (Shanmugalakshmi, R.)

**Source:** JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY Volume: 11 Issue: 5 Pages: 1404-1411

**DOI:** 10.5370/JEET.2016.11.5.1404

**Published:** SEP 2016

Document Type: Article

#### Record 7 of 20

**Title:** Mechanistic studies on degradation in sliding wear behavior of IN718 and Hastelloy X superalloys at 500 degrees C

**Author(s):** Thirugnanasambantham, KG (Thirugnanasambantham, K. G.); Natarajan, S (Natarajan, S.)

**Source:** TRIBOLOGY INTERNATIONAL Volume: 101 Pages: 324-330

**DOI:** 10.1016/j.triboint.2016.04.016

**Published:** SEP 2016

Document Type: Article

#### Record 8 of 20

**Title:** Synthesis of WS<sub>2</sub> and WSe<sub>2</sub> nanowires on stainless steel coupon by reaction under autogenic pressure at elevated temperature method

**Author(s):** Yuvasravan, R (Yuvasravan, R.); Apsana, G (Apsana, G.); George, PP (George, P. P.); Genish, I (Genish, I.); Maklouf, SB (Maklouf, Shirly ben-David); Koltypin, Y (Koltypin, Y.); Gedanken, A (Gedanken, A.)

**Source:** APPLIED NANOSCIENCE Volume: 6 Issue: 6 Pages: 855-862

**DOI:** 10.1007/s13204-015-0503-x

**Published:** AUG 2016

**Document Type:** Article

### Record 9 of 20

**Title:** Mechanochemical Synthesis of Active Magnetite Nanoparticles Supported on Charcoal for Facile Synthesis of Alkynyl Selenides by C-H Activation

**Author(s):** Mohan, B (Mohan, Balaji); Park, JC (Park, Ji Chan); Park, KH (Park, Kang Hyun)

**Source:** CHEMCATCHEM Volume: 8 Issue: 14 Pages: 2345-2350

**DOI:** 10.1002/cctc.201600280

**Published:** JUL 20 2016

**Document Type:** Article

### Record 10 of 20

**Title:** A long-term study on the deletion criterion of questionable electron density profiles caused by ionospheric irregularities - COSMIC radio occultation technique

**Author(s):** Uma, G (Uma, G.); Brahmanandam, PS (Brahmanandam, P. S.); Chu, YH (Chu, Y. H.)

**Source:** ADVANCES IN SPACE RESEARCH Volume: 57 Issue: 12 Pages: 2452-2463

**DOI:** 10.1016/j.asr.2016.03.034

**Published:** JUN 15 2016

**Document Type:** Article

### Record 11 of 20

**Title:** Cluster Based Secure Dynamic Keying Technique for Heterogeneous Mobile Wireless Sensor Networks

**Author(s):** Kesavan, VT (Kesavan, Thirupathy, V); Radhakrishnan, S (Radhakrishnan, S.)

**Source:** CHINA COMMUNICATIONS Volume: 13 Issue: 6 Pages: 178-194

**DOI:** 10.1109/CC.2016.7513213

**Published:** JUN 2016

**Document Type:** Article

### Record 12 of 20

**Title:** Influence of Multi-pass Friction Stir Processing on Microstructure and Mechanical Properties of Die Cast Al-7Si-3Cu Aluminum Alloy

**Author(s):** Baruch, LJ (Baruch, L. John); Raju, R (Raju, R.); Balasubramanian, V (Balasubramanian, V.); Rao, AG (Rao, A. G.); Dinaharan, I (Dinaharan, I.)

