

ADP012594	DEEP CENTERS AND THEIR CAPTURE BARRIERS IN MOCVD-GROWN GAN
ADP012595	NEAR-FIELD PHOTOLUMINESCENCE SPECTROSCOPY OF LOCALIZED STATES IN INGAASN ALLOYS
ADP012596	RAMAN AND PHOTOLUMINESCENCE MAPPING OF LATTICE MATCHED INGA/GAAS HETEROSTRUCTURES
ADP012597	QUANTUM DOTS OF INAS/GASB TYPE II SUPERLATTICE FOR INFRARED SENSING
ADP012598	QUANTUM DOT LONG-WAVELENGTH DETECTORS
ADP012599	ENHANCED PHOTOLUMINESCENCE FROM LONG WAVELENGTH INAS QUANTUM DOTS EMBEDDED IN A GRADED (IN,GA)AS QUANTUM WELL
ADP012600	A THEORETICAL STUDY OF STRUCTURAL DISORDER AND PHOTOLUMINESCENCE LINEWIDTH IN INGAAS/GAAS SELF ASSEMBLED QUANTUM DOTS
ADP012601	ELECTROLUMINESCENCE AND SPECTRAL SHIFT OF CDS NANOPARTICLES ON SI WAFER
ADP012602	INAS QUANTUM DOTS IN ALAS/GAAS SHORT PERIOD SUPERLATTICES: STRUCTURE, OPTICAL CHARACTERISTICS AND LASER DIODES
ADP012603	MULTI-COLOR QUANTUM WELL INFRARED PHOTODETECTORS FOR MID-, LONG-, AND VERY LONG- WAVELENGTH INFRARED APPLICATIONS
ADP012604	A BOWTIE ANTENNA COUPLED TUNABLE PHOTON-ASSISTED TUNNELING DOUBLE QUANTUM WELL (DQW) THZ DETECTOR
ADP012605	FAST ROOM TEMPERATURE DETECTION OF STATE OF CIRCULAR POLARIZATION OF TERAHERTZ RADIATION
ADP012606	PBTE FLASH EVAPORATION ON SI <100> SUBSTRATES FOR HETEROJUNCTION INFRARED DETECTORS
ADP012607	GAAS PHOTODETECTOR FOR X-RAY IMAGING
ADP012608	LEAD TELLURIDE-BASED FAR-INFRARED PHOTODETECTORS. A PROMISING ALTERNATIVE TO DOPED SI AND GE
ADP012609	SCATTEROMETRY FOR LITHOGRAPHY PROCESS CONTROL AND CHARACTERIZATION IN IC MANUFACTURING
ADP012610	STRUCTURAL PROPERTIES AND DOPING OF ZN(1-X)(MG,LI)(X)O MATERIALS
ADP012611	DEPTH PROFILING OF SIC LATTICE DAMAGE USING MICRO-RAMAN SPECTROSCOPY
ADP012612	NEW APPROACH TOWARDS THE DEPOSITION OF I-III-VI THIN FILMS
ADP012613	COMPARISON OF ALGAAS OXIDATION IN MBE AND MOCVD GROWN SAMPLES
ADP012614	HOLE CONCENTRATION VS. MN FRACTION IN A DILUTED (GA,MN)AS FERROMAGNETIC SEMICONDUCTOR
ADP012615	PHOTOLUMINESCENCE FROM ER-IMPLANTED 4H AND 6H-SIC

ADP012616	CONTROL OF ZNO MORPHOLOGY BY SOLUTION ROUTE
ADP012617	INFLUENCE OF ER AND 0 DOSES IN ER-RELATED EMISSION IN AL _{0.70} GA _{0.30} AS:ER
ADP012618	INTERSUBBAND TRANSITIONS IN INGAAS/INALAS MULTIPLE QUANTUM WELLS GROWN ON INP SUBSTRATE
ADP012619	CALCULATIONS OF DIELECTRIC CONSTANT FOR ALGAINAS QUATERNARY SEMICONDUCTOR ALLOY IN THE TRANSPARENT REGION AND ABOVE (0.4-4.0eV)
ADP012620	ANNEALING OF SOME II-IV-V ₂ CRYSTALS IN THE VAPOR OF VOLATILE CONSTITUENTS
ADP012621	RADIATIVE RECOMBINATION PROCESSES OF THERMAL DONORS IN SILICON
ADP012622	ANNEALING EFFECT ON THE NONRADIATIVE CARRIER RECOMBINATION IN ALGAAS/GAAS INVESTIGATED BY A PIEZOELECTRIC PHOTOTHERMAL SPECTROSCOPY
ADP012623	OPTICALLY DETECTED MAGNETIC RESONANCE STUDY OF CORE-SHELL AND ALLOY NANOCRYSTALS OF HGTE AND CDS
ADP012624	ON THE SCALING OF EXCITON AND IMPURITY BINDING ENERGIES AND THE VIRIAL THEOREM IN SEMICONDUCTOR QUANTUM WELLS AND QUANTUM-WELL WIRES
ADP012625	INTRA-MAGNETOEXCITON TRANSITIONS IN SEMICONDUCTOR QUANTUM WELLS
ADP012626	ELECTRON SCATTERING IN TWO-DIMENSIONAL DISORDERED HETEROSTRUCTURES
ADP012627	EXCITON DIAMAGNETIC SHIFTS AND MAGNETIC FIELD DEPENDENT LINEWIDTHS IN ORDERED AND DISORDERED INGA _P ALLOYS
ADP012628	FIELD EMISSION ENHANCEMENT OF DLC FILMS USING TRIPLE-JUNCTION TYPE EMISSION STRUCTURE
ADP012629	LUMINESCENCE OF QUASI-2DEG IN HETEROSTRUCTURES BASED ON PBS FILMS
ADP012630	AINAS MATERIAL PROPERTIES FOR LONG WAVELENGTH OPTO-ELECTRONIC DEVICES
ADP012631	EXCITONIC DIAMAGNETIC SHIFTS AND MAGNETIC FIELD DEPENDENT LINEWIDTHS IN ALXGA _{1-X} AS ALLOYS
ADP012632	NOVEL ALGAAS/CAF ₂ SESAM DEVICE FOR ULTRASHORT PULSE GENERATION
ADP012633	OPTICAL CHARACTERIZATION OF IV-VI MID-INFRARED VCSEL
ADP012634	SB-BASED MID-INFRARED DIODE LASERS
ADP012635	THIN FILMS OF ANTIMONY-TIN OXIDE AS COUNTER-ELECTRODES FOR PROTON WORKING ELECTROCHROMIC DEVICES
ADP012636	SB-TERMINATED INAS(001)-(2X4) AND (2X8) STUDIED USING SCANNING TUNNELING MICROSCOPY AND AB INITIO DENSITY FUNCTIONAL THEORY

ADP012637	EFFECT OF MARANGONI CONVECTION ON INSB SINGLE CRYSTAL GROWTH BY HORIZONTAL BRIDGMAN METHOD
ADP012638	ASYMMETRIC HYBRID A1(GA)SBAS/INAS/CD(MG)SE HETEROSTRUCTURES FOR MID-IR LEDS AND LASERS
ADP012639	LOCAL VIBRATIONAL MODES OF CARBON-HYDROGEN COMPLEXES IN PROTON IRRADIATED ALGAN
ADP012640	EFFECTS OF ION BOMBARDING AND NITROGENATION ON THE PROPERTIES OF PHOTOVOLTAIC A-CNX THIN FILMS
ADP012641	DOPING PROFILES OF N-TYPE GAAS LAYERS GROWN ON SI BY THE CONFORMAL METHOD
ADP012642	GALLIUM VACANCY IN GASB STUDIED BY POSITRON LIFETIME SPECTROSCOPY AND P PHOTOLUMINESCENCE
ADP012643	CHARACTERIZATION OF LIINS2 AND LIINSE2 SINGLE CRYSTALS FOR NONLINEAR OPTICAL APPLICATIONS
ADP012644	OPTICAL CONSTANTS OF ANNEALED A-SI:H FROM TRANSMITTANCE AT NORMAL INCIDENCE
ADP012645	FIELD EFFECT CONTROLLED PHOTORESISTORS BASED ON CHEMICALLY DEPOSITED PBS FILMS
ADP012646	PHOTO-STIMULATED REBUILDING OF STRUCTURE IN SEMICONDUCTORS
ADP012647	LUMINESCENCE FROM ERBIUM OXIDE GROWN ON SILICON
ADP012648	HIGH-PERFORMANCE INAS/GAAS QUANTUM DOTS INFRARED PHOTODETECTOR WITH/WITHOUT AL(0.2)GA(0.8)AS BLOCKING LAYERS
ADP012649	CURRENT IMAGES OF CDSE COLLOIDAL NANODOTS OBSERVED BY CONDUCTIVE-TIP ATOMIC FORCE MICROSCOPY
ADP012650	SHALLOW-DONOR STATES IN SPHERICAL QUANTUM DOTS WITH PARABOLIC CONFINEMENT
ADP012651	CONTINUOUS AND TIME RESOLVED OPTICALLY DETECTED MAGNETIC RESONANCE STUDIES OF INP NANOPARTICLES
ADP012652	AIRPLANE AND DROP EXPERIMENTS ON CRYSTALLIZATION OF INXGA1-XSB SEMICONDUCTOR UNDER DIFFERENT GRAVITY CONDITIONS
ADP012653	I-V AND C-V CHARACTERISTICS OF NGAAS-NINSB HETEROJUNCTIONS OBTAINED BY PULSED LASER DEPOSITION TECHNIQUE
ADP012654	EFFECTS OF ELECTRIC FIELDS ON CATHODOLUMINESCENCE FROM II-VI QUANTUM WELL LIGHT EMITTING DIODES
ADP012655	GAS SOURCE MBE GROWTH AND CHARACTERIZATION OF TLINGAAS/INP DH STRUCTURES FOR TEMPERATURE-INDEPENDENT WAVELENGTH LD APPLICATION
ADP012656	EFFECT OF ZN ATOM DIFFUSION IN THE ACTIVE LAYER OF INGAALP VISIBLE-LED INVESTIGATED BY THE PIEZOELECTRIC PHOTOTHERMAL SPECTROSCOPY

