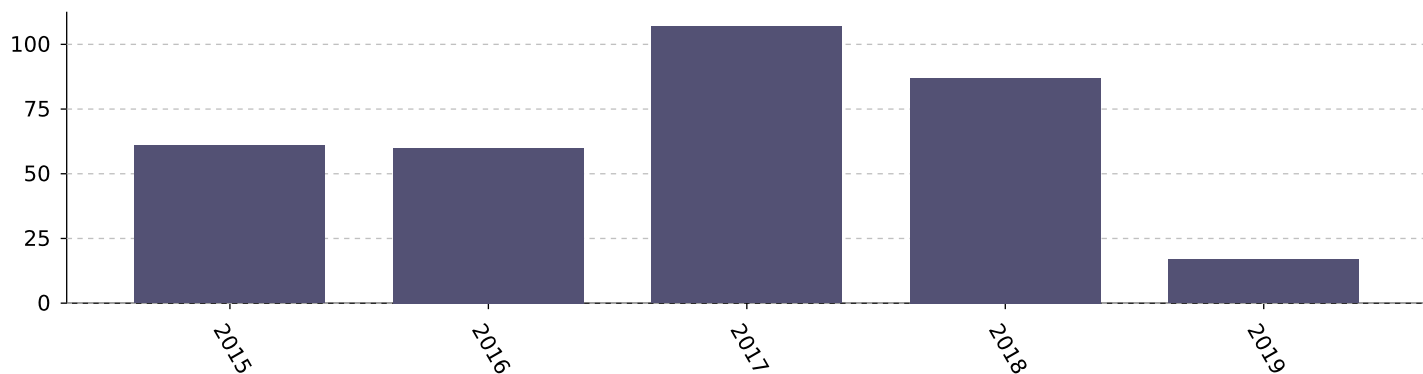


FISICA DE MATERIALES

PUBLICACIONES - SCOPUS
Ultima actualización 14/03/2019
(2015 - 2019)



TITULO	FUENTE	FECHA
OPTIMIZATION OF TUNABLE GHZ MICRO-ANTENNAS BASED ON GIANT MAGNETOIMPEDANCE	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2019
TRIBUTYL CITRATE AS AN EFFECTIVE PLASTICIZER FOR BIODEGRADABLE POLYMERS: EFFECT OF PLASTICIZER ON FREE VOLUME AND TRANSPORT AND MECHANICAL PROPERTIES	POLYMER INTERNATIONAL	2019
GIANT TOPOLOGICAL HALL EFFECT IN CORRELATED OXIDE THIN FILMS	NATURE PHYSICS	2019
ERRATUM TO: GIANT TOPOLOGICAL HALL EFFECT IN CORRELATED OXIDE THIN FILMS (NATURE PHYSICS, (2019), 15, 1, (67-72), 10.1038/S41567-018-0307-5)	NATURE PHYSICS	2019
LI2SNO3 BRANCHED NANO- AND MICROSTRUCTURES WITH INTENSE AND BROADBAND WHITE-LIGHT EMISSION	NANO RESEARCH	2019
DIRECT OBSERVATION OF TUNNELLED INTERGROWTH IN SNO 2 /GA 2 O 3 COMPLEX NANOWIRES	NANOTECHNOLOGY	2019
INFLUENCE OF YTTRIUM DOPING ON THE STRUCTURAL, MORPHOLOGICAL AND OPTICAL PROPERTIES OF NANOSTRUCTURED ZNO THIN FILMS GROWN BY SPRAY PYROLYSIS	CERAMICS INTERNATIONAL	2019
GRAIN SELECTIVE CU OXIDATION AND ANOMALOUS SHIFT OF GRAPHENE 2D RAMAN PEAK IN THE GRAPHENE-CU SYSTEM	2D MATERIALS	2019
LUMINESCENCE AND CATHODOLUMINESCENCE PROPERTIES OF MIPR(PO3)4 (MI=NA, LI, K) AND PRP5O14	PHYSICA B: CONDENSED MATTER	2019
ERRATUM TO: LI2SNO3 BRANCHED NANO- AND MICROSTRUCTURES WITH INTENSE AND BROADBAND WHITE-LIGHT EMISSION (NANO RESEARCH, (2019), 12, 2, (441-448), 10.1007/S12274-018-2236-0)	NANO RESEARCH	2019
EFFECT OF THE SYNTHESIS METHOD ON THE PROPERTIES OF LITHIUM DOPED GRAPHENE OXIDE COMPOSITES WITH TIN OXIDE NANOPARTICLES: TOWARDS WHITE LUMINESCENCE	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2019
REMANENCE ENHANCEMENT FOR STRAY FIELD-BASED APPLICATIONS IN ARRAYS OF CRYSTALLINE NANOMAGNETS	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2019
Ferroelectric control of interface spin filtering in multiferroic tunnel junctions	PHYSICAL REVIEW LETTERS	2019
FE-TIO 2 NANOPARTICLES SYNTHESIZED BY GREEN CHEMISTRY FOR POTENTIAL APPLICATION IN WASTE WATER PHOTOCATALYTIC TREATMENT	JOURNAL OF NANOTECHNOLOGY	2019
PLASMON-ASSISTED TWO-PHOTON RABI OSCILLATIONS IN A SEMICONDUCTOR QUANTUM DOT - METAL NANOPARTICLE HETERODIMER	PHYSICAL REVIEW B	2019
GROWTH MECHANISM AND OPTICAL PROPERTIES OF NANO AND MICROSTRUCTURES OF ZNO OBTAINED BY THERMAL OXIDATION OF ZINC POWDERS AT ATMOSPHERIC PRESSURE	SOLID STATE PHENOMENA	2019
