

## International Conference on Advanced Nanomaterials and Nanotechnology (ICANN2009)

### CONFIRMED ORAL Presentation

No.	Abstr act #	Title	Author list	Presenting Author and e-mail id.	Confirmati on
1.	A-351	Co+ion implantation induced doping of nanocrystalline CdS thin films: Structural, optical, and vibrational properties	S Chandramohan <sup>1</sup> , A Kanjilal <sup>2</sup> , S N Sarangi <sup>1</sup> , S Majumder <sup>1</sup> , R Sathyamoorthy <sup>3</sup> , T Som <sup>1*</sup>	T Som tsom@iopb.res.in	Y
2.	A-405	Rotational Misorientation in Exfoliated Graphene Sheets: a High-resolution TEM Study	Manoj Kumar Singh* and José Joaquim de Almeida Gracio	Manoj Kumar Singh mksingh@ua.pt	Y
3.	A-408	Synthesis, Properties and Applications of Inorganically Filled Carbon Nanotube Heterostructures	Ujjal K. Gautam <sup>1,*</sup> , Yoshio Bando, <sup>1</sup> Xiaosheng Fang, <sup>1</sup> Pedro M. F. J. Costa <sup>2</sup> and Dmitri. Golberg <sup>1</sup> ;	Ujjal K. Gautam <sup>1</sup> GAUTAM.Ujjal@nims.g o.jp	Y
4.	A-409	Advances in Mass Production of Carbon Nanotubes and Role of the Molecular Structure of the Carbon Source in CNT Growth Mechanism	Mukul Kumar*, Kaushik Ghosh, Yoshinori Ando	Mukul Kumar mukul@ccmfs.meijo- u.ac.jp	Y [*]
5.	A-423	Self-ordering electrochemical synthesis of TiO <sub>2</sub> nanotube arrays: controlling the nanotube geometry and the growth rate	Krishna Kant <sup>1</sup> , Dusan Losic	Krishna Kant krishnakant696@gmail. com, Krishna.Kant@postgrad s.unisa.edu.au,	Y
6.	A-428	Titania nanowires for sensing and detection of industrial effluents	Soumit S. Mandal and Aninda J. Bhattacharyya*	S. S. Mandal aninda_jb@sscu.iisc.er net.in	Y
7.	A-448	Shape control of graphene by catalytic nanocutting and transfer	Deep Jariwala <sup>1*</sup> , Lijie Ci <sup>2</sup> , Li Song <sup>2</sup> , Ana-Laura Elias <sup>3</sup> , P.M.Ajayan <sup>2*</sup>	Deep Jariwala deep29jariwala@gmail. com	Y

8.	A-479	Chiral-mesoporous-polypyrrol Nanoparticles: Enantioselective Separation	Pradip Paik <sup>1</sup> , Aharon Gedanken <sup>1</sup> , Yitzhak Mastai <sup>2*</sup>	Pradip Paik pradip.paik@gmail.com	Y
9.	A-501	Effect of Combustion Synthesis Processes on Nanostructured TiO <sub>2</sub> Hollow-spheres	P K Pandey*, Pranjali Joshi & N Kulkarni	P.K. Pandey prashantp@ashapura.com	Y
10.	A-511	Electrical transport characteristics of Focused ion beam fabricated Au, Cu nano wires	Nitul S. Rajput, Abhishek K. Singh, Neeraj Shukla, S. Dhamodaran and Vishwas N. Kulkarni*	Nitul S. Rajput vnk@iitk.ac.in, nitul@iitk.ac.in	Y
11.	A-548	Conducting Polymer Nanostructures via Molecular Self-assembly	Dr. M. Jayakannan,	M. Jayakannan jayakannan@iiserpune.ac.in	Y
12.	A-603	Defect evolution and structural improvement in low energy ion irradiated carbon nanotubes: Microscopic and spectroscopic studies	Dilip K. Singh <sup>1*</sup> , P. K. Iyer <sup>2</sup> , P. K. Giri	Dilip K. Singh dilipsinghnano@yahoo.co.in	Y
13.	A-612	Chemical Locomotion as a Possible Source of Electricity	Krishna Kanti Dey <sup>1,*</sup> , Saurabh Basu <sup>2</sup> , Arun Chattopadhyay <sup>1,3</sup>	Krishna Kanti Dey k.dey@iitg.ernet.in	Y
14.	A-645	Iodine enhanced antimicrobial activity of Ag nanoparticles-Chitosan composite	Madhuchanda Banerjee, Sadhucharan Mallick, Anumita Paul, Arun Chattopadhyay and S.S. Ghosh	M. Banerjee <a href="mailto:madhuchanda@iitg.ernet.in">madhuchanda@iitg.ernet.in</a>	Y
15.	A-646	Gold nanoparticles in probing proteins	Jashmini Deka, A. Chattopadhyay, S.S. Ghosh	arun@iitg.ernet.in	Y
16.	A-651	Electronic properties of graphene, few layer graphene and bulk graphite under very high magnetic field	Amit Kumar	Amit.kumar@incmp.org	Y
17.	B-322	Surface plasmon resonance based closely packed Au nanoparticle arrays for Surface Enhanced Raman Scattering application	<u>Pratap K. Sahoo</u> , C. W. Schneider, Y. Ekinici, H.H.Solak	P.K. Sahoo <a href="mailto:Pratap.sahoo@niser.ac.in">Pratap.sahoo@niser.ac.in</a>	Y
18.	C-246	Electrochemical Study of Hemoglobin Using the carbon nanotube-modified Graphite Electrode and its Application to	Saeed Rezaei-Zarchi <sup>1</sup> , Hossain Bary Abarghouei	S.R.-Zarchi srezaei@ibb.ut.ac.ir	Y