**Source:** ACTA METALLURGICA SINICA-ENGLISH LETTERS Volume: 29 Issue: 5 Pages: 431-440

**DOI:** 10.1007/s40195-016-0405-2

**Published:** MAY 2016

**Document Type:** Article

### Record 13 of 20

**Title:** Mathematical Study of Laminar Boundary Layer Flow and Heat Transfer of Tangenthyperbolic Fluid Pasta Vertical Porous Plate with Biot Number Effects

**Author(s):** Prasad, VR (Prasad, V. Ramachandra); Gaffar, SA (Gaffar, S. Abdul); Beg, OA (Beg, O. Anwar)

**Source:** JOURNAL OF APPLIED FLUID MECHANICS Volume: 9 Issue: 3 Pages: 1297-1307 Part: 2

**Published:** MAY 2016

**Document Type:** Article

### Record 14 of 20

**Title:** F-2 region response to geomagnetic disturbances across Indian latitudes: O(S-1) dayglow emission

**Author(s):** Upadhayaya, AK (Upadhayaya, A. K.); Gupta, S (Gupta, Sumedha); Brahmanandam, PS (Brahmanandam, P. S.)

**Source:** JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS Volume: 121 Issue: 3 Pages: 2595-2620

**DOI:** 10.1002/2015JA021366

**Published:** MAR 2016

**Document Type:** Article

### Record 15 of 20

**Title:** Non-Similar Computational Solution for Boundary Layer Flows of Non-Newtonian Fluid from an Inclined Plate with Thermal Slip

**Author(s):** Rao, AS (Rao, A. Subba); Prasad, VR (Prasad, V. Ramachandra); Nagendra, N (Nagendra, N.); Reddy, NB (Reddy, N. Bhaskar); Beg, OA (Beg, O. Anwar)

**Source:** JOURNAL OF APPLIED FLUID MECHANICS Volume: 9 Issue: 2 Pages: 795-807 Part: 2

**Published:** MAR 2016

**Document Type:** Article

### Record 16 of 20

**Title:** Certain Study on Improvement of Bandwidth in 3 GHz Microstrip Patch Antenna Designs and Implemented on Monostatic Radar Approach for Breast Cancer Diagnosis in Microwave Imaging System

**Author(s):** Sakthisudhan, K (Sakthisudhan, K.); Kumar, NS (Kumar, N. Saravana)

**Source:** JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS Volume: 25 Issue: 2 Article Number: 1650006

**DOI:** 10.1142/S0218126616500067

**Published:** FEB 2016

**Document Type:** Article

### Record 17 of 20

**Title:** Free Convection Flow and Heat Transfer of Tangent Hyperbolic past a Vertical Porous Plate with Partial Slip

**Author(s):** Prasad, VR (Prasad, V. Ramachandra); Gaffar, SA (Gaffar, S. Abdul); Beg, OA (Beg, O. Anwar)

**Source:** JOURNAL OF APPLIED FLUID MECHANICS Volume: 9 Issue: 4 Pages: 1667-1678

**Published:** 2016

**Document Type:** Article

### Record 18 of 20

**Title:** Peristaltic Pumping of a Casson Fluid in an Elastic Tube

**Author(s):** Vajravelu, K (Vajravelu, K.); Sreenadh, S (Sreenadh, S.); Devaki, P (Devaki, P.); Prasad, KV (Prasad, K. V.)

**Source:** JOURNAL OF APPLIED FLUID MECHANICS Volume: 9 Issue: 4 Pages: 1897-1905

**Published:** 2016

**Document Type:** Article

### Record 19 of 20

**Title:** Cerebrovascular disorder diagnosis using MR angiography

**Author(s):** Krishnan, GH (Krishnan, G. Hari); Umashankar, G (Umashankar, G.); Abraham, S (Abraham, Sheeba)

**Source:** BIOMEDICAL RESEARCH-INDIA Volume: 27 Issue: 3 Pages: 773-775

**Published:** 2016

**Document Type:** Article

### Record 20 of 20

**Title:** THERMAL RADIATION EFFECTS ON NON-NEWTONIAN FLUID IN A VARIABLE POROSITY REGIME WITH PARTIAL SLIP

**Author(s):** Rao, AS (Rao, A. Subba); Prasad, VR (Prasad, V. Ramachandra); Harshavalli, K (Harshavalli, K.); Beg, OA (Beg, O. Anwar)

**Source:** JOURNAL OF POROUS MEDIA Volume: 19 Issue: 4 Pages: 313-329

**DOI:** 10.1615/JPorMedia.v19.i4.30

**Published:** 2016