

	First Name	Last Name	Abstract Title	Session	Abs (Sort)	Full Paper
AM/1	Vikram	Singh	Study of Negative Bias Temperature Instability and high energy Li <sup>3+</sup> ions irradiation effects in HfO <sub>2</sub> based MOS devices	Advance materials Growth & Characterization	Y	y
AM/2	Ghenadii	Korotcenkov	Doping of SnO <sub>2</sub> Films During Spray Pyrolysis Deposition: Consequences for Film Structure and Gas Sensing Effect	Advance materials Growth & Characterization	Y	y
AM/3	Sarbani	Adhikari	Bandgap reduction of polyaniline-poly (vinyl alcohol) composite upon chlorophyll doping	Advance materials Growth & Characterization	Y	y
AM/4	daya	shanker	Polariton excitation on the cylindrical InAs, GaSb, Ge, SiC, GaAs surface of in isotropic medium	Advance materials Growth & Characterization	Y	NA
AM/5	Manish	Taunk	Synthesis and electronic transport properties of polypyrrole doped with sodium bis(2-ethylhexyl) sulfosuccinate	Advance materials Growth & Characterization	Y	y
AM/6	P.	Sahay	Effect of temperature on the ac conductivity of polycrystalline zinc oxide material prepared by hydrolysis method	Advance materials Growth & Characterization	Y	y
AM/7	S	Sitharaman	Luminescence from ZnO nanocrystallites grown by sublimation vapour phase	Advance materials Growth & Characterization	Y	y
AM/8	Om Prakash	Parida	Fabrication of SU-8 MIS capacitors and characterization of dielectric properties for electronic applications	Advance materials Growth & Characterization	Y	y
AM/9	Rajendra	Singh	Effect of Implantation Temperature on the Blistering/Exfoliation Behavior of Hydrogen Implanted Si and Ge	Advance materials Growth & Characterization	Y	y
AM/10	Sayanee	Majumdar	Positron annihilation spectroscopy in doped p-type ZnO	Advance materials Growth & Characterization	Y	y
AM/11	Manju	Arora	Ferromagnetism in Nanocrystalline ZnO Thin Films	Advance materials Growth & Characterization	Y	y
AM/12	Anchal	Srivastava	Bar-Structures in Ca doped ZnO Films	Advance materials Growth & Characterization	Y	y
AM/13	Hardik	Pandya	Properties of ITO films prepared by RF magnetron sputtering	Advance materials Growth & Characterization	Y	y
AM/14	Trilok	Singh	Growth and Characterization of Electrodeposited CdO Thin Films and Nanowires	Advance materials Growth & Characterization	Y	y
AM/15	Rashmi	Rashmi	Structural and Spectroscopic Investigations of Nanocrystalline Zinc Oxide	Advance materials Growth & Characterization	Y	y
AM/16	Devinder	Madhwal	White Polymer Light Emitting Diode using red and green phosphorescent dyes by Solution Processing Method	Advance materials Growth & Characterization	Y	y
AM/17	Mohd. Shahid	Khan	Synthesis and characterization of CdS semiconductor thin films having nanometer grain size	Advance materials Growth & Characterization	Y	y
AM/18	Santosh Chandra	Das	Room temperature luminescence from InAsN layers grown by liquid phase epitaxy	Advance materials Growth & Characterization	Y	y
AM/19	D.V.	Sridhara Rao	Microstructural study of AlGaN/AlN buffer with 3D GaN interlayer	Advance materials Growth & Characterization	Y	y
AM/20	sandipan	mallik	Leakage Current Characteristics of Ultra Thin HfAlO <sub>x</sub> Films on Si <sub>0.81</sub> Ge <sub>0.19</sub> Substrates	Advance materials Growth & Characterization	Y	y
AM/21	Unnikrishnan	N V	Novel Self-Cleaning Displays by Sol-Gel Process	Advance materials Growth & Characterization	Y	y
AM/22	Dilip	Dwivedi	Effect of annealing on the structural and optical properties of Cd <sub>1-x</sub> Zn <sub>x</sub> Te heterojunction thin films	Advance materials Growth & Characterization	Y	y