ADP012657	STRATEGIES FOR DIRECT MONOLITHIC INTEGRATION OF ALXGA(1-X)AS/INXGA(1-X)AS LEDS AND LASERS ON GE/GESI/SI SUBSTRATES VIA RELAXED GRADED GEXSI(1-X) BUFFER LAYERS
ADP012658	SYNTHESIS OF NANOSIZED LITHIUM MANGANATE FOR LITHIUM-ION SECONDARY BATTERIES
ADP012659	IMPROVED ROUTES TOWARDS SOLUTION DEPOSITION OF INDIUM SULFIDE THIN FILMS FOR PHOTOVOLTAIC APPLICATIONS
ADP012660	THIRD ORDER MODE OPTICALLY PUMPED SEMICONDUCTOR LASER FOR AN INTEGRATED TWIN PHOTON SOURCE IN QUANTUM OPTICS
ADP012661	ON THE OPTICAL MEMORY OF A THIN-FILM PLNSB-NCDTE HETEROJUNCTION OBTAINED BY LASER PULSED DEPOSITION
ADP012662	QUANTITATIVE SECONDARY ION MASS SPECTROMETRY (SIMS) OF III-V MATERIALS
ADP012663	PREPARATION OF CDS/ZNO CORE/SHELL STRUCTURED NANOPARTICIES BY HYDROTHERMAL METHOD
ADP012664	DEVELOPMENT OF AIIBVI SEMICONDUCTORS DOPED WITH CR FOR IR LASER APPLICATION
ADP012665	OXIDATION KINETICS AND MICROSTRUCTURE OF WET-OXIDIZED MBF-GROWN SHORT-PERIOD ALGAAS SUPERLATTICES
ADP012666	SPACE RADIATION EFFECTS IN ADVANCED SOLAR CELL MATERIALS AND DEVICES
ADP012667	THERMAL ANNEAL EFFECTS ON CARBON-HYDROGEN LVMS IN A1GAN
ADP012668	IRRADIATION EFFECTS IN SPACE SOLAR CELLS MADE OF MULTIPLE ABSORBERS
ADP012669	ION IMPLANTATION INDUCED INTERDIFFUSION IN QUANTUM WELLS FOR OPTOELECTRONIC DEVICE INTEGRATION
ADP012670	THE INFLUENCE OF ANNEALING TEMPERATURE AND DOPING ON THE RED/NEAR-INFRARED LUMINESCENCE OF ION IMPLANTED SIO ₂ :NC-SI
ADP012671	PHOTO-ASSISTED MOVPE GROWTH OF ZNMGS ON (100) SI
ADP012672	OPTICAL VIBRATIONAL AND STRUCTURAL PROPERTIES OF GE _{1-X} SN _X ALLOYS BY UHV-CVD
ADP012673	PULSED LASER DEPOSITION AND CHARACTERIZATION OF ZN(1-X)MN(X)O FILMS
ADP012674	INP SELF ASSEMBLED QUANTUM DOT LASERS GROWN ON GAAS SUBSTRATES BY METALORGANIC CHEMICAL VAPOR DEPOSITION
ADP012675	EFFECTS OF AS DOPING ON PROPERTIES OF ZNO FILMS
ADP012676	GROWTH OF THE SINGLE-CRYSTALLINE ZNO FILMS ON SI (111) SUBSTRATES BY PLASMA-ASSISTED MOLECULAR-BEAM EPITAXY
ADP012677	PROPERTIES OF 2D AND 3D DIELECTRIC STRUCTURES FABRICATED BY ELECTROCHEMICAL DISSOLUTION OF III-V COMPOUNDS

ADP012678	TRANSMISSION CHARACTERIZATION OF DRILLED ALTERNATING-LAYER THREE-DIMENSIONAL PHOTONIC CRYSTALS
ADP012679	INTERFERENCE LITHOGRAPHY FOR 3D PHOTONIC BAND GAP CRYSTAL LAYER BY LAYER FABRICATION
ADP012680	SIMULATIONS OF REALIZABLE PHOTONIC BANDGAP STRUCTURES WITH HIGH REFRACTIVE CONTRAST
ADP012681	OPTICAL STUDY OF 2D PHOTONIC CRYSTALS IN AN INP/GAINASP SLAB WAVEGUIDE STRUCTURE
ADP012682	FABRICATION OF MICROSTRUCTURES FOR MICROPHOTONIC CIRCUIT
ADP012683	TWO DIMENSIONAL PHOTONIC CRYSTAL MODES AND RESONANCES IN THREE-DIMENSIONAL STRUCTURES
ADP012684	ARTIFICIAL SECOND ORDER NON-LINEARITY IN PHOTONIC CRYSTALS
ADP012685	ATOMISTIC MODELING OF III-V SEMICONDUCTORS: THERMODYNAMIC EQUILIBRIUM AND GROWTH KINETICS
ADP012686	PARTICLE FILTERS FOR REAL-TIME FAULT DETECTION IN PLANETARY ROVERS
ADP012687	HYBRID MODELING AND DIAGNOSIS IN THE REAL WORLD: A CASE STUDY
ADP012688	A MODEL-BASED DIAGNOSIS FRAMEWORK FOR DISTRIBUTED SYSTEMS
ADP012689	MODEL-BASED TOOLS FOR THE INTEGRATION OF DESIGN AND DIAGNOSIS INTO A COMMON PROCESS - A PROJECT REPORT
ADP012690	SUGGESTIONS FROM THE SOFTWARE ENGINEERING PRACTICE FOR APPLYING CONSISTENCY-BASED DIAGNOSIS TO CONFIGURATION KNOWLEDGE BASES
ADP012691	CONSISTENCY-BASED FAULT ISOLATION FOR UNCERTAIN SYSTEMS WITH APPLICATIONS TO QUANTITATIVE DYNAMIC MODELS
ADP012692	MERGING INDISCRIMINABLE DIAGNOSES: AN APPROACH BASED ON AUTOMATIC DOMAINS ABSTRACTION
ADP012693	STRUCTURAL ANALYSIS UTILIZING MSS SETS WITH APPLICATION TO A PAPER PLANT
ADP012694	DIAGNOSTIC REASONING WITH MULTILEVEL SET-COVERING MODELS
ADP012695	COMPUTING MINIMAL CONFLICTS FOR RICH CONSTRAINT LANGUAGES
ADP012696	A MODEL COUNTING CHARACTERIZATION OF DIAGNOSES
ADP012697	COMPUTING MINIMAL HITTING SETS WITH GENETIC ALGORITHM
ADP012698	MODEL-BASED DIAGNOSIS FOR INFORMATION SURVIVABILITY
ADP012699	OBSERVATION SAND RESULTS GAINED FROM THE JADE PROJECT
ADP012700	HYBRID DIAGNOSIS WITH UNKNOWN BEHAVIORAL MODES
ADP012701	STATE TRACKING OF UNCERTAIN HYBRID CONCURRENT SYSTEMS
ADP012702	HCBPS: COMBINING STRUCTURE-BASED AND TMS-BASED APPROACHES IN MODEL-BASED DIAGNOSIS

ADP012703	POSSIBLE CONFLICTS, ARRS, AND CONFLICTS
ADP012704	MODEL-BASED RELIABILITY AND DIAGNOSTIC: A COMMON FRAMEWORK FOR RELIABILITY AND DIAGNOSTICS
ADP012705	FAR-SIGHTED DIAGNOSIS OF ACTIVE SYSTEMS
ADP012706	MODEL-BASED MONITORING OF PIECEWISE CONTINUOUS BEHAVIORS USING DYNAMIC UNCERTAINTY SPACE PARTITIONING
ADP012707	OBJECT-ORIENTED DYNAMIC BAYESIAN NETWORK-TEMPLATES FOR MODELLING MECHATRONIC SYSTEMS
ADP012708	DEVELOPMENT TOOL FOR DISTRIBUTED MONITORING AND DIAGNOSIS SYSTEMS
ADP012709	USING SUPERVISED LEARNING TECHNIQUES FOR DIAGNOSIS OF DYNAMIC SYSTEMS
ADP012710	FAULT ISOLATION USING PROCESS ALGEBRA MODELS
ADP012711	DISTRIBUTED DIAGNOSIS OF NETWORKED, EMBEDDED SYSTEMS
ADP012712	MASTER EQUATIONS FOR THE MICRO-STATES DESCRIPTION OF CARRIER RELAXATION AND RECOMBINATION IN QUANTUM DOTS
ADP012713	QUANTUM-DOT CELLULAR AUTOMATA DEVICES AND ARCHITECTURES
ADP012714	GENERATION AND RECOMBINATION IN SEMIMETALLIC HETEROSTRUCTURES
ADP012715	SPECTRAL HOLE BURNING OF EU ²⁺ IN SELECTIVELY DOPED CAF ₂ :EU/CDF ₂ SUPERLATTICES
ADP012716	DETAILS OF VALENCE BAND STRUCTURE OF P-GAAS/AIGAAS SYMMETRIC QUANTUM WELLS UNRAVELED BY UNIAXIAL COMPRESSION
ADP012717	GIANT DROP OF THE LATTICE THERMAL CONDUCTIVITY DUE TO CONFINEMENT OF ACOUSTIC PHONONS
ADP012718	LINEARLY POLARISED PHOTOLUMINESCENCE IN ZNSE/BETE SUPERLATTICES WITH NO COMMON ATOM AT THE INTERFACES
ADP012719	EFFECT OF LATERAL BOUNDARY CONDITIONS ON ELECTRON STATES IN TUNNEL-COUPLED QUANTUM WELLS
ADP012720	ELECTRON SATURATED VELOCITIES IN SILICON CARBIDE POLYTYPES FOR DRIFT DIRECTION ALONG CRYSTAL AXIS
ADP012721	ACTIVATIONLESS ELECTRON AND HOLE RECOMBINATION RATE IN SEMIMETALLIC SINGLE AND DOUBLE QUANTUM WELLS
ADP012722	THE THICKNESS DEPENDENCE OF IR-REFLECTANCE FROM AL QUANTUM WELLS
ADP012723	HOT ELECTRON BIREFRINGENCE AND ABSORPTION IN TUNNEL-COUPLED QUANTUM WELLS DUE TO REAL SPACE TRANSFER
ADP012724	AUGER RECOMBINATION IN A QUANTUM WELL IN A QUANTIZING MAGNETIC FIELD

