

CURRICULUM VITAE

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Education

- Ph. D.: Metallurgical and Materials Engineering, Indian Institute of Technology Kharagpur, India (Thesis is being submitted, 2011).
- M.Tech.: Nanoscience and Nanotechnology, Jadavpur University, Kolkata, India (2006).
- M.Sc.: Electronics Science, Calcutta University, Kolkata, India (2003).
- B.Sc.: Electronics (H), Acharya Prafulla Chandra College, New Barrackpore (2001).

List of publications based on this thesis

1. **Ranjan Sen**, Ashutosh Sharma, Sumit Bhattacharya, Siddhartha Das, Karabi Das, 2010, Synthesis and characterization of pulse co-electrodeposited nickel/ceria nanocomposite, Journal of Nanoscience and Nanotechnology, Vol. 10, pp. 4998-5003.
2. **Ranjan Sen**, Siddhartha Das, Karabi Das, 2010, Effect of surfactant on the co-elctrodeposition of the nano-sized ceria particle in the nickel matrix, Journal of Alloys and Compounds, Vol. 489, pp. 650-658.
3. **Ranjan Sen**, Siddhartha Das, Karabi Das, 2010, Effect of current density on the microstructure and hardness of Ni-CeO₂ nanocomposite coating synthesized by pulse electrodeposition technique, Journal of Nanoscience and Nanotechnology, Vol. 10, pp. 8217-8226.
4. **Ranjan Sen**, Siddhartha Das, Karabi Das, 2011, Microstructure characterization of nano-sized ceria powders by XRD analysis, Metallurgical and Materials Transactions A, Vol. 42, pp. 1409-1417.

5. **Ranjan Sen**, Siddhartha Das, Karabi Das, 2011, Effect of stirring rate on the microstructure and microhardness of Ni CeO₂ nanocomposite coating and investigation of the corrosion property, Surface and Coatings Technology, Vol. 205, pp. 3847-3855.
6. **Ranjan Sen**, Siddhartha Das, Karabi Das, 2011, The effect of bath temperature on the crystallite size and microstructure of Ni CeO₂ nanocomposite coating, Materials Characterization, Vol. 62, pp. 257-262.

Other Publication

1. **Ranjan Sen**, Gopes Chandra Das, Siddhartha Mukherjee, X-ray diffraction line profile analysis of nano-sized cobalt in silica matrix synthesized by sol-gel method, 2010, Journal of alloys and compounds, Vol. 490, pp. 515-523.

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1. **Ranjan Sen**, Karabi Das, 2010, Development of Modified Williamson-Hall Plot, Copyright from Govt. of India Copyright Office, Reg. No. SW-4383/2010, Diary No. 8695/2009-CO/SW.