ENGINEERING STRAIN AND CONDUCTIVITY OF MOO 3 BY ION IMPLANTATION	ACTA MATERIALIA	2019
LUMINESCENCE AND GAS-SENSING PROPERTIES OF ZNO OBTAINED FROM THE RECYCLING OF ALKALINE BATTERIES	JOURNAL OF MATERIALS SCIENCE	2018
LATTICE THERMAL CONDUCTIVITY OF GRAPHENE NANOSTRUCTURES	CARBON	2018
SILICON SURFACE PASSIVATION BY PEDOT: PSS FUNCTIONALIZED BY SNO2 AND TIO2 NANOPARTICLES	NANOTECHNOLOGY	2018
LUMINESCENCE AND LIGHT GUIDING PROPERTIES OF ER AND LI CODOPED ZNO NANOSTRUCTURES	JOURNAL OF LUMINESCENCE	2018
ELECTRICAL CHARACTERIZATION OF MOLYBDENUM OXIDE LAMELLAR CRYSTALS IRRADIATED WITH UV LIGHT AND PROTON BEAMS	SURFACE AND COATINGS TECHNOLOGY	2018
OPTICAL NP PROBLEM SOLVER ON LASER-WRITTEN WAVEGUIDE PLATFORM	OPTICS EXPRESS	2018

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TITULO	FUENTE	FECHA
USE OF MAGNETS FOR REVERSIBLE RESTORATION IN SCULPTURE. THE CASE OF THE "VIRGEN DE LOS DESAMPARADOS" IN VALENCIA (SPAIN)	JOURNAL OF CULTURAL HERITAGE	2018
EFFECT OF GA INCORPORATION ON MORPHOLOGY AND DEFECT STRUCTURES EVOLUTION IN VLS GROWN 1D IN 2 O 3 NANOSTRUCTURES	APPLIED SURFACE SCIENCE	2018
POLARIZED MICRO-RAMAN STUDIES OF FEMTOSECOND LASER WRITTEN STRESS-INDUCED OPTICAL WAVEGUIDES IN DIAMOND	APPLIED PHYSICS LETTERS	2018
BESPOKE PHOTONIC DEVICES USING ULTRAFAST LASER DRIVEN ION MIGRATION IN GLASSES	PROGRESS IN MATERIALS SCIENCE	2018
GROWTH AND ELECTROSTATIC/CHEMICAL PROPERTIES OF METAL/LAALO3/SRTIO3 HETEROSTRUCTURES	JOURNAL OF VISUALIZED EXPERIMENTS	2018
IN-SITU TRANSMISSION ELECTRON MICROSCOPY STUDY OF MELTING AND DIFFUSION PROCESSES AT THE NANOSCALE IN ZNO NANOTUBES WITH SN CORES	JOURNAL OF ALLOYS AND COMPOUNDS	2018
SOLITONS IN A NONLINEAR MODEL OF SPIN TRANSPORT IN HELICAL MOLECULES	PHYSICAL REVIEW E	2018
EPITAXIAL INTEGRATION OF COFE 2 O 4 THIN FILMS ON SI (001) SURFACES USING TIN BUFFER LAYERS	APPLIED SURFACE SCIENCE	2018
TIME-DEPENDENT TRANSPORT OF A LOCALIZED SURFACE PLASMON THROUGH A LINEAR ARRAY OF METAL NANOPARTICLES: PRECURSOR AND NORMAL MODE CONTRIBUTIONS	PHYSICAL REVIEW B	2018
FABRICATION OF ZNO-TIO2 AXIAL MICRO-HETEROSTRUCTURES BY A VAPOR-SOLID METHOD	MATERIALS LETTERS	2018
GEOMETRICALLY DEFINED SPIN STRUCTURES IN ULTRATHIN FE3O4 WITH BULK LIKE MAGNETIC PROPERTIES	NANOSCALE	2018
STRUCTURAL EVOLUTION OF A GE-SUBSTITUTED SNSI THERMOELECTRIC MATERIAL WITH LOW THERMAL CONDUCTIVITY	JOURNAL OF APPLIED CRYSTALLOGRAPHY	2018