ADP012725	ELECTRONIC SUPERSTRUCTURES IN DOPED SEMICONDUCTOR SUPERLATTICES
ADP012726	NONHARMONIC BLOCH OSCILLATIONS IN GAAS/AIGAAS SUPERLATTICES
ADP012727	CORRELATED DOPANT DISTRIBUTIONS IN DELTA-DOPED LAYERS
ADP012728	ROOM TEMPERATURE BALLISTIC TRANSPORT IN DEEPLY ETCHED CROSS-JUNCTIONS
ADP012729	ON THE APPLICABILITY OF MINIBAND TRANSPORT IN SEMICONDUCTOR SUPERLATTICES
ADP012730	HIGH FREQUENCY PROPERTIES OF ELECTRON WAVEGUIDES, AC-ADMITTANCE, SCATTERING PARAMETERS, PLASMA OSCILLATIONS
ADP012731	PHONON GENERATION BY CURRENT-CARRYING NANOWIRES
ADP012732	ELECTRON VELOCITY MODULATION UNDER LATERAL TRANSPORT IN THE WEAKLY-COUPLED DOUBLE QUANTUM WELL STRUCTURE
ADP012733	FABRICATION AND ELECTRON TRANSPORT PROPERTIES OF SUPERCONDUCTING-NORMAL METAL (BALLISTIC) NANOSTRUCTURES
ADP012734	ONE-DIMENSIONAL MINIBAND TRANSPORT IN DOPED GAAS/ALAS SUPERLATTICES
ADP012735	COULOMB INTERACTION AND CHARGING EFFECTS IN CONDUCTANCE OF MESOSCOPIC QUANTUM WIRE STRUCTURES
ADP012736	FABRICATION OF METALLIC NANOSTRUCTURES BY LOCAL OXIDATION WITH A SCANNING PROBE MICROSCOPE
ADP012737	STEPS TOWARDS THE REALIZATION OF NOVEL PROTOTYPE FUNCTIONAL DEVICES USING SCANNING PROBE MICROSCOPY
ADP012738	CHARGE STRUCTURES INTERACTION IN LOW TEMPERATURE STM SURFACE INVESTIGATIONS
ADP012739	ATOMIC RESOLUTION OBSERVATION OF GAAS DOPED WITH SN BY SCANNING TUNNELING MICROSCOPY
ADP012740	AB INITIO STUDY ON SPIN POLARIZATION OF III-V COMPOUND TIPS
ADP012741	SPATIALLY RESOLVED LOW-TEMPERATURE SCANNING TUNNELING SPECTROSCOPY ON AUFE SPIN-GLASS FILMS
ADP012742	ATOMIC FORCE MICROSCOPY OF FULLERENE-INDOPANE MONOLAYERS
ADP012743	IN SITU STM/STS INVESTIGATION OF LIGHT INDUCED NAPHTHACENEQUINONE MOLECULES CONFORMATION TRANSFORMATIONS
ADP012744	ASYMMETRY OF THE HALL CONDUCTANCE FLUCTUATIONS IN A RANDOM MAGNETIC FIELD
ADP012745	ANOMALOUS MAGNETORESISTANCE IN MULTY-LEVEL 2D SYSTEMS
ADP012746	CONDUCTANCE QUANTIZATION IN QUASI-2D ELECTRON SYSTEMS WITH STRONG FLUCTUATION POTENTIAL
ADP012747	INTERFACES CORRELATION EFFECT IN 2D GAAS/ALAS HETEROSTRUCTURES

ADP012748	IMPURITY POTENTIAL BROADENING OF THE LANDAU LEVEL AS MEASURED BY AN ACOUSTOELECTRONIC METHOD
ADP012749	WEAK LOCALIZATION AND INTERSUBBANDS TRANSITIONS IN DELTA-DOPED GAAS
ADP012750	DENSITY OF STATES OF TUNNEL-COUPLED 2D ELECTRON LAYERS IN STRONG MAGNETIC FIELDS
ADP012751	ULTRAHIGH-SENSITIVE FAR-INFRARED DETECTION BASED ON QUANTUM HALL DEVICES
ADP012752	FAR-INFRARED SPONTANEOUS INTRABAND EMISSION FROM LASER STRUCTURES WITH QUANTUM DOTS AND QUANTUM WELLS
ADP012753	FAR INFRARED PHENOMENA IN P-TYPE MQW HETEROSTRUCTURES UNDER LATERAL ELECTRIC FIELD
ADP012754	FIR EMISSION AND ABSORPTION DUE TO INDIRECT OPTICAL TRANSITIONS OF HOT ELECTRONS IN GAAS/ALGAAS QW
ADP012755	FAR INFRARED EMISSION AND POSSIBILITY OF POPULATION INVERSION OF HOT HOLES IN MQW TNGAAS/GAAS HETEROSTRUCTURES UNDER REAL SPACE TRANSFER
ADP012756	IR LASING SCHEME ON X-F TRANSITIONS UNDER REAL SPACE TRANSFER IN N-TYPE GAAS-ALAS-LIKE MQW HETEROSTRUCTURES
ADP012757	INVESTIGATION OF HOT HOLE DISTRIBUTION AND REAL SPACE TRANSFER BY INTERBAND ABSORPTION IN P-TYPE INGAAS/GAAS MQW HETEROSTRUCTURES
ADP012758	A 35-177 MUM TUNABLE INTERSUBBAND EMITTER FOR THE FAR-INFRARED
ADP012759	LOW-DIMENSIONAL ELECTRON SEMICONDUCTOR STRUCTURES AS TUNABLE FAR-INFRARED AMPLIFIERS AND GENERATORS
ADP012760	ELECTRON TUNNELING THROUGH TRIPLE BARRIER STRUCTURE WITH INTERSUBBAND POPULATION INVERSION
ADP012761	CONTROL OF THE QUANTUM DOT ENERGY BY A PHOTON: OBSERVATION OF TWO-EXCITON AND THREE-EXCITON STATES IN QUANTUM DOTS
ADP012762	VERTICAL COUPLING OF QUANTUM ISLANDS IN THE CDSE/ZNSE SUBMONOLAYER SUPERLATTICES
ADP012763	ABSORPTION COEFFICIENT OF INGAAS V-SHAPED QUANTUM WIRES INTEGRATED IN OPTICAL WAVEGUIDES BY MBE GROWTH
ADP012764	OPTICAL REFLECTION SPECTRA OF OPEN ZNCDSE/ZNSE NANOWIRES
ADP012765	GIANT OPTICAL NONLINEARITY OF HETEROSTRUCTURES WITH INP SELF-ASSEMBLED QUANTUM DOTS
ADP012766	PHOTOLUMINESCENCE OF 1.8 ML INAS QUANTUM DOTS GROWN BY SMEE ON GAAS(100) MISORIENTED SURFACE
ADP012767	MAGNETIC FIELD EFFECTS ON CARRIERS CAPTURE TO QUANTUM DOTS

ADP012768	EXPERIMENTAL RESONANT TWO-PHOTON STUDY OF THE LOWEST CONFINED EXCITON FINE STRUCTURE IN CUCL QUANTUM DOTS
ADP012769	ELECTRON TRANSPORT IN A LATTICE OF DOPPED MANY-ELECTRONS QUANTUM DOTS: A GAPLESS HUBBARD INSULATOR
ADP012770	OBSERVATION OF INTERNAL ELECTRIC CHARGE IN INP SELF-ASSEMBLED QUANTUM DOTS
ADP012771	ELECTRON EFFECTIVE G FACTOR IN SMALL QUANTUM SYSTEMS
ADP012772	THE EFFECT OF 1.06 MU M ILLUMINATION ON THE PHOTOLUMINESCENCE OF TNAS/GAAS QUANTUM DOTS
ADP012773	TRANSPORT IN SINGLE ATOMIC JUNCTIONS: STRONG CORRELATION AND COULOMB BLOCKADE
ADP012774	SPM BASED REAL-TIME CONTROLLED ASSEMBLY OF PREDEFINED NANOSTRUCTURES FOR FABRICATION OF LATERAL QUANTUM DEVICES
ADP012775	QUANTUM MOTT TRANSITION IN MESOSCOPIC SEMICONDUCTORS
ADP012776	PROPOSAL FOR NEUTRAL DONORS IN QUANTUM WELLS TO ACT AS CHARGE STORAGE CENTRES FOR ROOM TEMPERATURE SINGLE ELECTRON MEMORIES
ADP012777	HYBRID SUPERCONDUCTOR-SEMICONDUCTOR TRANSISTORS
ADP012778	STRUCTURAL AND TUNNEL CHARACTERISTICS OF LANGMUIR FILMS BASED ON MOLECULAR CLUSTER NANOSTRUCTURES
ADP012779	INAS NANOSCALE ISLANDS ON SI SURFACE: A NEW TYPE OF QUANTUM DOTS
ADP012780	VERTICAL CORRELATIONS AND ANTI-CORRELATIONS IN MULTI-LAYERED ARRAYS OF 2D QUANTUM ISLANDS
ADP012781	SELF-ASSEMBLED FORMATION OF QUANTUM DOTS DURING INGAALAS QUANTUM WELL GROWTH
ADP012782	INDIUM SEGREGATION EFFECTS DURING GAAS CAP-LAYER GROWTH ON INAS-QUANTUM DOTS MONITORED BY REFLECTANCE ANISOTROPY SPECTROSCOPY
ADP012783	THE BOND PASSIVATION MODEL FOR CARBON NANOPARTICLE GROWTH
ADP012784	INAS SELF-ORGANIZED QUANTUM DOTS GROWN BY MOVPE IN IN _{0.53} GA _{0.7} AS MATRIX
ADP012785	MODELLING THE SELF-ORGANIZATION OF BORON CLUSTERS IN SILICON
ADP012786	EQUILIBRIUM COMPOSITION-MODULATED STRUCTURES IN EPITAXIAL FILMS OF SEMICONDUCTOR ALLOYS
ADP012787	INVESTIGATION OF SELF-ORGANIZED NANOHETEROSTRUCTURE PROPERTIES IN INGAASP SOLID SOLUTIONS
ADP012788	INGAAS QUANTUM WIRES IN 110 AND 110 GRATINGS: TWO V-GROOVES DIRECTIONS, TWO BEHAVIOR OF THE REGROWTH INTERFACE
ADP012789	INP BASED MATERIALS FOR LONG WAVELENGTH OPTOELECTRONICS GROWN IN MULTIWAFFER PLANETARY REACTORS