AM/23	Rekha	Ovhal	Synthesis of Cadmium Selenide thin films by simple chemical route and their characterization.	Advance materials Growth & Characterization	Y	y
AM/24	Manish	Sharma	Synthesis and Characterization of Magnetic Nanowires and Nanotubules	Advance materials Growth & Characterization	Y	y
AM/25	Chandreswar	Mahata	Plasma Nitridation of TiO <sub>2</sub> /Ge Gate Stacks	Advance materials Growth & Characterization	Y	y
AM/26	Anju	Dhillon	Morphological and Electrical properties of Poly(3,4-ethylenedioxy thiophene) complex with polystyrene sulfonate (PDOT:PSS), irradiated with swift heavy ions of silver	Advance materials Growth & Characterization	Y	y
AM/27	Siddhartha	Singh	Gamma ray Induced Modification of Polyethersulfone Polymer	Advance materials Growth & Characterization	Y	NA
AM/28	Sushil	Kumar	Effect of selenium and tellurium doping in lead sulphide thin films	Advance materials Growth & Characterization	Y	y
AM/29	Manavaimaran	Balaji	Effect of Growth Temperature on Structural, Optical and Electrical Characteristics of n-GaN Grown using MOCVD	Advance materials Growth & Characterization	Y	y
AM/30	SIDDHARTHA	OMAR	Pentacene based OTFT for high gain inverter	Advance materials Growth & Characterization	Y	y
AM/31	Manoj	Gaur	Synthesis & Characterization of Pentacene for Organic Thin Film Transistors	Advance materials Growth & Characterization	Y	y

AM/32	Monika	Chahar	Synthesis and spectroscopic characterization of ZnO doped polyaniline	Advance materials Growth & Characterization	Y	y
AM/33	Atul Vir	Singh	A Study on Deposition and Characterization of RF Magnetron Sputtered Aluminum Nitride films	Advance materials Growth & Characterization	Y	y
AM/34	Kiran	Kumari	DC Conductivity and spectroscopic characterization of binary dopant (ZrOCl <sub>2</sub> /AgI) doped polyaniline	Advance materials Growth & Characterization	Y	y
AM/35	Uday Narayan	Maiti	An effective chemical etching strategy to enhance the surface area of ZnO nanowire for use in potential applications	Advance materials Growth & Characterization	Y	y
AM/36	Shaweta	Khanna	Fabrication and Characterization of Au Schottky Diode on n-type 4H-SiC	Advance materials Growth & Characterization	Y	y
AM/37	RAVICHANDRAN	CHELLADURAI	Investigations on the structural and optical properties of Li, N and (Li, N) co-doped ZnO thin films prepared by sol-gel technique	Advance materials Growth & Characterization	Y	y
AM/38	Anirban	Bhattacharyya	AlGa <sub>N</sub> quantum wells emitting below 250 nm with internal quantum efficiency as high as 50%	Advance materials Growth & Characterization	Y	y
AM/39	Bhakti	Jariwala	Electrical and Mechanical Properties of Bi <sub>2</sub> Te <sub>3</sub> Single Crystals"	Advance materials Growth & Characterization	Y	Y
AM/40	Masihur Rahman	Laskar	MOVPE growth and Characterization of a-plane AlGa <sub>N</sub> on r-plane sapphire	Advance materials Growth & Characterization	Y	y
AM/41	Munawar	Basha	Investigation on Nickel doped Gallium Nitride	Advance materials Growth & Characterization	Y	Y
AM/42	Puviarasu	Padmanabhan	Studies of high energy irradiated gallium nitride grown by Cl-VPE	Advance materials Growth & Characterization	Y	y
AM/43	Annveer	Singh	Synthesis of Nanomagnetic Composites: Fe <sub>3</sub> O <sub>4</sub> - CNT	Advance materials Growth & Characterization	Y	NA
AM/44	Sunita	Mishra	Characterization of sputter deposited ZnO thin films using Spectroscopic Ellipsometry	Advance materials Growth & Characterization	Y	Y