		Hydrogen Peroxide Biosensor			
19.	C-262	Chitosan -Mn <sup>2+</sup> - doped ZnS Quantum Dot Nanocomposites for Carrying Suicide Genes	P. Sanpui <sup>1</sup> , S.B. Pandey <sup>2</sup> , Arun Chattopadhyay <sup>2,3*</sup> and S.S. Ghosh <sup>1,2*</sup> ; Sankar Ghosh <sup>1,2*</sup>	Pallab Sanpui sghosh@iitg.ernet.in	Y
20.	C-316	Applications of Traditional Phage Display in Rapidly Evolving Nanobiotechnology	<u>Gopal Abbineni</u> * and Chuanbin Mao	<u>Gopal Abbineni</u> gopal@ou.edu	Y
21.	E-122	Humidity Sensor using pNIPAAm Nanoparticles as Sensing Medium in SAW Devices	N. Ramakrishnan <sup>1</sup> , Talla Vamsi <sup>2</sup> , Harshal B. Nemade <sup>*,1,2</sup> , Roy Paily Palathinkal <sup>2</sup>	N. Ramakrishnan harshal@iitg.ernet.in	Y
22.	E-629	New strategies of nanotechnology for improvement of photo-active functions in Photoelectrochromic and Solar cells	D. R. Sahu	D. R. Sahu Diptiranjan.Sahu@wits.ac.za	Y [**]
23.	F-063	Magnetic Iron Oxide-Size and Shape Control Synthesis, Characterization, and Applications	<u>Nitin K Chaudhari</u> , Jong-Sung Yu*	Nitin K Chaudhari jsyu212@korea.ac.kr	Y
24.	F-070	Effect of ion beam mixing on magnetic exchange bias in a nanoscale Si/Co/Si system	Sumalay Roy <sup>1,*</sup> , M. Menyárd <sup>2</sup> , S. Majumdar <sup>3</sup> , D. Novikov <sup>4</sup> , and B. N. Dev <sup>1</sup>	Sumalay Roy mssr2@iacs.res.in	Y
25.	F-078	Role of defects, nanostructure and electronic structure in Ni doped/implanted ZnO based room temperature ferromagnets	S. Ghosh,* B. Pandey and P. Srivastava	S. Ghosh ghoshsantanu1@yahoo.co.in	Y
26.	F-088	Zippering Transition in Ferrofluid in Presence of External Field	Junaid M Laskar, John Philip* & Baldev Raj	Junaid M Laskar philip@igcar.gov.in	Y
27.	F-644	Role of Fe <sub>3</sub> Zr nanocrystals on the temperature magnetic properties of Fe-Co-B-Zr nanocrystalline alloys	D. Mishra, A. Perumal and A. Srinivasan	Debabrata Mishra, debabrata@iitg.ac.in	Y
28.	G-036	A comparative study of optical properties of C <sub>3</sub> N and CN <sub>3</sub> systems through Density Functional Theory (DFT)	Debnarayan Jana, Li-Chyong Chen, Chun Wei Chen, Kuei-Hsien Chen,	Debnarayan Jana djphy@caluniv.ac.in	Y
29.	G-412	Finite Mass induced effects on	César E. P. Villegas, Marcos R. S.	César E. P. Villegas	Y

		conductance in grapheme	Tavares	cesar.villegas@ufabc.edu.br	
30.	H-005	Nanotechnology Patenting: An Indian Scenario	Aniruddh Jain, Sharanabasva Hallihosur, Latha Rangan*	Latha Rangan lrangan@iitg.ernet.in	Y