



Paper Published in International Journal (2008-09)

1. R. K. Nimat, R.S.Joshi, **S. H. Pawar**, "Substrate dependent structural and electrical properties of $\text{Bi}_2\text{Cu}_{0.1}\text{V}_{0.9}\text{O}_{5.35}$ solid electrolyte thin films", **J. Alloys and Compounds** 466 (1-2) 2008, 341-351.
2. R. S. Kalubarme and **S. H. Pawar**, "Electrochemical Processing of Tl-2223 Films with Conducting Heterostructure substrates", **Journal of Alloy and Compounds** 461 (1-2) (2008) 661-666.
3. B. B. Patil, V. Ganesan and **S. H. Pawar**, "Spray Deposited NiO-SDC Composite Thin Film as an Anode for Solid Oxide Fuel Cells ", **Alloys and compound** 460 (2008) 680-687.
4. F. I. Shaikh, R. S. Kalubarme and S. H. Pawar, "Studies on sintering of solid state synthesized $\text{Ba}_{1-x}\text{K}_x\text{BiO}_{3-\square}$ superconducting phase", **Applied Surface Science** 254 (2008) 5772-5775
5. P.M. Shirage, D.D. Shivagan, R.S Kalubarme, V. Ganesan and **S.H. Pawar**, "The Nucleation and Growth Mechanism of the Electrodeposition of $\text{Tl}_2\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ Superconducting Thin Films on Al-Substrate" **Supercond. Sci & Tech.** 21 (2008) 065009.
6. R.S. Kalubarme and **S.H. Pawar**, 'Electrospinning of Nanofibres of Medical Applications: A Review", **MJDYPU** (2008) 8.
7. M.G. Chourashiya, **S.H. Pawar** and L.D. Jadhav, "Synthesis and characterization of $\text{Gd}_{0.1}\text{Ce}_{0.9}\text{O}_{1.95}$ thin films by spray pyrolysis technique," **Applied Surface Science** 254 (11) (2008) 3431-3435
8. M.G. Chourashiya, J.Y. Patil, **S.H. Pawar** and L.D. Jadhav, "Studies on structural, morphological and electrical properties of $\text{Ce}_{1-x}\text{Gd}_x\text{O}_{2-x/2}$," **Materials Chemistry and Physics** 109 (1) (2008) 39-44.
9. R. S. Hyam, K. M. Subhedar and **S. H. Pawar**, "Effect of particle size distribution and Zeta potential on the Electrophoretic deposition of boron films" **Colloids and Surfaces A: Physicochemical and Engineering Aspects**, 315,(1-3), 61-65 (2008)

10. B. B. Sinha, M. Mudgel, V.P.S. Awana, H. Kishan and S. H. Pawar, "Synthesis and Characterization of Excess Magnesium MgB₂ Superconductor under Inert Carbon Environment " *Physica C (Inpress)* 2009
11. R.S. Kalubarme, P.M. Shirage, A. Iyo, M.B. Kadam, B.B. Sinha and **S.H. Pawar**, "Magnetic Properties of Bi₂Sr₂CaCu₂O_y Ceramics Synthesized using Nitrate Precursors", **J. Supercond. & Novel Magnetism** (Inpress) 2009.
12. B. B. Sinha, M.B. Kadam and **S. H. Pawar**, "Role of Mg in Innovative Synthesis of MgB₂ Under the Reduced Carbon Atmosphere" **J. Alloys and Compds.** (In press) 2009.
13. A. G. Bhosale, M. B. Kadam, R. S. Joshi, S. S. Pawar and **S. H. Pawar** Studies on Electrophoretic Deposition of nanocrystalline SDC Electrolyte Films", **J. Alloys and Compds**, 484(2009) 795.
14. R. S. Kalubarme, M. B. Kadam and S. H. Pawar, "Microstructure Dependent Microwave Properties of Spray Deposited Tl-Ba-Ca-Cu-O Films" **J. Alloys and Compounds** 479, (2009) 732-735.
15. M. B. Kadam, B. B. Sinha R. S. Kalubarme and **S. H. Pawar**, "'Transformation of MgB₂ Powder into Superconducting Film via Electrophoretic Deposition Technique", **J. Alloys and Compounds**, 478 (1-2) (2009) 467-473
16. R. S. Joshi, R. K. Nimat, R. K. Mishra and **S. H. Pawar**, "Relaxation studies of spray deposited Bi₂Co_{0.1}V_{0.9}O_{5.35} solid electrolyte thin films on stainless steel substrate, **Ionics**, 15 (2009) 453.
17. R. S. Joshi, R. K. Nimat and **S. H. Pawar**, "Synthesis of Fuel Cell grade Bi₂Co_{0.1}V_{0.9}O_{5.35} Solid Electrolyte Thin Films", **J. Alloys and Compounds** 471, (1-2),2009, 461-465.
18. R.S. Kalubarme and **S. H. Pawar**, "Superconducting Properties of Spray Deposited TBCCO Films", *J. Supercond & Novel Magnetism* (submitted) 2009.
19. M. B. Kadam, B. B. Sinha and **S. H. Pawar**, "Stability Studies of Superconducting MgB₂ powder in Air and Argon Atmosphere", *J. Alloys & Compd.* (Submitted) 2009
20. M. B. Kadam, B. B. Sinha and **S. H. Pawar**, "Engineering of EPD processed MgB₂ films for their Microwave Applications", **J. Alloys and Compds** (Submitted) 2009.
21. K. P. Shinde, N.G. Deshpande, E.Tom, Y.P. Lee and **S. H. Pawar**, "Preparation of La_{0.65}Sr_{0.35}MnO₃ nanoparticles and magneto caloric properties" **J. Applied Physics** (Submitted) 2009
22. S. S. Pawar and **S. H. Pawar**, "PVA - Assisted Combustion Synthesis of Sm_{0.5}Sr_{0.5}CoO₃ Cathode for Low Temperature SOFC Applications" **J. Alloys and Compounds** (Submitted) 2009.