

Year 2012

1	Investigation on role of monomer(s) during electrochemical polymerization of aniline and its derivatives on low carbon steel by XPS VANDANA P. SHINDE, PRADIP P. PATIL ELECTROCHIM. ACTA 78 (2012) 483.
2	Synthesis and humidity sensing properties of ZnSnO ₃ cubic crystallites DIPAK BAUSKAR, B. B. KALE AND PRADIP PATIL SENSORS AND ACTUATORS B: CHEMICAL 161 (2012) 396.
3	D.K.Gautam, Et.Al.“Accreditation of Engineers for Effective Implementation of Washington Accord” FirstWorld Summit on Accreditation (WOSA 2012, March 21-28, 2012) Invited Speaker
4	Yogesh S. Mhaisagar and A.M.Mahajan, “Sol-Gel Deposited Porogen Based Porous Low-k Thin Films for Interlayer Dielectric Application in ULSI Circuits”, Journal of Nano and Electronics Physics, 4, (2012).
5	Yogesh S. Mhaisagar, Bhavana N. Joshi and A. M. Mahajan, “Surface texture modification of spin coated SiO ₂ xerogel thin films by TMCS Silylation”, Bulletin of Material Science, 35 (2012), 151-155, IF- 0.88.
6	Deposition of porous low-k thin films using Tween 80 porogen for ILD application in ULSI circuits” Yogesh S. Mahisagar, RenukaKawishwar, Bhavana N. Joshi, and A.M. Mahajan, SPIE Proceedings, 8549, 85493K-1 (2012)
7	VrushaliShelke, M.P. Bhole, D.S. Patil, “Open air annealing effect on the electrical and optical properties of tin doped ZnO nanostructure”, Solid State Sciences, 14 (2012) 705-710. (Impact Factor: 1.671) (Cited by 5)
8	VrushaliShelke, B. K. Sonawane, M. P. Bhole, D. S. Patil, “Electrical and optical properties of transparent conducting tin doped ZnO thin films”, J. Mater Sci: Mater Electron, 23 (2012) 451-456. (Impact Factor: 1.486)(Cited by 6)
9	Bulk-heterojunction morphology control during spin coating: Modelling diffusion assisted phase separation S. S. Ghosh, G. S. Lonkar, M. S. Mahajan, S. R. Jadkar, V. S. Waman, M. M., V. Ganesan, and J. V. Sali APPLIED PHYSICS LETTERS 101, 173305 (2012)
10	Modeling thin film formation by Ultrasonic Spray method: A case of PEDOT:PSS thin films, Ganesh S. Lonkar, Mrunal S. Mahajan, Sanjay S. Ghosh, Jaydeep V. Sali, Organic Electronics 13 (2012) 2575–2581
11	Multiferroic properties in BiFe _{1-x} Zn _x O ₃ (x=0.1-0.2) ceramics by solution combustion method(SCM), Y.A. Chaudhari, A.Singh, E.M.Abuassaj, R. Chatterjee and S.T. Bendre, Journal of Alloys and Compounds, 518, 51-57 (2012), Impact Factor: 2.28
12	Large Magnetoresistance in Manganite Perovskite Oxide La _{0.7} Sr _{0.3} MnO ₃ , P.P. Jagtap, Y.A. Chaudhari, E.M. Abuassaj, P.B. Patil and S.T. Bendre, Advanced Science Letters, 5, 1-3 (2012), Impact Factor: 1.25
13	Bulk-heterojunction morphology control during spin coating: Modelling diffusion assisted phase separation S. S. Ghosh, G. S. Lonkar, M. S. Mahajan, S. R. Jadkar, V. S. Waman, M. M. Kamble, V. Ganesan, and J. V. Sali APPLIED PHYSICS LETTERS, 101, 173305 (2012)
14	Modeling thin film formation by Ultrasonic Spray method: A case of PEDOT:PSS thin