ADP012790	ENHANCED TWO-DIMENSIONAL PRECIPITATION OF EXCESS AS IN LT-GAAS DELTA-DOPED WITH SB
ADP012791	DELTA-DOPING OF GAAS BY SN
ADP012792	OPTIMIZATION OF MBE-GROWN GAAS PLANAR DOPED BARRIER DIODE STRUCTURES
ADP012793	GAN GROWN ON (101) NEODIUM GALLATE BY MBE WITH MAGNETRON RF PLASMA SOURCE
ADP012794	CORRELATION BETWEEN STRUCTURAL AND OPTICAL PROPERTIES OF NANOCRYSTAL PARTICLES PREPARED AT LOW TEMPERATURE PLASMA-ENHANCED CHEMICAL VAPOR DEPOSITION
ADP012795	SURFACE RELIEF INFLUENCE ON RHEED OSCILLATIONS SHAPE DURING MBE GROWTH
ADP012796	CORRELATION BETWEEN ELECTRICAL AND OPTICAL PROPERTIES OF POLYMER NANOSTRUCTURES BASED ON POLYDIACETYLENE
ADP012797	EFFECT OF LOCALIZED VIBRATIONS ON THE SI SURFACE CONCENTRATIONS OF HYDROGEN OR DEUTERIUM
ADP012798	CONDUCTIVITY AND ATOMIC STRUCTURE OF ISOLATED MULTIWALLED CARBON NANOTUBES
ADP012799	STRUCTURES AND ELECTRONIC TRANSPORT IN NANOELECTRONIC DEVICES BASED ON CARBON NANOTUBE COMPLEXES
ADP012800	POLARITON SPONTANEOUS EMISSION SUPERRADIANCE IN III-V SEMICONDUCTOR DOPED WITH QUANTUM WELLS OR QUANTUM DOTS
ADP012801	NON-LINEAR MEISSNER EFFECT IN MESOSCOPIC SUPERCONDUCTORS
ADP012802	HIERARCHY OF EFFECTIVE-MASS EQUATIONS FOR SEMICONDUCTOR NANOSTRUCTURES
ADP012803	RESONANT AND CORRELATION EFFECTS IN THE TUNNEL STRUCTURES WITH SEQUENTIAL 2D ELECTRON LAYERS IN A HIGH MAGNETIC FIELD
ADP012804	ELECTRICAL AND OPTICAL STUDIES OF TUNNELING TRANSPORT PHENOMENA IN ZN(CD)SE/ZN(MG)SSE QUANTUM WELL AND SUPERLATTICE STRUCTURES
ADP012805	ANALYTICAL THEORY OF THE COHERENT GENERATION IN THE RESONANT-TUNNELING DIODE
ADP012806	FABRICATION AND ELECTRICAL PROPERTIES OF THE MONOLAYER OF OXIDIZED NANOMETER-SIZE METALLIC GRANULES
ADP012807	INTERBAND MAGNETOTUNNELING IN RTS WITH TYPE II HETEROJUNCTIONS
ADP012808	INFLUENCE OF LOCALIZATION ON THE OPTICAL NONLINEARITIES INDUCED BY EXCITON-EXCITON INTERACTION IN SEMICONDUCTOR NANOSTRUCTURES
ADP012809	EXCITONS IN SEMICONDUCTOR QUANTUM WIRES CRYSTALLIZED IN TRANSPARENT DIELECTRIC MATRIX
ADP012810	ELECTRIC FIELD DEPENDENT DIMENSIONALITY OF EXCITONIC STATES IN SINGLE QUANTUM WELL STRUCTURES WITH ASYMMETRIC BARRIERS

ADP012811	DYNAMIC PROPERTIES OF EXCITONS IN GAAS/ALAS SUPERLATTICES FROM OPTICALLY DETECTED MAGNETIC RESONANCE AND LEVEL ANTICROSSING
ADP012812	SPECTROSCOPIC AND STRUCTURAL ASPECTS OF FEMTOSECOND DYNAMICS OF REFLECTIVITY OF AIGAAS/GAAS SUPERLATTICES
ADP012813	EXCITON-POLARITON BAND STRUCTURE IN QUANTUM-DOT LATTICES
ADP012814	OPTICAL EFFECT OF ELECTRIC FIELD ON INDIRECT EXCITON LUMINESCENCE IN DOUBLE QUANTUM WELLS OF GAAS
ADP012815	RESONANT WAVEGUIDING AND LASING IN STRUCTURES WITH INAS SUBMONOLAYERS IN AN ALGAAS MATRIX
ADP012816	INJECTION LASER BASED ON COMPOSITE INALAS/INAS VERTICALLY COUPLED QUANTUM DOTS IN ALGAAS MATRIX
ADP012817	EFFECT OF SPATIAL HOLE BURNING AND MULTI-MODE GENERATION THRESHOLD IN QUANTUM DOT LASERS
ADP012818	ANISOTROPIC POLARIZATION OF EMITTED AND ABSORBED LIGHT IN ZNSE BASED LASER STRUCTURES AND THIN ZNSE FILMS
ADP012819	CDSE FRACTIONAL-MONOLAYER ACTIVE REGION OF MBE GROWN GREEN (ZN,MG,CD) (S,SE) LASERS
ADP012820	COLLECTIVE SPONTANEOUS EMISSION OF FEMTOSECOND PULSES IN QUANTUM-WELL SEMICONDUCTOR LASERS
ADP012821	RADIATIVE CHARACTERISTICS OF INAS/INGAAS/INP QUANTUM DOT INJECTION LASERS
ADP012822	BLUE SHIFT OF ELECTROLUMINESCENCE IN ALGAASSB/INGAASSB DOUBLE HETEROSTRUCTURES WITH ASYMMETRIC BAND OFFSET CONFINEMENTS
ADP012823	IR LUMINESCENCE (1.6-1.9 MU M) OF COMPRESSIVE-STRAINED INGAAS/INP QUANTUM WELLS GROWN BY MOVPE
ADP012824	DFB LASER DIODE WITH VARIABLE DIFFRACTION GRATING PERIOD
ADP012825	DUAL MODULATION OF LASER DIODE EMISSION POLARIZATION
ADP012826	NEAR-FIELD RADIO-FREQUENCY MODULATED REFLECTANCE IN SEMICONDUCTOR STRUCTURES
ADP012827	ADMITTANCE SPECTROSCOPY OF SCHOTTKY BARRIER STRUCTURES WITH SELF-ASSEMBLED INAS/GAAS QUANTUM DOTS
ADP012828	MICROMAGNETIC PROPERTIES AND MAGNETIZATION REVERSAL OF NI NANOPARTICLES STUDIED BY MAGNETIC FORCE MICROSCOPY
ADP012829	SPACE-CHARGE SPECTROSCOPY OF SELF-ASSEMBLED QUANTUM DOTS INAS IN GAAS
ADP012830	XPS STUDY OF CU-CLUSTERS AND ATOMS IN CU/SIO2 COMPOSITE FILMS
ADP012831	THE FORMATION OF COPPER NANOCLUSTERS IN SIO2: AN X-RAY ABSORPTION STUDY
ADP012832	OBSERVATION OF A MARTENSITIC TRANSITION IN THE RAMAN SPECTRA OF

