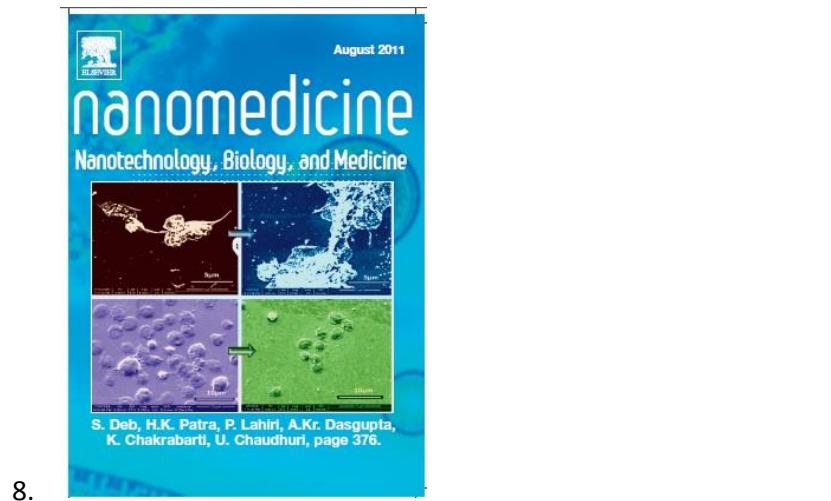


1. Highly efficient electromagnetic interference shielding using graphite nanoplatelet/poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) composites with enhanced thermal conductivity N. Agnihotri, **K. Chakrabarti**,^{*} A. Dey, RSC Adv. 5 (2015) 43765.
2. [** to indicate corresponding author*] [Journal Impact Factor: 3.708]
3. Effects of process parameters on the defects in graphene oxide/ polyaniline composite investigated by positron annihilation spectroscopy. U. Rana, P.M.G. Nambissan, S. Malik, **K. Chakrabarti**^{*}, Phys. Chem. Chem. Phys. 16 (2014) 3292. [Journal Impact Factor: 4.198]
4. Benzene tetracarboxylic acid doped polyaniline nanostructures: morphological, spectroscopic and electrical characterization. U. Rana, **K. Chakrabarti** and S. Malik, J. Mater. Chem. 22 (2012) 15665. [Journal Impact Factor: 6.101]
5. *In situ* preparation of fluorescent polyaniline nanotubes doped with perylene tetracarboxylic acids. U. Rana, **K. Chakrabarti** and S. Malik, J. Mater. Chem. 21 (2011) 11098. [Journal Impact Factor: 5.968]
6. Multi-stability in Platelets and their response to Gold Nanoparticles. S. Deb, H. K. Patra, P. Lahiri, A.K. Dasgupta, **K. Chakrabarti**, U. Chaudhuri [Nanomedicine: Nanotechnology, Biology and Medicine](#) 7 (2011) 376.
7. [Cover Page and Feature article] [Journal Impact Factor: 6.692]



8.

9. Controlled lowering of graphitization temperature of electrospun poly(acrylonitrile) based carbon fiber by carbon nanotube embedment. **K. Chakrabarti***, Mat. Letts 64 (2010) 1607.
[Journal Impact Factor: 2.307]
10. Positron annihilation spectroscopic studies of the influence of heat treatment on defect evolution in hybrid MWCNT-polyacrylonitrile-based carbon fibers, **K. Chakrabarti***, P.M.G Nambissan, C.D. Mukherjee, K.K. Bardhan, C. Kim, K.S. Yang, Carbon 45 (2007) 2777. **[Journal Impact Factor: 5.378]**
11. Positron annihilation spectroscopy of Polyacrylonitrile-based carbon fibers embedded with multi-wall carbon nanotubes, **K. Chakrabarti***, P.M.G Nambissan, C.D. Mukherjee, K.K. Bardhan, C. Kim, K.S. Yang, Carbon 44 (2006) 948. **[Journal Impact Factor: 5.378]**
12. Optical absorption of polyethylene glycol (PEG) modified silica matrix embedded with nanocrystalline silver, P. Guha, D. Ganguli, S. Chaudhuri and **K. Chakrabarti**, Materials Letters 58 (2004) 2963.
13. Effects of pH during the base catalyzed reaction of two-step acid/base catalyzed process on the microstructures and physical properties of Poly(dimethylsiloxane) modified silica xerogels. S.M. Kim, **K. Chakrabarti**, E.O. Oh and C.M. Whang, J. Sol-Gel Sc. & Tech. 27 (2003) 149.
14. Effects of ozone as an oxygen source on the properties of Al_2O_3 thin films prepared by atomic layer deposition technique. Jaebum Kim, **Kuntal Chakrabarti**, Jongmin Lim, Ki-Young Oh, Jinho Lee and Chongmu Lee, Materials Chemistry and Physics 78 (2003) 733. . **[Cited in “Aluminium oxide”, Wikipedia. (URL: <http://en.wikipedia.org/wiki/Al2O3>)].**
15. Improvement of Al_2O_3 dielectric behavior by using ozone as an oxidant for the atomic layer deposition technique, J.B. Kim, D.R. Kwon, **K. Chakrabarti**, C.M. Lee, K.Y. Oh, and J.H. Lee, J. Appl. Phys. 92 (2002) 6739. **[Cited in “Aluminium oxide”, Wikipedia. (URL: <http://en.wikipedia.org/wiki/Al2O3>)].**