	films G. S. Lonkar, M. S. Mahajan, S. S. Ghosh, and Jaydeep V. Sali ORGANIC ELECTRONICS, 13, 2575 (2012)
15	Highly conducting phosphorous doped n-type nc-Si:H films by HW-CVD for c-Si heterojunction solar cells V. S. Waman, M. M. Kamble, S. S. Ghosh, A. Mayabadi, V. G. Sathe, H. M. Pathan, S. D. Shinde, K. P. Adhi and S. R. Jadkar RSC ADVANCES, 2, 9873 (2012)
16	Influence of helium dilution of silane on microstructure and opto-electrical properties of hydrogenated nanocrystalline silicon (nc-Si:H) thin films deposited by HW-CVD V. S. Waman, M. M. Kamble, S. S. Ghosh, R.R. Hawaldar, D.P. Amalnerkar, V.G. Sathe, S. W. Gosavi, and S. R. Jadkar MATERIALS RESEARCH BULLETIN, 47, 3445 (2012)
17	Highly conducting Phosphorus doped nc-Si:H Thin Films deposited at high deposition rate by Hot-Wire Chemical Deposition method V. S. Waman, M. M. Kamble, S. S. Ghosh, AzamMayabadi, V. G. Sathe, D. P. Amalnerkar, H. M. Pathan, and S. R. Jadkar JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 12, 1 (2012)
18	“Synthesis and Characterization of Self-Assembled Nanofiber-Bundles ofV ₂ O ₅ : Their Electrochemical and Field Emission Properties” K. Dewangan, N. N. Sinha, Padmakar G. Chavan, Prashant K. Sharma, Avinash C. Pandey, M. A. More, D. S. Joag, N. Munichandraiah, N. S. Gajbhiye, <i>Nanoscale</i> 4, (2012), 645 (I.F.=5.91).
19	Prospective of Conducting Polymer Nanowire for Gas Sensing Application to its Physical Scaling, DJ Shirale, M Bangar, NV Myung, W Chen, GM Joshi, A Mulchandani, <i>Advanced Materials Research</i> 584, 224-228 (2012) (IF: -) Effect of Gamma-Irradiation on Admittance, Susceptance and Conductance of Polyacrylonitrile Gel, GM Joshi, SM Khatake, DJ Shirale, <i>Advanced Materials Research</i> 584, 511-515 (2012) (IF: -)
20	Investigation on role of monomer(s) during electrochemical polymerization ofaniline anditsderivatives onlowcarbonsteelby XPS, VANDANAP.SHINDE AND PRADIPP.PATIL ELECTROCHIMICA, CTA, 78(2012), 483-494. (IF=3.832)
21.	Bulk-heterojunction morphology control during spin coating: Modelling diffusion assisted phase separation S. S. Ghosh, G. S. Lonkar,M. S. Mahajan, S. R. Jadkar, V. S. Waman, M. M., V. Ganesan, and J. V. Sali APPLIED PHYSICS LETTERS 101, 173305 (2012)
22.	Modeling thin film formation by Ultrasonic Spray method: A case of PEDOT:PSS thin films Ganesh S. Lonakar, Mrunal S. Mahajan, Sanjay S. Ghosh, Jaydeep V. Sali <i>Organic Electronics</i> 13 (2012) 2575–2581
23.	Multiferroic properties in BiFe _{1-x} Zn _x O ₃ (x=0.1-0.2) ceramics by solution combustion method(SCM), Y.A.Chaudhari, A.Singh, E.M.Abuassaj, R. Chatterjee and S.T. Bendre, <i>ournal of Alloys and Compounds</i> , 518, 51-57 (2012), Impact Factor: 2.28
24.	Large Magnetoresistance in Manganite Perovskite Oxide La _{0.7} Sr _{0.3} MnO ₃ , P.P. Jagtap, Y.A. Chaudhari, E.M. Abuassaj, P.B. Patil and S.T. Bendre, <i>Advanced Science Letters</i> , 5, 1-3 (2012), Impact Factor: 1.25
25.	Modeling thin film formation by Ultrasonic Spray method: A case of PEDOT:PSS thin films G. S. Lonkar, M. S. Mahajan, S. S. Ghosh, and Jaydeep V. Sali ORGANIC ELECTRONICS, 13, 2575 (2012)
26.	Highly conducting phosphorous doped n-type nc-Si:H films by HW-CVD for c-Si heterojunction solar cells V.S. Waman, M. M. Kamble, S. S. Ghosh, A. Mayabadi, V. G. Sathe, H. M. Pathan, S. D. Shinde, K. P. Adhi and S. R. Jadkar RSC ADVANCES, 2,

	9873 (2012)
27.	Influence of helium dilution of silane on microstructure and opto-electrical properties of hydrogenated nanocrystalline silicon (nc-Si:H) thin films deposited by HW-CVD V. S. Waman, M. M. Kamble, S. S. Ghosh, R.R. Hawaldar, D.P. Amalnerkar, V.G. Sathe, S. W. Gosavi, and S. R. Jadkar MATERIALS RESEARCH BULLETIN, 47, 3445 (2012)
28.	Highly conducting Phosphorus doped nc-Si:H Thin Films deposited at high deposition rate by Hot-Wire Chemical Deposition method V. S. Waman, M. M. Kamble, S. S. Ghosh, Azam Mayabadi, V. G. Sathe, D. P. Amalnerkar, H. M. Pathan, and S. R. Jadkar JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 12, 1 (2012)
29.	“Synthesis and Characterization of Self-Assembled Nanofiber-Bundles of V2O5: Their Electrochemical and Field Emission Properties” K. Dewangan, N. N. Sinha, Padmakar G. Chavan, Prashant K. Sharma, Avinash C. Pandey, M. A. More, D. S. Joag, N. Munichandraiah, N. S. Gajbhiye, Nanoscale 4, (2012), 645.
30.	“Decoration of CdS nanoparticles on MWCNT's by simple solution chemistry” Prashant Baviskar, Padmakar Chavan, Babasaheb Sankapal, Appl. Surf. Sci.258, (2012), 7536.
31.	“Synthesis of hierarchical nanostructures of doped-CdS by microwave assisted solvothermal technique using a household microwave oven and allied field emission and photo-catalytic characteristics” M. Shinde, Padmakar Chavan, Sudhir Arbuj, Sunit Rane, Mahendra More, Suresh Gosavi, Dilip Joag, and Dinesh Amalnerkar, J. Nano. Nanotech. 12, (2012), 3788.
32.	“Spectral analysis of current fluctuations in CdS nanocombs and nanowires array” Ranjit V. Kashid, Padmakar G. Chavan, Imtiaz S. Mulla, Dilip S. Joag and Mahendra A. More, IEEE, ISBN: 978-1-4673-0187-9, DOI: 10.1109/IVEC.2012.6262105, (2012).
33.	Nanobeads of zinc oxide with rhodamine B dye as a sensitizer for dye sensitized solar cell application P K Baviskar, J B Zhang, V Gupta, S Chand & B R Sankapal Journal of Alloys & Compounds 510 (2012) 33-37