	ORDERED GAINP
ADP012833	ATOMIC FORCE MICROSCOPY AND STRUCTURAL STUDIES OF MBE-GROWN CDF2 LAYERS ON CAF2(111)
ADP012834	RAMAN STUDY OF OPTICAL VIBRATIONS IN INAS/GAAS SELF-ASSEMBLED QUANTUM DOTS
ADP012835	RAMAN SCATTERING IN STRAINED HIGHLY-DOPED P-TYPE GAAS/GAASP EPITAXIAL LAYERS
ADP012836	OPTICAL TRANSITIONS IN QUANTUM WELLS AND QUANTUM DOTS BASED ON SIGE HETEROSTRUCTURES
ADP012837	QUANTUM BISTABILITY IN A QUASI BILAYER HOLE SYSTEM FORMED IN WIDE POTENTIAL WELLS OF P-GESL/GE MQW HETEROSTRUCTURE
ADP012838	HOLE LEVELS IN GE SELF-ASSEMBLED QUANTUM DOTS PROBED WITH ROOM TEMPERATURE CAPACITANCE SPECTROSCOPY
ADP012839	MECHANISM OF PHOTOLUMINESCENCE FROM SL-NANOCRYSTALS FABRICATED IN SIO2 -MATRIX
ADP012840	SHALLOW ACCEPTORS IN STRAINED GE/GESI HETEROSTRUCTURES WITH WIDE QUANTUM WELLS
ADP012841	NEGATIVE MAGNETORESISTANCE AND HOLE-HOLE INTERACTION IN MULTILAYER HETEROSTRUCTURES P-GE/GE1-XSIX
ADP012842	FABRICATION OF SIGE QUANTUM WIRES BY SELF-ASSEMBLED LOCAL MOLECULAR BEAM GROWTH
ADP012843	ACCEPTOR STATES IN BORON DOPED SIGE QUANTUM WELLS
ADP012844	THE GROWTH KINETICS OF SI1-XGEX LAYERS FROM GERMANE AND SILANE
ADP012845	QUANTUM-DOT CELLULAR AUTOMATA - EXPERIMENTAL DEMONSTRATION OF A FUNCTIONAL CELL
ADP012846	SPECTRAL RESPONSE OF QUANTUM HALL EFFECT FAR INFRARED DETECTOR
ADP012847	NOISE IN METALLIC SET TRANSISTORS OF THE DIFFERENT CONTACT AREA BETWEEN THEIR ISLANDS AND A SUBSTRATE
ADP012848	ENHANCEMENT OF THE NONLINEAR RESPONSE OF THE SEMICONDUCTOR TUNNEL STRUCTURES IN THE SKIN-EFFECT REGIME
ADP012849	NUMERICAL HYDRODYNAMIC MODELING OF NON-LINEAR PLASMA OSCILLATIONS IN THE CONDUCTION CHANNELS OF FETS AND APPLICATION TO NON-LINEAR TRANSFORMATION OF HARMONIC SIGNALS
ADP012850	TRANSITION FROM COHERENT TO INCOHERENT SUPERLATTICES TRANSPORT
ADP012851	SINGLE PHOTON TURNSTILE DEVICE
ADP012852	GAN-BASED TWO-DIMENSIONAL ELECTRON DEVICES
ADP012853	II-VI LASER HETEROSTRUCTURES WITH DIFFERENT TYPES OF ACTIVE REGION
ADP012854	ELECTRONIC PROPERTIES AND MANY-BODY EFFECTS IN QUANTUM DOTS

ADP012855	QUANTUM DOTS FORMED BY ULTRATHIN CDSE-ZNSE INSERTIONS
ADP012856	SPIN SEPARATION IN SELF-ORGANIZED QUANTUM DOTS UNDER OPTICAL ORIENTATION OF ELECTRONS
ADP012857	LO PHONON MEDIATED RELAXATION IN INP SELF ASSEMBLED QUANTUM DOTS IN ELECTRIC FIELD
ADP012858	TEMPERATURE STUDIES OF SINGLE INP QUANTUM DOTS
ADP012859	START SHIFT OF INDIVIDUAL QUANTUM DOTS
ADP012860	OPTICAL AND MAGNETIC RESONANCE INVESTIGATIONS ON MN DOPED CDS NANOCRYSTALS
ADP012861	A NEW TYPE OF SURFACE WAVES ON THE OPEN METALLIZED NANOWIRES
ADP012862	MECHANISMS OF AUGER RECOMBINATION IN SEMICONDUCTOR QUANTUM WIRES
ADP012863	"UNUSUAL" TEMPERATURE BEHAVIOR OF THE PHOTOLUMINESCENCE OF THE INP AND INGAAS QUANTUM DOTS UNDER QUASIRESONANCE EXCITATION
ADP012864	EFFECT OF GAAS (001) SURFACE MISORIENTATION ON THE EMISSION FROM MBE GROWN INAS QUANTUM DOTS
ADP012865	COLD ANTI-STOKES PHOTOLUMINESCENCE OF INP SELF-ASSEMBLED QUANTUM DOTS IN THE PRESENCE OF ELECTRIC CURRENT
ADP012866	PHOTOLUMINESCENCE OF INAS/GAAS QUANTUM DOTS IN THE PRESENCE OF SUBBAND 1.06 UM EXCITATION
ADP012867	CLADDING LAYER EFFECT ON THE REFLECTANCE AND TRANSMISSION SPECTRA IN THE CDTE/CDZATE MQWS
ADP012868	PHOTOLUMINESCENCE STUDY OF ELECTRONIC STRUCTURE OF INAS QUANTUM DOTS GROWN ON GAAS VICINAL SURFACES
ADP012869	PHOTOLUMINESCENCE STUDY OF INP NANOSCALE ISLANDS GROWN BY MOVPE IN INGAAS/GAAS MATRIX
ADP012870	RAMAN STUDY OF THE TOPOLOGY OF INAS/GAAS SELF-ASSEMBLED QUANTUM DOTS
ADP012871	ELECTRON IN QUASIPANE SUPERLATTICE OF CYLINDRIC QUANTUM DOTS
ADP012872	NONLINEAR CONDUCTANCE OF QUANTUM WIRES NORMALLY PINCHED-OFF BY SURFACE POTENTIAL
ADP012873	MESOSCOPIC SUPERCONDUCTORS IN PROXIMITY TO NANOMAGNETS
ADP012874	TRANSPORT PROPERTIES OF INA1AS/INGAAS/INP GRADED NCHANNEL PSEUDOMORPHIC HIGH ELECTRON MOBILITY STRUCTURES
ADP012875	COULOMB DRAG IN DOUBLE LAYER SYSTEMS WITH CORRELATED DISORDER
ADP012876	QUANTUM TRANSPORT THEORY FOR SEMICONDUCTOR SUPERLATTICES
ADP012877	INFLUENCE OF STRUCTURAL TRANSITION IN METAL ON CHARGE TRANSPORT IN NANOCRYSTAL METAL-POLYMER-METAL SYSTEM

ADP012878	INFLUENCE OF A BUILT-IN POTENTIAL ON ELECTRON TRANSPORT PROPERTIES OF METALLIC BALLISTIC STRUCTURES, AS EVIDENCE OF QUANTUM-WELL EFFECT
ADP012879	LOW FLICKER NOISE GAN/A1GAN HETEROSTRUCTURE FIELD EFFECT TRANSISTORS WITH SUBMICROMETER CHANNEL
ADP012880	INFLUENCE OF A MAGNETIC FIELD ON THE COULOMB DRAG BETWEEN QUANTUM WIRES IN THE BALLISTIC REGIME
ADP012881	SCATTERING PROCESSES IN THE STRUCTURES WITH ONE-DIMENSIONAL LATERAL SUPERLATTICE
ADP012882	PROGRESS IN RED VERTICAL CAVITY SURFACE EMITTING LASERS
ADP012883	TEMPERATURE DEPENDENCE OF SPONTANEOUS EMISSION AND THRESHOLD CHARACTERISTICS FOR 1.3 UM INGAAS/GAAS QUANTUM DOT GAAS-BASED LASERS
ADP012884	SURFACE-MODE LASING FROM OPTICALLY PUMPED INGAN/GAN HETEROSTRUCTURES
ADP012885	3.3 W INJECTION HETEROLASER BASED ON SELF-ORGANIZED QUANTUM DOTS
ADP012886	106 AND 1.3 UM RESONANT CAVITY-ENHANCED PHOTODETECTORS BASED ON INGAAS QUANTUM DOTS
ADP012887	LASING FROM QUANTUM DOTS FORMED BY ACTIVATED ALLOY SPINODAL DECOMPOSITION ON INAS STRESSORS
ADP012888	1.3 UM EMISSION FROM 2 ML INAS QUANTUM DOTS IN A GAAS MATRIX
ADP012889	QW DIODE LASER MODULATION BY LATERAL GAIN TAILORING
ADP012890	PECULIARITIES OF RADIATIVE RECOMBINATION IN BEMGZNSE/ZNCDSE INJECTION LASERS
ADP012891	HIGH POWER BROADBAND SINGLELOBE INGAASP/INP SUPERLUMINESCENT DIODE
ADP012892	PECULIARITIES OF PHOTOLUMINESCENCE AND ELECTROLUMINESCENCE PROPERTIES OF SPONTANEOUSLY FORMED PERIODICAL INGAASP/GAAS STRUCTURES
ADP012893	ACOUSTO-ELECTRIC TRANSPORT THROUGH A TWO-DIMENSIONAL SYSTEM IN THE NONLINEAR REGIME
ADP012894	THE PLATEAU-INSULATOR PHASE TRANSITION IN THE QUANTUM HALL REGIME
ADP012895	HIGH-FREQUENCY HOPPING CONDUCTIVITY OF TWO-DIMENSIONAL ELECTRONIC SYSTEM IN GAAS/A1GAAS HETEROSTRUCTURES (ACOUSTICAL METHOD)
ADP012896	REDUCTION OF THE INTERSUBBAND SCATTERING DELTA DOPED LAYERS BY THE LORENTZ-FORCE OF AN IN-PLANE MAGNETIC FIELD
ADP012897	ROLE OF INTENSIVE INTERSUBBAND TRANSITIONS IN SHUBNLKOV-DE HAAS OSCILLATIONS AND IN WEAK LOCALIZATION