AM/45	Shyama	Rath	X-ray diffraction and Raman study of ZnO films fabricated by chemical bath deposition	Advance materials Growth & Characterization	Y	NA
AM/46	Subhasis	Ghosh	Growth and characterization of Cu doped ZnO thin films for Spintronics	Advance materials Growth & Characterization	Y	y
AM/47	Manish	Sharma	Electrodeposition of Bismuth Telluride nanowires for thermoelectric applications	Advance materials Growth & Characterization	Y	y
AM/48	Jagadeswara	Reddy. K	DLTS studies on effect of thermal annealing on deep levels in n-type Ga <sub>N</sub>	Advance materials Growth & Characterization	Y	y
AM/49	Sarab Preet	Singh	Evolution of structural and interfacial properties of thermally annealed a-Si <sub>N</sub> X:H films	Advance materials Growth & Characterization	Y	y
AM/50	Akhilesh	Pandey	Estimation of Dislocation Density by X-ray Rocking Curve Analysis and Etch Pit Method	Advance materials Growth & Characterization	Y	y
AM/51	Akhilesh	Pandey	Comparative Studies on ZnO Nanorods Grown on Different Substrates	Advance materials Growth & Characterization	Y	y
AM/52	Imran	Khan	Electrical Properties of Sintered Silicon Nitride Ceramics with Different Additives	Advance materials Growth & Characterization	Y	y
AM/53	G. B. V. S.	Lakshmi	Synthesis and Characterization of Polyaniline thin films by RF-Plasma Polymerization	Advance materials Growth & Characterization	Y	y
AM/54	G.B.V.S	Lakshmi	SHI irradiation effects on PmT-PVC blends	Advance materials Growth & Characterization	Y	y
AM/55	SABYASACHI	SAHA	Characterization of Multilayered Heterostructures using the Dual Beam Equipment	Advance materials Growth & Characterization	Y	NA
AM/56	VEERAMANI	PERUMAL	CHARGE TRANSPORT PROPERTIES OF MTPVT METHOD GROWN CdZnTe SINGLE CRYSTAL	Advance materials Growth & Characterization	Y	y
AM/57	Rashmi	Rashmi	Investigations of Growth and Characteristics of Pure and Mg Doped Nanocrystalline Zinc Oxide	Advance materials Growth & Characterization	Y	y
AM/58	S. K.	Kushwaha	Growth of LiF Single Crystal and its Characterization by HRXRD, UV-Vis, Thermoluminescence and Impedance Analyzer	Advance materials Growth & Characterization	Y	y
AM/59	Shahir	Hussain	Functionalization studies of Single Wall Carbon Nanotubes (SWCNTs) using Raman spectroscopy	Advance materials Growth & Characterization	Y	y
AM/60	RITA	SINGH	Synthesis, Characterization and the Structure- properties Correlation between of Nano structured Oxides (Cu <sub>2</sub> O, SnO <sub>2</sub> ).	Advance materials Growth & Characterization	Y	Y
AM/61	VIKASH	SINGH	Photoreflectance and Photoluminescence study on AlGaAs/InGaAs/GaAs quantum well and AlGaAs/GaAs superlattice grown by Molecular Beam Epitaxy	Advance materials Growth & Characterization	Y	Y

AM/62	S.C.	Gupta	Development and characterization of conducting polymer PANI composite	Advance materials Growth & Characterization	Y	NA
AM/63	Onattu. D	Jayakumar	Inkjet printed patterns and films of room temperature ferromagnetic Co doped ZnO for spintronics applications	Advance materials Growth & Characterization	Y	Y
AM/64	MOHD	SHAKIR	Large Size Unidirectional Growth and characterization of L-TiO <sub>2</sub>	Advance materials Growth & Characterization	Y	Y
AM/65	Ramesh Chandra	Bhatt	Study on Growth and Characteristics of Pure and Doped Nanocrystalline Zinc Oxide	Advance materials Growth & Characterization	Y	Y
AM/66	C	FAHED		Advance materials Growth & Characterization		
AM/67	RAJESH	BAG	Structural and electrical characterization of AlGa <sub>N</sub> /AlN/GaN HEMT	Advance materials Growth & Characterization		