CONTROLLED SYNTHESIS OF LITHIUM DOPED TIN DIOXIDE NANOPARTICLES BY A POLYMERIC PRECURSOR METHOD AND ANALYSIS OF THE RESULTING DEFECT STRUCTURE	JOURNAL OF MATERIALS CHEMISTRY A	2018
MEMORY EFFECT AND MAGNETOCRYSTALLINE ANISOTROPY IMPACT ON THE SURFACE MAGNETIC DOMAINS OF MAGNETITE (001)	SCIENTIFIC REPORTS	2018
WAVEGUIDING BEHAVIOR OF VLS-GROWN ONE-DIMENSIONAL GA-DOPED IN2O3 NANOSTRUCTURES	CURRENT APPLIED PHYSICS	2018
QUANTIZED ELECTRON TRANSPORT THROUGH GRAPHENE NANOCONSTRICTIONS	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
ELECTRODEPOSITION OF BI THIN FILMS ON N-GAAS(111)B. II. CORRELATION BETWEEN THE NUCLEATION PROCESS AND THE STRUCTURAL AND ELECTRICAL PROPERTIES	JOURNAL OF PHYSICAL CHEMISTRY C	2018
ELECTRODEPOSITION OF BI THIN FILMS ON N-GAAS(111)B. I. CORRELATION BETWEEN THE OVERPOTENTIAL AND THE NUCLEATION PROCESS	JOURNAL OF PHYSICAL CHEMISTRY C	2018
SILICON MICROSPHERE WHISPERING GALLERY MODES EXCITED BY FEMTOSECOND-LASER-INScribed GLASS WAVEGUIDES	APPLIED OPTICS	2018
SPIN DYNAMICS IN HELICAL MOLECULES WITH NONLINEAR INTERACTIONS	NEW JOURNAL OF PHYSICS	2018
MAGNETIC FIELD-INDUCED POLYMERIZATION OF MOLECULARLY IMPRINTED POLYMERS	JOURNAL OF PHYSICAL CHEMISTRY C	2018
TUNING THE LUMINESCENCE OF TIN OXIDE LOW DIMENSIONAL STRUCTURES IN THE NEAR INFRARED RANGE BY IN-SITU DOPING DURING A VAPOR-SOLID GROWTH PROCESS	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
A LIVING-DEAD MAGNETIC LAYER AT THE SURFACE OF FERRIMAGNETIC DYTIO 3 THIN FILMS	ADVANCED MATERIALS	2018
OPTICAL SPECTROSCOPY STUDY OF NANO- AND MICROSTRUCTURES FABRICATED BY FEMTOSECOND LASER PULSES ON ZNO BASED SYSTEMS	CRYSTENGCOMM	2018
FEMTOSECOND LASER WRITING OF PHOTONIC DEVICES IN BORATE GLASSES COMPOSITIONALLY DESIGNED TO BE LASER WRITABLE	OPTICS LETTERS	2018
UNDERSTANDING THE EFFECTS OF CR DOPING IN RUTILE TIO2 BY DFT CALCULATIONS AND X-RAY SPECTROSCOPY	SCIENTIFIC REPORTS	2018
MANY-BODY QUANTUM CHAOS AND ENTANGLEMENT IN A QUANTUM RATCHET	PHYSICAL REVIEW LETTERS	2018
MODAL ANALYSIS OF -GA2 O3:CR WIDELY TUNABLE LUMINESCENT OPTICAL MICROCAVITIES	PHYSICAL REVIEW APPLIED	2018
INFLUENCE OF THE RIGID AMORPHOUS FRACTION AND CRYSTALLINITY ON POLYLACTIDE TRANSPORT PROPERTIES	MACROMOLECULES	2018
WANNIER-BLOCH APPROACH TO LOCALIZATION IN HIGH-ORDER HARMONIC GENERATION IN SOLIDS	OPTICS INFOBASE CONFERENCE PAPERS	2018
SIZE-SELECTIVE BREAKING OF THE CORE-SHELL STRUCTURE OF GALLIUM NANOPARTICLES	NANOTECHNOLOGY	2018
