LIST OF PUBLICATIONS
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PAPERS PUBLISHED / COMMUNICATED IN INTERNATIONAL JOURNALS

1. Combustion synthesis of inverse spinel LiNiVO₄ nano-particles using gelatine as the new fuel.
   A.Subramania, N.Angayarkanni, S.N.Karthick and T.Vasudevan
   Materials Letters, 60 (2006) 3023

2. Preparation and electrochemical behaviour of LiMn₂O₄ thin film by spray pyrolysis method
   A.Subramania, S.N.Karthick, N.Angayarkanni

3. Effect of PEG on the formation of nanocrystalline LiMn₂O₄ thin film cathode material in spray pyrolysis method for Li-microbatteries
   S.N.Karthick, G.Vijayakumar, A.Subramania
   Communicated, Materials Letters

4. Preparation of γ⁺ doped nanocrystalline LiMn₂O₄ thin film by polymer spray pyrolysis method
   S.N. Karthick, B.Sureshkannan, A.Subramania

PAPERS PRESENTED IN INTERNATIONAL / NATIONAL CONFERENCES

1. Hexamine combustion for the synthesis of nanocrystalline cubic spinel LiMn₂O₄ powder for lithium ion batteries.
   N.Angayarkanni, S.N.Karthick, R.Gangadharan, T.Vasudevan and A.Subramania

+ Synthesis and characterization of LiCa,Mn2,O4 cathode materials by a sol-gel thermolysis process for Li-ion batteries.
  A.Subramania, N.Angayarkanni, S.N.Karthick and T.Vasudevan
  National Seminar on Emerging Trends and New Vistas in Chemistry (EMTIC-2005), Nov. 29-30, 2005, Organized by Dept. of Chemistry, University of Calicut, Kerala, India.

+ Physical and electrochemical characterization of LiMn2O4 thin film electrode prepared by spray pyrolysis method
  A.Subramania, S.N.Karthick, N.Angayarkanni and T.Vasudevan
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+ Synthesis of Nano-crystalline ZnO powder by a novel polyol-mediated solvothermal process for gas sensor application.
  A.Subramania, S.N.Karthick, G.Vijayakumar and T.Vasudevan
  Indo-Australian symposium on Nanoscience and Nanotechnology, March 31-April 1, 2006, Organized by Indian Institute of Science, Bangalore.

+ A new (PVdF-Co-HFP:MgO) based microporous nanocomposite polymer electrolyte for lithium batteries.
  G.Vijaya kumar, S.N.Karthick and A.Subramania
Spray pyrolytic synthesis of cobalt oxide (Co$_3$O$_4$) thin films with large surface area from cobalt nitrate solutions

S.N. Karthick, P. Mangayarkarasi, A. Subramania

Effect of PEG on the formation of nanocrystalline LiMn$_2$O$_4$ thin film cathode material in spray pyrolysis method for thin film Li-batteries.

S.N. Karthick, G. Vijayakumar, A. Subramania
International Conference on Nanomaterial and its Applications (ICNA-2007), Feb. 4-6, 2007, Organized by Department of Chemistry, National Institute of Technology, Tiruchirappalli, India.

Preparation of Ga doped LiMn$_2$O$_4$ Nanocrystalline thin film cathode materials by sol-gel spin coating technique for Li-ion Microbattery.

S.N. Karthick, N. Suresh, G. Vijayakumar, T. Vasudevan, A. Subramania
National Seminar on Recent Advances in Textile and Electrochemical Sciences (RATES 2007), June 1-2, 2007, Organized by Dept. of Industrial Chemistry, Alagappa University, Karaikudi.

Preparation and characterization of LiGd$_x$Mn$_{2-x}$O$_4$ thin film cathode materials by polymer spin coating technique for rechargeable lithium batteries.

S.N. Karthick, B. Suresh Kannan, G. Vijayakumar, A. Subramania
International Conference on Material Science Research and Nanotechnology (ICMSRN 2008), Feb. 27-29, 2008, Organized by Dept. of Physics, Mother Teresa Women’s University, Kodaikanal.