HF/HP/1	Ajit Kumar	Panda	Heterointerface Polarization Effect and DC Characteristics Study of Al <sub>x</sub> Ga <sub>1-x</sub> N/In <sub>x</sub> Ga <sub>1-x</sub> N/GaN Based High Electron Mobility Transistor	High Frequency / High Power Devices	Y	Y
HF/HP/2	Gang	Xie	Injection enhanced with total charge controlled IGBT	High Frequency / High Power Devices	Y	Y
HF/HP/3	Ajit Kumar	Panda	THz Signal Generation using 3C-SiC, 4H-SiC, and 6H-SiC-based SDR MITATTs	High Frequency / High Power Devices	Y	Y
HF/HP/4	Naresh	Padha	Study of forward I-V characteristics of some Schottky Diodes with varying doping concentrations over a wide temperature range	High Frequency / High Power Devices	Y	Y
HFD/1	Kalyan	Bhattacharyya	Effects of Substrate Bias on Noise of 0.18μm CMOS Devices at Microwave Frequency	High Frequency Devices	Y	Y
HFD/2	D S	Rawal	Thermal Resistance Estimation of AlGa <sub>N</sub> /Ga <sub>N</sub> Power HEMTs	High Frequency Devices	Y	Y
HFD/3	Jitendra	Singh	Bi <sub>1.5</sub> Zn <sub>1.0</sub> Nb <sub>1.5</sub> O <sub>7</sub> (BZN) thin film based tunable microstrip phase shifter for microwave applications	High Frequency Devices	Y	Y
HFD/4	Shankar	Pati	Microwave Performance of Si DDRs in Fundamental/Harmonic/Enhanced Current Modes at 35GHz	High Frequency Devices	Y	Y
HFD/5	KIRAN	SHARMA	Effects Of Grain Boundary Scattering On The Characteristics Of PX-Si TFTs and MOSFETs	High Frequency Devices	Y	Y
HFD/6	Ashish	Jangra	Temperature Dependence of I-V Characteristics of Au/GaN Schottky diodes	High Frequency Devices	Y	Y
HFD/7	A	Roy	The effect of ZrO <sub>2</sub> buffer layer on electrical and interfacial properties of Al/ZrO <sub>2</sub> /SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> /Si heterostructures	High Frequency Devices	Y	Y
HFD/8	Sridhar	Ch	Gate lift-off process by single photoresist layer using developer soaking	High Frequency Devices	Y	Y
HFD/9	Amit Prabhat Singh	Yadav	Miniaturized DC-3.0 GHz GaAs MMIC SPDT Switch with Low Insertion and High Isolation	High Frequency Devices	Y	Y
HFD/10	Mohd. Sazid	. Sazid	X-band MIC Analog Phase Shifter Using Two Quarter-Wave-Length Transmission Lines	High Frequency Devices	Y	Y
HFD/11	Satya ranjan	Pattanaik	High Efficiency Superlattice Type Heterojunction IMPATT Diode	High Frequency Devices	Y	Y
HFD/12	Sai Saravanan	G	Enhancement of uniformity of activation and electrical parameters in GaAs wafers by reduction of slip lines during rapid thermal processing	High Frequency Devices	Y	Y
HFD/13	D S	Rawal	Effect of Mask Profile on Cl <sub>2</sub> /BCl <sub>3</sub> based Inductively Coupled Plasma Etching of GaAs Via Holes	High Frequency Devices	Y	Y
HFD/14	Satya ranjan	Pattanaik	High Efficiency Superlattice Type Heterojunction IMPATT Diode	High Frequency Devices	Y	NA
HFD/15	Satya ranjan	Pattanaik	High Power 4H-SiC-6H-SiC Heterojunction IMPATT Diode	High Frequency Devices	Y	Y
HFD/16	Amit	Shah	MOVPE grown AlGa <sub>N</sub> /Ga <sub>N</sub> high electron mobility transistors	High Frequency Devices	Y	Y
HFD/17	Meena	Mishra	Effect of de-embedding structures in accurate small signal model prediction of high frequency devices	High Frequency Devices	Y	Y
HFD/18	Meena	Mishra	Prediction of Noise performance of PHEMT devices from DC Characteristics	High Frequency Devices	Y	Y
HFD/19	samuder	gupta	Design of K-band MMIC amplifier using 0.5 um PHEMT	High Frequency Devices	Y	Y
HFD/20	Anushree	Tomer	Study of Pt interlayer based NiGeAu ohmic contacts to pHEMTs	High Frequency Devices	Y	Y