ADP012898	HIGH-TEMPERATURE CONDUCTANCE QUANTIZATION: THE CASE OF QUASI-2D PERCOLATING STRUCTURES
ADP012899	ANTIDOT LATTICE IN QHE REGIME: MACROSCOPIC LIMIT
ADP012900	REAL-SPACE TRANSFER OF ELECTRONS UNDER A RANDOM POTENTIAL: A POSSIBLE MECHANISM OF CURRENT INSTABILITY IN HETEROSTRUCTURES
ADP012901	ELECTROSTATICS AND KINETICS OF 2D ELECTRONS IN LATERAL SUPERLATTICES ON VICINAL PLANES
ADP012902	ANOMALOUS MAGNETOCONDUCTANCE DUE TO WEAK LOCALIZATION IN 2D SYSTEMS WITH ANISOTROPIC SCATTERING: COMPUTER SIMULATION
ADP012903	UNUSUALLY WIDE PLATEAU OF THE QUANTUM HALL EFFECT IN A QUAD BILAYER HOLE SYSTEM INSIDE THE P-GESI/GE/P-GESU QUANTUM WELL
ADP012904	2D LATTICES OF FERROMAGNETIC NANOPARTICLES AS SUPERMAGNETICS
ADP012905	FABRICATION AND MAGNETIC PROPERTIES OF 2D ARRAYS OF NANOPARTICLES
ADP012906	GRANULATED METALLIC NANOSTRUCTURE FABRICATED BY LASER ABLATION
ADP012907	THREE-DIMENSIONAL (3D) ARRAYS OF SILICON NANOSIZE ELEMENTS IN THE VOID SUBLATTICE OF ARTIFICIAL OPALS
ADP012908	THE PREPARATION OF ORDERED COLLOIDAL MAGNETIC PARTICLES BY MAGNETOPHORETIC DEPOSITION
ADP012909	STRUCTURE OF STACKED INAS QUANTUM DOTS IN A SI MATRIX: HRTEM EXPERIMENTAL RESULTS AND MODELING
ADP012910	CROSS-SECTIONAL ATOMIC FORCE MICROSCOPY OF ZNSE-BASED LASER DIODES
ADP012911	LOW TEMPERATURE SCANNING TUNNELING SPECTROSCOPY OF DIFFERENT INDIVIDUAL IMPURITIES ON GAAS (110) SURFACE AND IN SUBSURFACE LAYERS
ADP012912	SECOND HARMONIC GENERATION PROBING OF MNAS/SI(111) HETEROSTRUCTURES
ADP012913	ELECTRONIC STRUCTURE OF STACKED SELF-ORGANIZED INAS/GAAS QUANTUM DOTS
ADP012914	ATOMIC FORCE MICROSCOPY CHARACTERIZATION OF NANOSTRUCTURED MATERIALS USING SELECTIVE CHEMICAL ETCHING
ADP012915	IONIZED STATES IN THE III-V HETEROSTRUCTURE MEASURED BY LOW-TEMPERATURE CAPACITANCE SPECTROSCOPY WITH OPTICAL EXCITATION
ADP012916	ELECTRON TUNNELLING AT SURFACES OF MOTT INSULATING D- AND F-METAL OXIDES: AND AB-INITIO INTERPRETATION OF STM IMAGES
ADP012917	X-RAY RECIPROCAL SPACE MAPPING OF COINCIDED AS-CLUSTERS/GAAS AND DELTA-INAS/GAAS SUPERLATTICES GROWN AT LOW TEMPERATURE
ADP012918	RESONANT TUNNELING THROUGH GAAS QUANTUM WELL WITH EMBEDDED INAS QUANTUM DOTS

ADP012919	THE STEP-LIKE FEATURES ON THE I-V CURVES OF THE RESONANT TUNNELING DIODES: CURRENT VORTEXES?
ADP012920	QUANTUM-WELL PLASMA INSTABILITY IN THE RESONANT TUNNELING REGIME
ADP012921	SCANNING TUNNELING MICROSCOPE INVESTIGATIONS OF LOCAL PHOTOCONDUCTIVITY IN INGAAS/GAAS QUANTUM-DIMENSIONAL NANOSTRUCTURES
ADP012922	TUNNELING BETWEEN STRONGLY LOCALIZED TWO-DIMENSIONAL ELECTRON SYSTEMS
ADP012923	RESONANT TUNNELING THROUGH SINGLE THIN BARRIER HETEROSTRUCTURE WITH SPACER LAYERS
ADP012924	INTERSUBBAND RESONANT POLARON IN NEAR-SURFACE DELTA-DOPED GAAS
ADP012925	INVESTIGATION OF THE CHARACTERISTICS OF INTERBAND RESONANT TUNNELING DIODES WITH MODIFIED BARRIERS
ADP012926	DYNAMICS AND STABILITY OF LATERAL CURRENT DENSITY PATTERNS IN RESONANT-TUNNELING STRUCTURES
ADP012927	TUNNELING QUANTUM CURRENT IN CARBON NANOTUBE'S JUNCTIONS
ADP012928	VIRTUAL-TUNNELING-ASSISTED VERTICAL CONDUCTION IN SUPERLATTICES WITH INTENTIONAL DISORDER
ADP012929	SPIN AND ENERGY RESOLVED NEAR-THRESHOLD ELECTRON PHOTOEMISSION FROM STRAINED GAAS/GAASP HETEROSTRUCTURE
ADP012930	SYMMETRY OF THE GAAS CRYSTAL WITH DELTA-DOPING SI LAYERS AND ITS INFLUENCE ON THE BAND STRUCTURE
ADP012931	OBSERVATION OF NEGATIVE PERSISTENT PHOTOCONDUCTIVITY IN GAAS DELTA-DOPED BY SN
ADP012932	EFFECTIVE-MASS APPROXIMATION FOR ELECTRONS IN ULTRATHIN HETEROLAYERS
ADP012933	POLARITON EFFECTS IN OPTICAL SPECTRA OF MICROCAVITIES
ADP012934	DRESSED POLARITON EMISSION IN III-V SEMICONDUCTOR DOPED WITH QUANTUM WELLS OR QUANTUM DOTS
ADP012935	LIGHT-EMITTING NANOCOMPOSITE FILMS ON THE BASE OF SILICON NITRIDE AND SILICON OXYNITRIDE LAYERS
ADP012936	SECOND HARMONIC GENERATION IN POROUS SILICON MULTILAYER PERIODIC STRUCTURES
ADP012937	OPTICAL SECOND HARMONIC GENERATION STUDIES OF THE DE-ELECTRIC FIELD SCREENING IN SI-SIO2 MULTIPLE QUANTUM WELLS
ADP012938	THE INFLUENCE OF DEPOSITION PARAMETERS ON THE STRUCTURE OF NANOCRYSTALLINE SILICON
ADP012939	RADIATIVE PROCESSES IN INGAN QUANTUM WELLS

ADP012940	QUANTUM CONFINED POCKELS EFFECT AND OPTICAL POLARIZED SPECTROSCOPY OF INTERFACES IN TYPE-II HETEROSTRUCTURES
ADP012941	IMPACT OF FANO RESONANCES ON THE WANNIER-STARK LADDER
ADP012942	ELECTRIC FIELD INDUCED INTERFERENCE IMPURITY IONIZATION IN COUPLED QUANTUM WELLS
ADP012943	MAGNETIC FIELD-INDUCED TYPE-I TYPE-II TRANSITION IN (ZUMU)SE/(ZABE)SE SPIN SUPERLATTICES
ADP012944	MAGNETO-REFLECTIVITY STUDIES OF ZNSE/ZNMGSSSE QWS WITH LOW DENSITY 2DEG
ADP012945	HOLE CYCLOTRON RESONANCE IN MQW GE/GESI HETEROSTRUCTURES IN QUANTIZING MAGNETIC FIELDS
ADP012946	IN-PLANE LINEAR POLARIZATION OF LUMINESCENCE AND LEVEL ANTICROSSINGS IN GAAS/A1AS SUPERLATTICES AND QUANTUM WELLS
ADP012947	DAMPING OF MANGANESE SPIN PRECESSION IN THE PRESENCE OF FREE CARRIERS IN CDMNTE QUANTUM WELLS
ADP012948	NONPARABOLICITIES AND NEGATIVE HOLE MASSES IN QUANTUM WELLS
ADP012949	PHONONS IN WURTZITE (GAN) MU(AIN) NU SUPERLATTICES: NON-MONOTONEOUS DEPENDENCE OF THE NUMBER OF RAMAN-ACTIVE MODES ON SUPERLATTICE PERIOD
ADP012950	COMBINED MAGNETOPOLARON IN MAGNETOOPTICAL EFFECTS IN QUANTUM WELLS
ADP012951	ANGULAR DEPENDENCE OF LUMINESCENCE FROM GAAS/ALGAAS DQW
ADP012952	ELECTRIC FIELD DOMAINS AND SELF-SUSTAINED CURRENT OSCILLATIONS IN WEAKLY-COUPLED LONG PERIOD GAAS/ALGAAS SUPERLATTICES
ADP012953	BAND PARAMETERS OF MQWS HETEROSTRUCTURES INGAAS/GAAS: MAGNETOOPTICAL STUDY
ADP012954	EFFECT OF RELAXATION PROCESSES ON AUGER RECOMBINATION IN SEMICONDUCTOR QUANTUM WELLS
ADP012955	GIGANTIC OSCILLATIONS OF DC-VOLTAGE IN SEMICONDUCTOR SUPERLATTICES
ADP012956	CHARGED EXCITONS IN ZNSE-BASED QWS
ADP012957	POLARON EXCITON IN SPHERICAL QUANTUM DOT
ADP012958	MAGNETOOPTICS OF THE EXCITONIC STATES IN THE SHALLOW GAAS/ALGAAS QUANTUM WELLS
ADP012959	EXCITON RELAXATION AND QUANTUM MECHANICAL LEVEL REPULSION
ADP012960	TEMPERATURE-DEPENDENT EXCITON DYNAMICS IN QUANTUM WELLS
ADP012961	LUMINESCENCE OF HH-EXCITONS IN GAAS/GAALAS SUPERLATTICES UNDER RESONANT EXCITATION