FÖRSTER RESONANCE ENERGY TRANSFER DISTANCE DEPENDENCE FROM UPCONVERTING NANOPARTICLES TO QUANTUM DOTS	JOURNAL OF PHYSICAL CHEMISTRY C	2018

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TITULO	FUENTE	FECHA
SPATIALLY RESOLVED OPTICAL ACTIVATION OF EU IONS BY LASER IRRADIATION IN IMPLANTED HEXAGONAL MOO3 MICRORODS	APPLIED PHYSICS LETTERS	2018
ANALYSIS OF CORROSION OF JOINTS BRAZING COPPER MATRIX COMPOSITES/ANÁLISIS DE LA CORROSIÓN DE UNIONES POR SOLDADURA FUERTE DE COMPÓSITOS MATRIZ COBRE	REVISTA MATERIA	2018
RAPID SYNTHESIS OF UNDOPED AND ER DOPED MOO3 LAYERED PLATES BY RESISTIVE HEATING OF MOLYBDENUM: STRUCTURAL AND OPTICAL PROPERTIES	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
CORRELATIVE STUDY OF VIBRATIONAL AND LUMINESCENCE PROPERTIES OF ZN2GEO4MICRORODS	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
GIANT MICROWAVE ABSORPTION IN FINE POWDERS OF SUPERCONDUCTORS	SCIENTIFIC REPORTS	2018
INTEGRATED WAVEGUIDES AND DETERMINISTICALLY POSITIONED NITROGEN VACANCY CENTERS IN DIAMOND CREATED BY FEMTOSECOND LASER WRITING	OPTICS LETTERS	2018
FAST GROWTH OF UNDOPED AND SN- AND TB-DOPED ZNO NANOWIRES BY JOULE HEATING OF ZN	CRYSTENGCOMM	2018
GENERATION OF ATYPICAL HOPPING AND INTERACTIONS BY KINETIC DRIVING	NEW JOURNAL OF PHYSICS	2018
FEMTOSECOND LASER WRITTEN DIAMOND PHOTONICS	OPTICS INFOBASE CONFERENCE PAPERS	2018
ALL-OPTICAL INTRA AND INTER NEURONAL COMMUNICATION PROTOCOL PLATFORM	OPTICS INFOBASE CONFERENCE PAPERS	2018
MAGNETIC ORDER AND DISORDER IN NANOMAGNETS PROBED BY SUPERCONDUCTING VORTICES	SCIENTIFIC REPORTS	2018
LOW LATTICE THERMAL CONDUCTIVITY IN ARC-MELTED GETE WITH GE-DEFICIENT CRYSTAL STRUCTURE	APPLIED PHYSICS LETTERS	2018
LOCALIZATION OF YTTRIUM SEGREGATION WITHIN YSZ GRAIN BOUNDARY DISLOCATION CORES	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
IN SITU LOCAL ASSESSMENT OF LASER IRRADIATION-INDUCED PHASE TRANSFORMATIONS IN HEXAGONAL MOO3 MICRORODS	CRYSTENGCOMM	2018
WANNIER-BLOCH APPROACH TO LOCALIZATION IN HIGH-ORDER HARMONIC GENERATION IN SOLIDS	2018 CONFERENCE ON LASERS AND ELECTRO-OPTICS, CLEO 2018 - PROCEEDINGS	2018
TOPOLOGICALLY PROTECTED STATES IN -DOPED JUNCTIONS WITH BAND INVERSION	PHYSICAL REVIEW B	2018
TAILORING NANOSTRUCTURED SURFACES WITH PLASMONIC/MAGNETIC MULTIFUNCTIONAL RESPONSE	APPLIED PHYSICS LETTERS	2018
LASER SURFACE STRUCTURING OF DIAMOND WITH ULTRASHORT BESSEL BEAMS	SCIENTIFIC REPORTS	2018
FACILE PREPARATION OF SNS DERIVATIVES IN NANOSTRUCTURED POLYCRYSTALLINE FORM BY ARC-MELTING SYNTHESIS	MATERIALS TODAY: PROCEEDINGS	2018