HFD/21	somna	mahajan	Effect of Ag interlayer and selection of liner in the sequentially evaporated Ni/Ge based ohmic contacts in p-HEMTs	High Frequency Devices	Y	Y
HFD/22	Md. Onirban	Islam	Study for the High Operating Frequency of InN-based Gunn Diode	High Frequency Devices	Y	Y

HFD/23	Purnima	kumari	Design and fabrication of 8-8.5 GHz PHEMT based MMIC amplifier	High Frequency Devices	Y	Y
HFD/24	Saptarshi	Mandal	Simulation of carrier concentration and electric field between gate and drain in GaAs MESFETs using finite element method	High Frequency Devices	Y	Y
HFD/25	Parul	Dhakad	Design of a high isolation series-shunt S-band SPDT switch	High Frequency Devices	Y	Y
HFD/26	Moumita	Mukherjee	Cubic GaN-based IMPATT Device: A Promising High-Power Terahertz Source		Y	Y
HPD/1	Gang	Xie	Resistance-Controlled-Anode LIGBT eliminating Negative Differential Regime	High power Devices	Y	Y
HPD/2	Pravash	Tripathy	Comparison between the DC and Microwave Performance of Wurtzite Phase and Zincblende Phase GaN-based Impatts	High power Devices	Y	Y
HPD/3	Radhakrishnan	Sithanandam	SiGe Extended-p+ Source for Enhanced Safe Operating Area in SOI LDMOS	High power Devices	Y	Y
HPD/4	Moumita	Mukherjee	MM-wave performance of DDR Impatts based on Cubic Silicon Carbide	High power Devices	Y	Y
HPD/5	Liann-Be	Chang	Enhanced Electromagnetic Pulse Protection Configuration Using AlGaN/GaN MSM 2-DEG Varactor	High power Devices	Y	Y
HPD/6	Brajesh	Pandey	Suitability of DEMOS for Sub-micron I/O Applications	High power Devices	Y	Y
HPD/7	Deepti Mongia	Sood	Layout Design for AlGaN/GaN Power HEMT	High power Devices	Y	Y
HPD/8	Liann-Be	Chang	Enhanced Electromagnetic Pulse Protection Configuration Using AlGaN/GaN MSM 2-DEG Varactor	High power Devices	Y	NA
HPD/9		SAMANTA	Hot Carrier Induced Degradation in 60V LDMOS: Model and Mechanism			
IR/1	Raghvendra	Saxena	Effect of process steps on the formation of thin platinum silicide films for IR detectors	Infra-red devices and materials	Y	Y
IR/2	Shreyas	Shah	A comparative study of single and bilayer InAs/GaAs quantum dots with a higher InAs monolayer coverage	Infra-red devices and materials	Y	Y
IR/3	O.P.	Singh	Growth and Characterization of Substituted Anilines and Amino Acids	Infra-red devices and materials	Y	NA
IR/4	Ausama I.	Khudiar	Optical and Structure Study of CdSe Thin Film	Infra-red devices and materials	Y	Y
IR/5	Preeti	Garg	Growth & Characterisation of Large Diameter Sb:Ge single crystal by Czochralski method	Infra-red devices and materials	Y	Y
IR/6	Vanya	Srivastav	Modeling of MWIR HgCdTe Diodes with High Perimeter to Area Ratio in a Variable Area Diode Array Experiment	Infra-red devices and materials	Y	Y
IR/7	Anand	Singh	Characterization of HgCdTe epilayers for Infrared detector array fabrication	Infra-red devices and materials	Y	Y
IR/8	Nandkumar	Sankeshwar	Infra-red free carrier absorption in GaN	Infra-red devices and materials	Y	Y
IR/9	Samit	Ray	Infrared photocurrent detection using intersubband transitions in MBE grown Ge quantum dots	Infra-red devices and materials	Y	NA
IR/10	Rachna	Manchanda	Room temperature IR detection by Indium doped HgCdTe	Infra-red devices and materials	Y	Y
IR/11	Ritu	Rashmi	Investigation of proton irradiation on photoluminescence of self-assembled InAs/GaAs quantum dots	Infra-red devices and materials	Y	Y
IR/12	Praveen	Saxena	Numerical Simulation of Simultaneous two color MCT based Photodetector	Infrared Materials and Devices	Y	Y
IR/13	RAGVENDRA	SAXENA	Use of Dynamic Resistance Voltage Characteristics for Performance Analysis of HgCdTe Photodiodes	Infrared Materials and Devices	Y	Y