ADP012962	SIMULATION OF NANOSTRUCTURES EXCITONIC SPECTRA IN AN ELECTRIC FIELD
ADP012963	THE INFLUENCE OF ANTICROSSING OF EXCITON STATES ON EXCITON RELAXATION IN GAAS/ALGAAS DOUBLE SINGLE QUANTUM WELLS
ADP012964	EMISSION AND AMPLIFICATION OF MID-INFRARED RADIATION IN QUANTUM WELL STRUCTURES UNDER GENERATION OF NEAR-INFRARED LIGHT
ADP012965	NEW TYPE INTRABAND QUANTUM WELL LASER
ADP012966	OPTICAL ABSORPTION OF BIASED SEMICONDUCTOR SUPERLATTICES
ADP012967	GUNN EFFECT AND POSSIBILITY FOR FIR RADIATION IN STRAINED 2D INGAAS/ALGAAS STRUCTURE
ADP012968	INTRABAND ABSORPTION OF FAR-INFRARED LIGHT BY ELECTRONS IN GAAS/ALGAAS QUANTUM WELLS
ADP012969	PHOTOCURRENT UNDER CARRIER TUNNELING IN GAAS/ALGAAS COUPLED QUANTUM WELLS EMBEDDED IN P-I-N HETEROSTRUCTURE
ADP012970	WIDE-MINIBAND SUPERLATTICE DEVICES FOR MICROWAVE AND TERAHERTZ FREQUENCIES
ADP012971	LANGEVIN METHOD FOR SHOT NOISE IN SINGLE-ELECTRON TUNNELING
ADP012972	SINGLE ELECTRON TRANSISTOR OF STACK DESIGN AS ULTRASENSITIVE ELECTROMETER
ADP012973	PROCESSING AND CHARACTERIZATION OF EXTENDED INP/GAINAS ELECTRON WAVEGUIDES
ADP012974	NANOTECHNOLOGY METHODS AND CREATION OF THE TERABIT STORAGE
ADP012975	CHARGING EFFECTS IN A QUANTUM WIRE WITH LEADS
ADP012976	SINGLE-ELECTRON MOLECULAR TRANSISTORS ON THE BASE OF VARIOUS TYPES OF CLUSTER MOLECULES
ADP012977	SEMICONDUCTOR NANOSTRUCTURES GROWN IN PRODUCTION MOVPE REACTORS
ADP012978	VICINAL SURFACE AS A TOOL FOR QD CONTROL: INAS ON GAAS
ADP012979	USING OF SELF-FORMED SEMICONDUCTOR MICRO- AND NANOTUBES AS A PRECISE ETCH MASK
ADP012980	GROWTH AND CHARACTERIZATION INGAN/GAN NANOSCALE HETEROSTRUCTURES
ADP012981	OPTICAL AND STRUCTURAL CHARACTERIZATION OF GAN GROWN BY MBE USING INDIUM AS A SURFACANT
ADP012982	GROWTH OF SELF-ASSEMBLED GESI ISLANDS WITH NARROW SIZE DISTRIBUTION ON SI (001)
ADP012983	SELF-ORGANIZED GROWTH OF COMPOSITION-MODULATED ALLOYS
ADP012984	VOLMER-WEBBER EPITAXIAL GROWTH OF INAS NANOSCALE ISLANDS ON SI(100)

ADP012985	GROWTH OF INAS SELF-ASSEMBLED ISLANDS ON GE
ADP012986	OPTIMIZATION OF THE SIZE DISTRIBUTION OF SELF-ORGANIZED QUANTUM DOTS
ADP012987	THE ELECTRIC FIELD FLUCTUATIONS AND THE DELTA-LAYER BROADENING IN SEMICONDUCTORS
ADP012988	NITROGEN CHEMISORBED LAYERS ON GAAS(100): FORMATION, PROPERTIES, APPLICATIONS
ADP012989	OPTICAL AND STRUCTURAL PROPERTIES OF INGAAS/GAAS HETEROSTRUCTURES
ADP012990	SELF-ORGANIZED INGAAS/GAAS QUANTUM WIRE NANOSTRUCTURES GROWN BY METAL-ORGANIC VAPOR PHASE EPITAXY
ADP012991	INFLUENCE OF INITIAL MBE GROWTH STAGE ON PROPERTIES OF HEXAGONAL INN/AL ₂ O ₃ FILMS
ADP012992	ANNEALING AND MORPHOLOGY TRANSFORMATION EFFECTS IN MOCVD GROWN OF SELF-ORGANIZED INALAS-ALGAAS QUANTUM DOTS
ADP012993	3D-MODEL OF EPITAXY ON DIAMOND-LIKE CRYSTAL (111) SURFACE
ADP012994	EFFECT OF LASER ANNEALING ON OPTICAL PROPERTIES OF ZNCDSE/ZNSSE QUANTUM WELL HETEROSTRUCTURES
ADP012995	FREE-STANDING GESI/SI MICRO- AND NANOTUBES
ADP012996	INAS/GAAS STACKED LATERAL SUPERLATTICES GROWN ON VICINAL GAAS (001) SURFACES BY MOLECULAR BEAM EPITAXY
ADP012997	THE ENERGY OF THE CARBON-FLAKE NANOCUSTER: PENTAGON-PENTAGON DISTANCE OPTIMIZATION
ADP012998	STRUCTURAL DEFECTS DUE TO GROWTH INTERRUPTIONS IN ZNSE-BASED HETEROSTRUCTURES
ADP012999	ATOM REMOVING FROM THE SI(001)(2X1)-H SURFACE UNDER STM TIP, QUANTUM-CHEMICAL APPROACH
ADP013000	GROWTH AND STRUCTURE OF MN=CA1- CHIF ₂ EPITAXIAL FILMS ON SI(111)
ADP013001	LIGHT LOCALIZATION IN A DISORDERED PHOTONIC CRYSTAL
ADP013002	COLLECTIVE BEHAVIOR OF THE INTERWELL EXCITONS IN BIASED GAAS/ALGAAS DOUBLE QUANTUM WELLS
ADP013003	INGAASN/GAAS HETEROSTRUCTURES FOR LONG-WAVELENGTH LIGHT-EMITTING DEVICES
ADP013004	THEORY OF THRESHOLD CHARACTERISTICS OF QUANTUM DOT LASERS
ADP013005	PROPERTIES OF WIDE MESASTRIPE INGAASP HETEROLASERS
ADP013006	ANISOTROPY OF LIGHT EMISSION FROM THE SURFACE LED BASED ON THE TYPE-II ZNSE/BETE HETEROJUNCTION
ADP013007	UNIPOLAR SEMICONDUCTOR LASERS ON ASYMMETRIC QUANTUM WELLS

ADP013008	INJECTION LASER THRESHOLD FROM THE STANDPOINT OF COLLECTIVE RESONANCE
ADP013009	ELECTROLUMINESCENCE STUDY OF GREEN BE-CONTAINED II-VI LASERS
ADP013010	THE POWER OF CATASTROPHIC OPTICAL MIRROR DEGRADATION IN INGAAS/ALGAAS/GAAS QW LASER DIODES
ADP013011	INTERSUBBAND POPULATION INVERSION UNDER RESONANCE TUNNELING IN WIDE QUANTUM WELL STRUCTURES
ADP013012	POWER CONVERSION EFFICIENCY IN A QUANTUM DOT BASED DIODE LASER
ADP013013	QUANTUM WELL DFB LASER HAVING A CURVED GRATING STRUCTURE
ADP013014	INTERACTION BETWEEN LANDAU LEVELS OF DIFFERENT TWO-DIMENSIONAL SUBBANDS IN GAAS
ADP013015	2D SYMMETRY AND PINNING OF QUANTUM-HALL "STRIP PHASE"
ADP013016	CYCLOTRON RESONANCE QUANTUM HALL EFFECT DETECTOR
ADP013017	LOCALIZATION LENGTH DETERMINATION FOR THE TWO-DIMENSIONAL ELECTRONS IN THE DELTA-DOPED GAAS/ALGAAS HETEROSTRUCTURES FROM ACOUSTICAL STUDIES OF THE QUANTUM HALL REGIME
ADP013018	TEMPERATURE EMERGING OF COMBINATION FREQUENCIES IN QUASI-2D SHUBNIKOV-DE HAAS EFFECT
ADP013019	ELECTRON SPIN RELAXATION IN ZINC-BLENDE HETEROSTRUCTURES
ADP013020	LOW FIELD NEGATIVE MAGNETORESISTANCE IN DOUBLE LAYER STRUCTURES
ADP013021	PHYSICS OF QUANTUM WELL AND QUANTUM DOT INFRARED PHOTODETECTORS
ADP013022	RESONANT STATES AND TERAHERTZ GENERATION IN STRAINED SEMICONDUCTORS AND SEMICONDUCTORS NANOSTRUCTURES
ADP013023	TERAHERTZ EMISSION OF SIGE/SI QUANTUM WELLS DOPED WITH SHALLOW ACCEPTORS
ADP013024	MID INFRARED RANGE LASER BASED ON INTERSUBBAND TRANSITIONS AND RESONANT AUGER PROCESSES IN QUANTUM WELLS
ADP013025	OPTICAL ABSORPTION AND BIREFRINGENCE IN GAAS/ALAS MQW STRUCTURES DUE TO INTERSUBBAND ELECTRON TRANSITIONS
ADP013026	PRECISE MICRO- AND NANOTUBES FORMED BY SCROLLING LANGMUIR-BLODGETT/GAAS/INGAAS FILMS
ADP013027	MBE GROWN GE NANOSTRUCTURES ON CAF(2)/SI(111)
ADP013028	NOVEL CD(SE,TE)/BETE NANOSTRUCTURES: FABRICATION BY MOLECULAR BEAM EPITAXY AND PROPERTIES
ADP013029	OPTICAL AND STRUCTURAL PROPERTIES OF BECDSE/ZNSE QW HETEROSTRUCTURES GROWN BY MBE
ADP013030	THE INFLUENCE OF BI DOPING OF THE INAS/GAAS QUANTUM DOTS ON MORPHOLOGY AND PHOTOELECTRONIC PROPERTIES OF THE