LARGE SEEBECK COEFFICIENTS IN LA2NIO 4+ WITH TUNED VALUES	MATERIALS TODAY: PROCEEDINGS	2018
THERMAL DECOHERENCE AND DISORDER EFFECTS ON CHIRAL-INDUCED SPIN SELECTIVITY	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	2018
HYBRID NANOPARTICLES FOR MAGNETIC AND PLASMONIC HYPERTHERMIA	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2018
ELECTRONIC PROPERTIES OF AIR-SENSITIVE NANOMATERIALS PROBED WITH MICROWAVE IMPEDANCE MEASUREMENTS	PHYSICA STATUS SOLIDI (B) BASIC RESEARCH	2018
ABLATION OF COPPER METAL FILMS BY FEMTOSECOND LASER MULTIPULSE IRRADIATION	APPLIED SCIENCES (SWITZERLAND)	2018
AG-AGO NANOSTRUCTURES ON GLASS SUBSTRATES BY SOLID-STATE DEWETTING: FROM EXTENDED TO LOCALIZED SURFACE PLASMONS	JOURNAL OF APPLIED PHYSICS	2018
TUNABLE SLOW- AND FAST-LIGHT DEVICES BASED ON MOLECULAR-AGGREGATE NANOFILMS	PHYSICAL REVIEW A	2018
SURFACE FERROMAGNETISM IN PR0.5CA0.5MNO3 NANOPARTICLES AS A CONSEQUENCE OF LOCAL IMBALANCE IN MN3+:MN4+ RATIO	CHEMISTRY OF MATERIALS	2018
FROM SPENT ALKALINE BATTERIES TO ZNXMN3XO4 BY A HYDROMETALLURGICAL ROUTE: SYNTHESIS AND CHARACTERIZATION	RSC ADVANCES	2018
SYNTHESIS OF IN2S3 AND IN6S7 MICROCOLUMNS AND NANOWIRES BY A VAPOR-SOLID METHOD	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
STRUCTURAL AND LUMINESCENCE PROPERTIES OF GA2O3:ZN MICRO- AND NANOSTRUCTURES	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
INTERFACE MAGNETISM IN LA 0.7 CA 0.3 MNO 3 /PRBA 2 CU 3 O 7 EPITAXIAL HETEROSTRUCTURES	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
GROWTH BY VAPOR-SOLID METHOD AND LUMINESCENCE CHARACTERIZATION OF ZN-CHALCOGENIDES MICRO- AND NANOSTRUCTURES	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
INVESTIGATION OF THE OUT OF PLANE COMPONENT OF THE MAGNETIZATION OF [FE 72 GA 28 (X NM)/TB 33 FE 67 (50 NM)] 2 MULTILAYERS	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018

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TITULO	FUENTE	FECHA
IMAGING ELLIPSOmetry DETERMINATION OF THE REFRACTIVE INDEX CONTRAST AND DISPERSION OF CHANNEL WAVEGUIDES INSCRIBED BY FS-LASER INDUCED ION-MIGRATION	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
CORRELATION OF ELECTRICAL RESPONSE AND STRUCTURAL PHASE TRANSITIONS IN Bi2O3 NANOWIRES	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
ELECTRONIC AND NANOSTRUCTURED FUNCTIONAL MATERIALS DEDICATION TO PROFESSOR JAVIER PIQUERAS	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
