

LIST OF PUBLICATIONS

INTERNATIONAL JOURNAL

- 1 **Balaji S.**, Mutharasu D., Sankara Subramanian N. and Ramanathan K. (2009) 'A review on microwave synthesis of electrode materials for lithium-ion batteries', Published Online 14 may 2009.
- 2 Balaji S., Kalai Selvan R., John Berchmans L., Angappan S., Subramanian K. and Augustin C.O. (2005) 'Combustion synthesis and characterization of Sn^{4+} substituted nanocrystalline NiFe_2O_4 ', Materials Science and Engineering B, Vol. 119, No.2, pp. 119- 124.
- 3 **Balaji S.**, Mutharasu D., Shanmugan S. and Ramanathan K. 'Structural, Electrical and Electrochemical characterization of nano crystalline Nd^{3+} doped LiMn_2O_4 synthesized via co-precipitation', Metallurgy and Materials Transaction A.(Accepted for publication)
- 4 **Balaji S.**, Mutharasu D., Shanmugan S. Sankara Subramanian N. and Ramanathan K. (2009) 'Influence of Sm^{3+} ion in structural, Morphological and electrochemical properties of LiMn_2O_4 synthesized by microwave calcination', Ionics. (Accepted for publication)
- 5 **Balaji S.**, Shanmugan S., Sankara Subramanian N. and Ramanathan K. (2009) 'Structural, Morphological and Electrochemical characterization of Electron-beam deposited $\text{Li}_{1+x}\text{Mn}_2\text{O}_4$ ($x = 0.0, 0.05, 0.1$) thin films', Materials science Poland. (Under revision)
- 6 **Balaji S.**, Shanmugan S., Mutharasu D., Sankara Subramanian N. and Ramanathan K. (2009) 'Comparative study of Structural, Morphological and Electrochemical properties of powder and thin film $\text{LiNd}_{0.05}\text{Mn}_{1.95}\text{O}_4$ ', portugaliae electrochimica acta, (Under revision)
- 7 Balaji S., Shanmugan S., Mutharasu D., Sankara Subramanian N. and Ramanathan K. (2009) 'Review on role of rare earth dopants in capacity amelioration of electrode materials for lithium ion batteries', J. Rare earth. (Under revision)

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- 1 **Balaji S.**, Shanmugan S. and Sankara Subramanian N. (2008) Electron beam evaporation of $\text{Li}_{1+x}\text{Mn}_2\text{O}_4$ synthesized by microwave method and electrochemical behaviour in Aqueous LiNO_3 solution', ISSS 2008 International conference on smart materials structures and systems July 24-26, 2008, Bangalore, India.
- 2 **Balaji S.**, Gowthaman R. and Sankara Subramanian N. (2009) 'Synthesis and characterization of Dysprosium doped by microwave assisted co-precipitation synthesis', International conference on Energy Engineering, Pondicherry Engineering College, Puducherry, India.
- 3 **Balaji S.**, Shanmugan S., Mutharasu D. and Sankara Subramanian N. (2009) 'A study on the neodymium doped LiMn_2O_4 electrode deposited by Electron Beam evaporation' International conference on active and smart materials', Thiagarajar college of Engineering, India.
- 4 Deepak Ram Prasath S., **Balaji S.**, Raju S. and Abhaikumar. V. (2009) 'Evaluation of Magneto dielectric materials through microwave perturbation technique', International conference on active and smart materials, Thiagarajar college of Engineering, India.

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- 1 **Balaji S.**, Arockia Vimal J. and Mutharasu D. (2005) 'An investigation on effect of synthesis in electrochemical behaviour in LiMn_2O_4 in aqueous solutions', Twelfth national convention of Electrochemist, Thiagarajar College of Engineering, Madurai, India
- 2 **Balaji S.**, Shanmugan S. and Sankara Subramanian N. (2009) 'An investigation of Sm^{3+} ion in the structural and electrochemical properties of LiMn_2O_4 ', Emerging materials devices and Technology, Sri Venkateswara University, Tirupati, India