16. Effects of post-deposition annealing on the copper films electrodeposited on the ECR plasma cleaned copper seed layers, Hanseung Lee, **Kuntal Chakrabarti** and Chongmu Lee, Jpn. J. Appl. Phys. 41 (2002) 7476.
17. Optical properties of $Cd_{1-x}Zn_xS$ nanocrystallites in sol-gel silica matrix, B. Bhattacharjee, S.K. Mandal, **K. Chakrabarti**, D. Ganguli and S. Chaudhuri, J. Phys. D: Appl. Phys. 35 (2002) 2636.
18. Effects of Ar gas dilution in methane plasma on the properties of diamond-like carbon films. **K. Chakrabarti**, J.B. Kim, John I.B. Wilson and Chongmu Lee, Phys. Stat. Sol.: A 194 (2002) 112.
19. Thermal analysis of poly(dimethylsiloxane) modified silica xerogels. **K. Chakrabarti**, S.M. Kim, E.O. Oh and C.M. Whang, Materials Letters 57 (2001) 192.
20. Silver doped ORSOSIL – an investigation on structural and physical properties, **K. Chakrabarti** and C.M. Whang, Materials Sc. and Engg. B. 88 (2002) 26.
21. Microstructures and mechanical properties of ORSOSILs prepared under various process conditions, E.O. Oh, **K. Chakrabarti**, H.Y. Jeong and C.M. Whang,, Materials Sc. and Engg. B. 90 (2002) 60.
22. Structural and physical properties of Ag doped Poly(dimethylsiloxane) modified xerogels, **K. Chakrabarti** and C.M. Whang, J. Appl. Phys. 90 (2001) 6493.
23. Effects of nitrogen flow rates on the growth morphology of TiAlN films prepared by the rf reactive sputtering technique, **K. Chakrabarti**, J.J. Jeong, S.K. Hwang, Y.C. Yoo and C.M. Lee, Thin Solid Films 406 (2002) 159.
24. A study on the physical and chemical mechanisms of photoluminescence in porous silicon, Hyun Soo Kim, **Kuntal Chakrabarti** and Chongmu Lee, J. Korean Phys. Soc. 39 (2001) S287.
25. Mechanical, Electrical and Optical Properties of a-C:H:N films deposited by plasma CVD Technique, **K. Chakrabarti**, M. Basu, S. Chaudhuri, A.K. Pal and H. Hanzawa, Vacuum, 53 (1999) 405.

26. Photoluminescence of DC plasma CVD grown a-C:H:N films, **K. Chakrabarti**, M. Basu, S. Chaudhuri, A.K. Pal, Materials Chemistry and Physics, 59 (1999) 69.
27. Nanodiamond film produced from CVD of Camphor, S. Chaudhuri, K.K. Chattopadhyay, **K. Chakrabarti**, A.K. Pal, J. Surf. Analysis, 3 (1998) 1.
28. Submicrocrystalline diamond film deposited by CVD of Freon 22 : fabrication of pressure sensing devices, **K. Chakrabarti**, R. Chakrabarti, S. Chaudhuri, A.K. Pal. Diamond and Related Materials, 7 (1998) 1227.
29. Nano-diamond films produced from CVD of Camphor, **K. Chakrabarti**, R. Chakrabarti, K.K. Chattopadhyay, S. Chaudhuri, A.K. Pal, Diamond and Related Materials, 7 (1998) 845. [Cited in “Camphor”, Wikipedia. (*URL: <http://en.wikipedia.org/wiki/Camphor>*)]
30. Optical characterization of AlN films: measurement of stress, **K. Chakrabarti**, K.K. Chattopadhyay, S. Chaudhuri, A.K. Pal., Materials Chemistry and Physics, 50 (1997) 50.
31. Optical properties of diamond film deposited by CVD of Freon: studies on mechanical properties from the absorption band tail, R. Chakrabarti, **K. Chakrabarti**, A.B. Maity, S. Chaudhuri, A.K. Pal, Diamond and Related Materials, 6 (1997) 991.