SURFACE DIELECTRIC TUNNEL BARRIER INDUCED BY MN DOPING IN SNO2 MICRO- AND NANOSTRUCTURES	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
SYNTHESIS AND CHARACTERIZATION OF TiO2 MICRO- AND NANOSTRUCTURES WITH VARIABLE MORPHOLOGY AND ALUMINUM CONTENT	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2018
HIGHLY BI-DOPED CU THIN FILMS WITH LARGE SPIN-MIXING CONDUCTANCE	APL MATERIALS	2018
ELECTROMAGNETIC INTERFERENCE SHIELDING RESPONSE AND RHEOLOGICAL BEHAVIOR OF LIGHTWEIGHT NANOCOMPOSITES BASED ON ISOTACTIC POLYPROPYLENE AND AL NANOPARTICLES	POLYMER TESTING	2018
OBSERVATION OF A TOPOLOGICALLY PROTECTED STATE IN A MAGNETIC DOMAIN WALL STABILIZED BY A FERROMAGNETIC CHEMICAL BARRIER	SCIENTIFIC REPORTS	2018
EFFECTIVE NONLINEAR MODEL FOR ELECTRON TRANSPORT IN DEFORMABLE HELICAL MOLECULES	PHYSICAL REVIEW E	2018
HIGH FREQUENCY HYSTERESIS LOSSES ON -Fe2O3 AND Fe3O4: SUSCEPTIBILITY AS A MAGNETIC STAMP FOR CHAIN FORMATION	NANOMATERIALS	2018
RELATIVISTIC MOTION OF AN AIRY WAVE PACKET IN A LATTICE POTENTIAL	PHYSICAL REVIEW A	2018
PULSED MAGNETS WITH HIGH FIELD INTENSITY FOR LASER-PLASMA EXPERIMENTS AND TDS SPECTROSCOPY	EPJ WEB OF CONFERENCES	2018
CORRECTION TO: A LIVING-DEAD MAGNETIC LAYER AT THE SURFACE OF FERRIMAGNETIC DyTIO 3 THIN FILMS (ADVANCED MATERIALS, (2018), 30, 29, (1707489), 10.1002/adma.201707489)	ADVANCED MATERIALS	2018
STRUCTURE AND MAGNETISM OF ULTRATHIN NICKEL-IRON OXIDES GROWN ON Ru(0001) BY HIGH-TEMPERATURE OXYGEN-ASSISTED MOLECULAR BEAM EPITAXY	SCIENTIFIC REPORTS	2018
EXCHANGE-SPRING BEHAVIOR BELOW THE EXCHANGE LENGTH IN HARD-SOFT BILAYERS IN MULTIDOMAIN CONFIGURATIONS	PHYSICAL REVIEW B	2018
FACTORS LIMITING FERROELECTRIC FIELD-EFFECT DOPING IN COMPLEX OXIDE HETEROSTRUCTURES	PHYSICAL REVIEW MATERIALS	2018
CHARACTERIZATION AND SENSING PROPERTIES OF ZNO FILM PREPARED BY SINGLE SOURCE CHEMICAL VAPOR DEPOSITION	ADVANCED POWDER TECHNOLOGY	2017
THE MIXED ALKALI EFFECT EXAMINED BY MOLECULAR DYNAMICS SIMULATIONS	TOPICS IN APPLIED PHYSICS	2017
EXPERIMENTAL PROBES FOR ION DYNAMICS	TOPICS IN APPLIED PHYSICS	2017
PRACTICAL INTRODUCTION TO THE MD SIMULATIONS OF IONIC SYSTEMS	TOPICS IN APPLIED PHYSICS	2017
NMR EXPERIMENTS IN IONIC CONDUCTORS	TOPICS IN APPLIED PHYSICS	2017
ELECTRICAL RESPONSE OF IONIC CONDUCTORS	TOPICS IN APPLIED PHYSICS	2017
THEORIES AND MODELS OF ION DIFFUSION	TOPICS IN APPLIED PHYSICS	2017
MOLECULAR DYNAMICS SIMULATIONS	TOPICS IN APPLIED PHYSICS	2017
