2014

1. V. Arivazhagan, M. Manonmani Parvathi, S. Rajesh, Complementary NIR absorption of ZnSe induced by multiple PbSe submonolayers by vacuum deposition technique, *Vacuum* (Rapid communication), 99 (2014) 95-98


8. Structural, luminescence and magnetic properties of Mn doped ZnO thin films using spin coating technique, A.Ali Fatima, Suganthi Devadason, T.Mahalingam, Journal of Materials Science; Materials in Electronics, DOI 10.1007/s10854-014-2040-x, May 2014

2013


15. V. Arivazhagan, M. Manonmani Parvathi, S. Rajesh, Study on the formation of PbSe nanoclusters at the interfaces of PbSe/ZnSe multiple quantum well structures, Physica E, 53 (2013) 120-123

16. Structural, compositional and optical analysis of InAs$_x$Sb$_{1-x}$ crystals grown by vertical directional solidification method

M. Haris, Y. Hayakawa, F. C. Chou, P. Veeramani and S. Moorthy babu

17. Antimicrobial activity and second harmonic studies on organic noncentrosymmetric puer and doped ninhydrin single crystals, T. Prasanyaa, V. Jayaramakrishnan and M. Haris
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Vol.102, 2013, 110-113

18. Studies on solution-grown pure and doped Sodium Potassium tartrate crystals

V. Mathivanan and M. Haris
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
Volume 102, February 2013, Pages 341–349

19. Investigation on sodium potassium bitartrate crystals grown in silica gel and its characterization

V. Mathivanan and M. Haris, Optik - International Journal for Light and Electron Optics
Available online 27 May 2013

20. A Comparative Study on the Optical Properties of MultilayerCdSe / CdTe Thin Film with Single Layer CdTe and CdSe Films

Kumar, M. M. D. Devadason, S. Journal of Nano- and Electronic Physics 5 (3) , art. no. 03007 (2013)

21. Characterization of pure and copper-doped iron tartrate crystals grown in silica gel

V. Mathivanan and M. Haris
Pramana journal of physics, Vol. 81, No. 1 July 2013 pp. 177–187

22. Electrochemical growth and characterization of lead sulphide thin films.

Thanikaikarasan, S., Mahalingam, T., Veeramuthumari, S., Ixtilco, L.
Journal of New Materials for Electrochemical Systems, Volume 16, 2013, Pages 133-137


25. Electrical and dielectric behavior of nano-bio ceramic filler incorporated polymer electrolytes for rechargeable lithium batteries.
Journal of New Materials for Electrochemical Systems Volume 16, 2013, Pages 115-120


30. Optical and magnetic properties of Mn doped ZnO thin films grown by SILAR method.
Balamurali, S., Chandramohan, R., Suriyamurthy, N., Parameswaran, P., Karunakaran, M., Dhanasekaran, V., Mahalingam, T.
Journal of Materials Science: Materials in Electronics Volume 24, June 2013, Pages 1782-1787


35. MV Reddy, A Sakunthala, S SelvashekaraPandian, BVR Chowdari, Preparation, Comparative Energy Storage Properties, and Impedance Spectroscopy Studies of Environmentally Friendly Cathode, Li (MMn11/6) O4 (M= Mn1/6, Co1/6,(Co1/12Cr1/12)), The Journal of Physical Chemistry C 2013, 117 (18), 9056-9064


41. Post Heat Treatment Effect on Electrochemically Synthesized CuO Thin Films
V. Dhanasekaran, T. Mahalingam, and R. Chandramohan

42. Synthesis, structural, spectroscopic and optical studies of charge transfer complex salts.
Manikandan, M., Mahalingam, T., Hayakawa, Y., Ravi, G.
Spectrochimica Acta – Part A: Molecular and Biomolecular Spectroscopy
Volume 101, 15 January 2013, Pages 178-183

43. Effect of Cadmium Sulphate Concentrations on CdS Thin Films
T. Mahalingam, V. Dhanasekaran, Suganthi Devadason and G. Ravi
ECS Trans. 45 (2013) 55-60

44. SEM and AFM studies of dip-coated CuO nanofilms.
Dhanasekaran, V., Mahalingam, T., Ganesan, V., Microscopy Research and Technique
Volume 76, January 2013, Pages 58-65

45. Physical properties evaluation of annealed ZnAl2O4 alloy thin films.
Chandramohan, R., Dhanasekaran, V., Arumugam, R., Sundaram, K., Thirumalai, J., Mahalingam, T., Digest Journal of Nanomaterials and Biostuctures


49. Study on the formation of PbSe nanoclusters at the interfaces of PbSe/ZnSe multiple quantum well structures.” Arivazhagan.V, Manonmani Parvathi M, Rajesh S, Physica E 53 (2013) 120-123


57. Growth and characterization of electroplated copper selenide thin films.
   Ramesh, K., Bharathi, B.,Thanikaikarasan, S., Mahalingam, T.,Sebastian, P.J.


58.

60. Structural and optical properties of CdTe/CdSe heterostructure multilayer thin films prepared by physical vapor deposition technique, M. Melvin David Kumar & Suganthi Devadason, Applied Nanoscience, 8, Aug 2012, DOI : 10.1007/s13204-012-0150-4. [Springer Journal]


70. Growth and characterization study of Ammonium dihydrogen phosphate, potassium dihydrogen phosphate single crystals
Synergy-IAESTE series, Amgalan, T. Prasanyaa and M. Haris, 2012, 18-23
71. Growth and characterization of semiorganic NLO L-Arginine trifluoroacetate (LATF) added ADP single crystals M. Amgalan, T. Prasanyaa and M. Haris
79. Electrochemical and physical properties of electrodeposited CuO thin films
V. Dhanasekaran and T. Mahalingam
J. Nano Science and Nanotechnology 12 (2012) 1-10
81. A.Ali Fatima and Suganthi Devadason,” Effect of open-air and hybrid annealing on the structural and optical properties of ZnO thin films” Karunya Journal of Research, September 2011, Volume 3 Issue 1 Pages 17to 25
84. J.Suryakanth V.Arivazhagan, M.Manonmani Parvathi, S.Rajesh, Functionalization of MWCNT with SnO₂ through sol gel route, Journal of optoelectronics and biomaterials, 3(2) (2011) 31-38
88. V.Arivazhagan, S.Rajesh, Influence of In/Sn ratio on nanocrystalline Indium Tin Oxide thin films by spray pyrolysis method, Archives of Physics research, 2(1) (2011) 19-25
89. V.Arivazhagan, M.Manonmani Parvathi, S.Rajesh, Photoluminescence analysis on vacuum deposited PbSe multilayer thin films, Archives of Physics research, 2(1) (2011) 48-53
90. K.Vadivel, V.Arivazhagan, S.Rajesh, Room temperature ferromagnetism in Mn/Ni co-doped SnO₂ based nanocrystalline DMS, International journal of applied Physics, 1(2) (2011) 129-135


2010


106. V.Arivazhagan, S.Rajesh, Hall measurements on thermally evaporated PbSe multilayer thin films and effect of substrate temperature, Chalcogenide letters, 7(9) (2010) 547-551


