APPENDIX - 1

PUBLICATIONS

Papers Published by NPL Scientists During April 2007 – March 2008

Publication in SCI Journals


Appendix - 1, Publications


129. Mudgel M., Awana V. P. S., Kishan H. and Bhalla G. L., “Aluminium substitution induced superstructures in Mg₁₋ₓAlₓB₂ (x=0.0 to 0.50): An X-ray diffraction study”, Physica C-Superconductivity and Its Applications 467 (Dec 2007): 31-37.


166. Schlesier K., Awana V. P. S., Shah J., Kishan H., Felner I., Narlikar A. V. and Laiho R., “Magnetization and ferromagnetic resonance (FMR) studies on RuSr$_2$(Eu$_{1.5}$Ce$_{0.5}$)$_3$Cu$_2$O$_{10}$ magneto-superconductor”, Physica C-Superconductivity and Its Applications 460 (Sep 2007): 513-515.


169. Sen V., Panwar N., Rao A., Hsu C. K., Kuo Y. K. and Agarwal S. K., “Magnetotransport and thermoelectric power of La$_{2/3}$Ba$_{1/3}$Mn$_{0.8}$Sb$_{0.2}$O$_3$ (x=0-0.05) manganite perovskites”, Solid State Communications 145 (Jan 2008): 86-90.


Appendix - 1, Publications


208. Tripathi R., Awana V. P. S., Kishan H., Balamurugan S. and Bhalla G. L., “Impact of silver addition on room temperature magneto-resistance in La0.7Ba0.3MnO3 (LBMO): Ag-x (x=0.0, 0.1, 0.2, 0.3, 0.4)”, *Journal of Superconductivity and Novel Magnetism* 21 (Feb 2008): 151-159.


Appendix - 1, Publications

Publications in Other Journals


36. Baraniraj T., Philominathan P. and Vijayan N., “Growth and Characterization of new nonlinear optical material, Bis Glycine Sodium Acetate (BGSA), Regional level Seminar on Crystal Growth and Nanoscience held at Dept. of Physics, Aditanar College of Arts and Science”, Tiruchendur, during 30, 31st August –1st September 2007, Page No. 63.


39. Bhatia G., Raman V. and Sengupta P. R. “Carbon-ceramics composites for high temperature applications” Proceedings of 6th International conference on high temperature ceramic matrix composites (HTCMC-6) and advanced ceramic materials and technologies for 21st century (ACMT-2007) held at India Habitat Center, New Delhi on Sept. 4-7,2007 organised by Department of Materials Science, Sardar Patel University,Vallabh Vidya Nagar.

40. Bhatia G., Raman V., Sengupta P.R., Anil Kumar, Sandeep Kumar and Babu S. “Development of green coke based high density - high strength –isotropic graphite for aeronautical applications”, Proceedings of 23rd National convention of chemical engineers on recent trends in chemical engineering held on October 5-7, 2007 at IIT, Roorkee.


61. Haranath D., Sahai Sonal., Chawla Santa., Chander Harish., Singh Sukhvir., “Effect of refractive index of the medium on the luminescence of ZnO:Li quantum dots.” International Conference on Advanced Materials and Applications (ICAMA-2007) held at Shivaji University Kolhapur, India from November 15-17, 2007, p.89


Appendix - 1, Publications


84. Khan A.F., Yadav Ravishanker., Chander Harish., Chawla Santa and Haranath D., “Improved Optical Response of BaMgAl$_{10}$O$_{17}$: Eu$^{2+}$ Phosphor by Surface Modification” International conference on Advanced Materials and Applications (ICAMA-2007) held at Shivaji University Kolhapur, India from November 15-17, 2007, p.210


125. Praveen V.N., Vijayan N. and Mahadevan C.K., “Studies on the Optical and mechanical behaviors of doped zinc thiourea sulphate single crystal, Regional level Seminar on Crystal Growth and Nanoscience held at Dept. of Physics”, Aditanar College of Arts and Science, Tiruchendur, during 30,31$^a$ August –1$^a$ September 2007, Page No. 52.


137. Sahai Sonal., Haranath D., Joshi Prach., Chawla Santa., Chander Harish and Gupta Bipin Kumar., “Primary Color Emissions from Sulfide Based Quantum Confined Nanophosphors.” International Conference on Luminescence and its Applications (ICLA-2008) held at National Physical Laboratory, New Delhi, India from February 13-16, 2008


139. Sarkar S K and Anil Kumar., “Recent studies on cloud and precipitation phenomena for propagation characteristics over India”, Indian J Radio & Space Physics, 36, 502-513, 2007


143. Shahzada Ahmad., and Singh S., “Carbon nanotubes functionalized poly (methyl pyrrole) derive from water proof ionic liquid for electrochromic applications”, International Workshop on Advanced Polymer Science and Turbulent Drag Reduction, 10-20 March, ICTP, Italy.


149. Singh G., Prakash G. V. and Biradar A. M. “Novelty of positive dielectric ferroelectric liquid crystal for photonic applications. 14th National conference on Liquid crystals; Dept. of Physics”, University of North Bengal, Siliguri, North Bengal, India, Dec. 17-19, 2007.