SOME APPLICATIONS AND FURTHER PROBLEMS	TOPICS IN APPLIED PHYSICS	2017
IONIC LIQUIDS: PHYSICS BRIDGING TWO FIELDS	TOPICS IN APPLIED PHYSICS	2017
MOLECULAR DYNAMICS SIMULATIONS OF IONIC LIQUIDS	TOPICS IN APPLIED PHYSICS	2017
MOLECULAR DYNAMICS SIMULATION OF SILICATE GLASSES	TOPICS IN APPLIED PHYSICS	2017
NANOIONICS	TOPICS IN APPLIED PHYSICS	2017
TUNING THE MAGNETIC PROPERTIES OF PURE HAFNIUM BY HIGH PRESSURE TORSION	ACTA MATERIALIA	2017
COLLOIDAL NANOPARTICLE CLUSTERS TO PRODUCE LARGE FEPT NANOCRYSTALS	MATERIALS AND DESIGN	2017
MICROSTRUCTURAL AND ULTRASONIC CHARACTERIZATION OF 2101 LEAN DUPLEX STAINLESS STEEL WELDED JOINT	APPLIED ACOUSTICS	2017
IN VITRO CHARACTERIZATION OF 3D BETA-TRICALCIUM PHOSPHATE SCAFFOLDS REINFORCED WITH PHOSPHATE BASED-BIOACTIVE GLASS FOR BONE REPLACEMENT	KEY ENGINEERING MATERIALS	2017

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TITULO	FUENTE	FECHA
CYAN TITANIA NANOWIRES: SPECTROSCOPIC STUDY OF THE ORIGIN OF THE SELF-DOPING ENHANCED PHOTOCATALYTIC ACTIVITY	CATALYSIS TODAY	2017
HEATING EFFECTS OF LOW POWER SURFACE PLASMON RESONANCE SENSORS	SENSORS AND ACTUATORS, B: CHEMICAL	2017
DEVELOPMENT OF A TELEMETRY SYSTEM FOR THE POST-OPERATIVE FOLLOW-UP OF VASCULAR SURGERY PROCEDURES: AN IN VITRO MODEL DESARROLLO DE UN SISTEMA DE TELEMETRÍA PARA EL SEGUIMIENTO POSTOPERATORIO DE PROCEDIMIENTOS EN CIRUGÍA VASCULAR: MODELO IN VITRO	ANGIOLOGIA	2017
3D ELEMENTAL MAPPING WITH NANOMETER SCALE DEPTH RESOLUTION VIA ELECTRON OPTICAL SECTIONING	ULTRAMICROSCOPY	2017
DIFFERENT APPROACHES TO GENERATE MATCHING EFFECTS USING ARRAYS IN CONTACT WITH SUPERCONDUCTING FILMS.	SUPERCONDUCTOR SCIENCE AND TECHNOLOGY	2017
IN OPERANDO EVIDENCE OF DEOXYGENATION IN IONIC LIQUID GATING OF YBA2CU3O7-X	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2017
INFLUENCE OF DOPING AND NANOSTRUCTURATION ON N-TYPE Bi ₂ (Te _{0.8} Se _{0.2}) ₃ ALLOYS SYNTHESIZED BY ARC MELTING	NANOSCALE RESEARCH LETTERS	2017
INSTABILITIES IN THE OPTICAL RESPONSE OF A SEMICONDUCTOR QUANTUM DOT - METAL NANOPARTICLE HETERODIMER: SELF-OSCILLATIONS AND CHAOS	JOURNAL OF OPTICS (UNITED KINGDOM)	2017
GEOPOLYMERIZATION REACTION, MICROSTRUCTURE AND SIMULATION OF METAKAOLIN-BASED GEOPOLYMERS AT EXTENDED Si/Al RATIOS	CEMENT AND CONCRETE COMPOSITES	2017
RAMAN AND CATHODOLUMINESCENCE ANALYSIS OF TRANSITION METAL ION IMPLANTED GA ₂ O ₃ NANOWIRES	JOURNAL OF LUMINESCENCE	2017