	HETEROSTRUCTURES OBTAINED BY MOVPE
ADP013031	ELECTROLUMINESCENCE PROPERTIES OF A NEW ASYMMETRIC ALSBAS/INAS/II-VI DOUBLE HETEROSTRUCTURE GROWN BY MBE
ADP013032	EPITAXIAL GROWTH AND CHARACTERIZATION OF MNAS/SI(111) NANOSCALE MAGNETOELECTRONIC HETEROSTRUCTURES
ADP013033	INFLUENCE OF ANNEALING ON THE FORMATION OF INGAAS QUANTUM DOTS IN GAAS MATRIX DURING METAL ORGANIC CHEMICAL VAPOR DEPOSITION
ADP013034	DEFORMATION AND VISCOUSE FLOW IN NANO-IMPRINTING
ADP013035	GAN/AL ₂ O ₃ EPILAYERS GROWN BY MBE WITH A CONTROLLABLE NITROGEN PLASMA COMPOSITION
ADP013036	MONTE CARLO SIMULATION OF QUANTUM DOTS FORMATION DURING HETEROEPITAXY
ADP013037	SIMULATION OF PORES SEALING DURING HOMOEPITAXY ON SI(111) SURFACE
ADP013038	NON-LINEAR THEORY OF ALLOY PHASE SEPARATION IN OPEN SYSTEMS: KINETIC PHASE TRANSITIONS BETWEEN 1D AND 2D STRUCTURES
ADP013039	MBE-GROWN CAF ₂ NANOSTRUCTURES ON SI(001)
ADP013040	PHOTOLUMINESCENCE STUDIES ON INAS/INSB NANOSTRUCTURES GROWN BY MBE
ADP013041	OPTICAL PROPERTIES OF INGAASN/GAAS QUANTUM WELL AND QUANTUM DOT STRUCTURES FOR LONGWAVELENGTH EMISSION
ADP013042	LUMINESCENCE ENHANCEMENT IN INDIRECT BAND-GAP SEMICONDUCTORS WITH QUANTUM CONFINEMENT STRUCTURES
ADP013043	OBSERVATION OF ELECTROMAGNETICALLY INDUCED TRANSPARENCY IN A THREE-SUBBAND QUANTUM WELL SYSTEM
ADP013044	NON-MONOTONOUS TEMPERATURE DEPENDENCE OF THE SPECTRAL MAXIMUM OF PHOTOLUMINESCENCE IN CDS/ZNSE SUPERLATTICES
ADP013045	EXPERIMENTAL DETERMINATION OF THE ENERGY DISTRIBUTION FUNCTION OF HOT HOLES IN INGAAS/GAAS QUANTUM WELL HETEROSTRUCTURE
ADP013046	RAMAN AND HOT ELECTRON-NEUTRAL ACCEPTOR LUMINESCENCE STUDIES OF ELECTRON-OPTICAL PHONON INTERACTIONS IN GAAS/AL(X)GA(1-X)AS QUANTUM WELLS
ADP013047	EXTERNAL ELECTRIC FIELD EFFECT ON ENERGY LEVEL POSITIONS IN A QUANTUM WELL
ADP013048	MULTIBAND COUPLING AND ELECTRONIC STRUCTURE OF SHORT-PERIOD (GAAS) _N /(ALAS) _N (001) SUPERLATTICES
ADP013049	DYNAMICAL KERR EFFECT IN A QUANTUM-WELL ALGAAS/GAAS STRUCTURE UNDER CIRCULAR OPTICAL EXCITATION
ADP013050	AN ANALYTIC KINETIC APPROACH TO ZENER INTERMINIBAND TRANSITIONS IN SUPERLATTICES

ADP013051	BAND ALIGNMENT IN ZNCDTE/ZNTE AND ZNCDSE/ZNSE SQW STRUCTURES GROWN ON GAAS(100) BY MBE
ADP013052	A GIANT SHOT OF RADIATION INTENSITY OF SPACE INDIRECT EXCITON LINE IN DOUBLE QUANTUM WELLS IN GAAS/ALGAAS
ADP013053	MULTIPHONON RELAXATION IN ZNSE THIN FILMS AND ZNSE/ZNCDSE SUPERLATTICE
ADP013054	THEORETICAL INVESTIGATION OF INTRABAND ABSORPTION OF ELECTROMAGNETIC RADIATION BY HOLES IN QUANTUM WELLS
ADP013055	BUILT-IN ELECTRIC FIELDS AND ELECTRONIC STRUCTURE OF GAN/ALN QDS
ADP013056	ARGON PLASMA ETCHING OF GALLIUM NITRIDE: SPECTROSCOPIC SURPRISES
ADP013057	GAN UNIFORMITY CONTROL ON MULTIPLE 3 INCH WAFER GROWN IN PLANETARY REACTORS
ADP013058	OPTICAL PHONONS IN HEXAGONAL GAN/AL(X)GA(1-X)N MULTILAYERED STRUCTURES
ADP013059	SYMMETRY-INDUCED EFFECTS ON THE BAND STRUCTURE OF WURZITE III-V NITRIDE-BASED QUANTUM WELLS
ADP013060	EFFECT OF ANNEALING ON PHASE SEPARATION IN TERNARY III-N ALLOYS
ADP013061	LIGHT CONFINEMENT IN QUANTUM DOTS
ADP013062	THIN FILM PHOTONIC CRYSTALS
ADP013063	ENHANCEMENT AND EXTRACTION OF SPONTANEOUS EMISSION FROM 2-D THIN FILM PHOTONIC CRYSTALS
ADP013064	APPARENT MICROCAVITY EFFECT IN THE NEAR-FIELD PHOTOLUMINESCENCE OF A SINGLE QUANTUM DOT
ADP013065	TWO-DIMENSIONAL PHOTONIC CRYSTAL FABRICATION USING FULLERENE FILMS
ADP013066	TWO-DIMENSIONAL PENROSE-TILED PHOTONIC QUASICRYSTALS: IS THERE A PURE PHOTONIC BAND GAP?
ADP013067	ELASTIC SCATTERING OF LIGHT FROM FLUCTUATING EXCITON POLARIZATION OF A QUANTUM WELL IN A SEMICONDUCTOR MICROCAVITY
ADP013068	SPECTROSCOPY OF NEGATIVELY CHARGED EXCITONS INTERACTING WITH 2DEG IN CDTE/(CD,MG)TE QWS
ADP013069	ENERGY LEVEL DIAGRAM OF X(-) IN HIGH MAGNETIC FIELDS
ADP013070	REGULAR TRENDS IN FINE STRUCTURE AND LOCALIZATION OF EXCITONS IN TYPE II GAAS/ALAS SUPERLATTICES WITH A GRADIENT OF COMPOSITION
ADP013071	REFLECTIVITY STUDIES OF TRION (X-) AND EXCITON (X) STATES IN ZNSE/(ZN,MG)(S,SE) QWS
ADP013072	DIMENSIONALITY TRANSFORMATION OF EXCITON STATE IN QUANTUM WELL WITH ASYMMETRICAL BARRIERS

ADP013073	FLUCTUATION-TRAPPED EXCITON STATES IN 2D-SEMICONDUCTOR SOLID SOLUTIONS
ADP013074	TIME-RESOLVED STUDIES OF EXCITON RECOMBINATION IN DIRECT-GAP GAAS/ALAS SUPERLATTICES
ADP013075	SPECTROSCOPY OF THE HIGH ENERGY QUANTUM CONFINED EXCITONIC STATES IN THE THICK GAAS QUANTUM WELLS
ADP013076	FERROELECTRIC-PARAELECTRIC PHASE TRANSITIONS IN P(VDF-TRFE) LANGMUIR-BLODGETT FILMS STUDIES BY OPTICAL SECOND HARMONIC GENERATION
ADP013077	ANHARMONIC LIFETIME OF H AND D ON THE SI SURFACE
ADP013078	COMPARISON OF PHENOMENOLOGICAL MODELS WITH A MICROSCOPIC THEORY OF SEMICONDUCTOR OPTICAL NONLINEARITIES
ADP013079	CARRIER ACCUMULATION DUE TO INSERTION OF NANOSCALE AS CLUSTERS INTO N- AND P-TYPE GAAS
ADP013080	FABRICATION AND STRUCTURAL STUDIES OF "OPTICAL-III NITRIDES" NANOCOMPOSITES
ADP013081	COPPER AND COBALT NANOCLUSTERS EMBEDDED IN HYDROGENATED AMORPHOUS CARBON: AN X-RAY ABSORPTION STUDY
ADP013082	MAGNETIC FORCE MICROSCOPY OF FE NANOPARTICLES BURIED INTO SIO(2)
ADP013083	ORIENTED SILVER HALIDE NANOCRYSTALS EMBEDDED IN CRYSTALLINE ALKALI HALIDE MATRIX AS STUDIED BY EPR AND ODMR
ADP013084	CRITICAL MAGNETIC FIELD IN REGULARLY NANOSTRUCTURED INDIUM
ADP013085	THE ENHANCEMENT OF LUMINESCENCE IN ION IMPLANTED SI QUANTUM DOTS IN SIO ₂ MATRIX BY MEANS OF DOSE ALIGNMENT AND DOPING
ADP013086	IN-SITU STM ANALYSIS AND PHOTOLUMINESCENCE OF C-INDUCED GE DOTS
ADP013087	OPTICAL PROPERTIES AND STRUCTURE OF SI/INAS/SI LAYERS GROWN BY MBE ON SI SUBSTRATE
ADP013088	STM INVESTIGATION OF A STRONG ELECTRIC FIELD EFFECT ON LOCAL PHOTOCURRENT SPECTRA IN INAS/GAAS QUANTUM DOT HETEROSTRUCTURES
ADP013089	TUNNELING SPECTROSCOPY OF NONEQUILIBRIUM INTERACTING IMPURITY STATES ON SEMICONDUCTOR SURFACE
ADP013090	LOCAL LIGHT POLARIZATION MAPPING AND ELECTROMAGNETIC FIELD IMAGING BY SNOM
ADP013091	RESONANT SECOND-HARMONIC PHASE SPECTROSCOPY OF THE BURIED INTERFACES OF COLUMN IV SEMICONDUCTORS
ADP013092	CONTROL OF PHOTOCURRENT RELAXATION IN GAAS/ALGAAS NANOSTRUCTURES
ADP013093	QUANTUM MAGNETOTRANSPORT IN THE SEMIMETAL CHANNEL AT THE TYPE II BROKEN-GAP GAINASSB/INAS HETEROJUNCTION