PROCESSING AND IN VITRO BIOACTIVITY OF HIGH-STRENGTH 45S5 GLASS-CERAMIC SCAFFOLDS FOR BONE REGENERATION	CERAMICS INTERNATIONAL	2017
VISIBLE TO INFRARED DIAMOND PHOTONICS ENABLED BY FOCUSED FEMTOSECOND LASER PULSES	MICROMACHINES	2017
FORMATION OF A MAGNETITE/HEMATITE EPITAXIAL BILAYER GENERATED WITH LOW ENERGY ION BOMBARDMENT	APPLIED PHYSICS LETTERS	2017
SYNTHESIS AND MICROSTRUCTURAL PROPERTIES OF ZINC OXIDE NANOPARTICLES PREPARED BY SELECTIVE LEACHING OF ZINC FROM SPENT ALKALINE BATTERIES USING AMMONIACAL AMMONIUM CARBONATE	JOURNAL OF CLEANER PRODUCTION	2017
SUBLATTICE DYNAMICS AND QUANTUM STATE TRANSFER OF DOUBLONS IN TWO-DIMENSIONAL LATTICES	PHYSICAL REVIEW B	2017
THERMOELECTRIC FUNCTIONALITY OF Ca ₃ Co ₄ O ₉ EPITAXIAL THIN FILMS ON YTTRIA-STABILIZED ZIRCONIA CRYSTALLINE SUBSTRATE	JOURNAL OF ALLOYS AND COMPOUNDS	2017
MAGNETIC BEHAVIOUR OF MULTISEGMENTED FeCoCu/Cu ELECTRODEPOSITED NANOWIRES	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2017
PHOTON RECOIL MOMENTUM IN A BOSE-EINSTEIN CONDENSATE OF A DILUTE GAS	JOURNAL OF PHYSICS B: ATOMIC, MOLECULAR AND OPTICAL PHYSICS	2017
RESONANT ELECTRON TUNNELLING ASSISTED BY CHARGED DOMAIN WALLS IN MULTIFERROIC TUNNEL JUNCTIONS	NATURE NANOTECHNOLOGY	2017
ASSESSMENT OF THE Cr DOPING AND SIZE EFFECTS ON THE RAMAN-ACTIVE MODES OF RUTILE TiO ₂ BY UV/VISIBLE POLARIZED RAMAN SPECTROSCOPY	JOURNAL OF RAMAN SPECTROSCOPY	2017
ENGINEERING LARGE ANISOTROPIC MAGNETORESISTANCE IN La _{0.7} Sr _{0.3} MnO ₃ FILMS AT ROOM TEMPERATURE	ADVANCED FUNCTIONAL MATERIALS	2017
TUNING UP OR DOWN THE CRITICAL THICKNESS IN LaAlO ₃ /SrTiO ₃ THROUGH IN SITU DEPOSITION OF METAL OVERLAYERS	ADVANCED MATERIALS	2017
A NOVEL ROUTE TO OBTAIN METAL AND OXIDE NANOPARTICLES CO-EXISTING ON A SUBSTRATE	MATERIALS TODAY CHEMISTRY	2017
BULK DIAMOND OPTICAL WAVEGUIDES FABRICATED BY FOCUSED FEMTOSECOND LASER PULSES	PROCEEDINGS OF SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING	2017
PULSED BESSEL BEAM-INDUCED MICROCHANNELS ON A DIAMOND SURFACE FOR VERSATILE MICROFLUIDIC AND SENSING APPLICATIONS	OPTICAL MATERIALS EXPRESS	2017
SYNTHESIS AND CHARACTERIZATION OF ZNO MICRO- AND NANOSTRUCTURES GROWN FROM RECOVERED ZNO FROM SPENT ALKALINE BATTERIES	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2017
UNUSUAL VARIATION OF BLOCKING TEMPERATURE IN Bi-MAGNETIC NANOPARTICLES	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2017
INTERCONFIGURATIONAL AND INTRACONFIGURATIONAL TRANSITIONS OF YB ²⁺ AND YB ³⁺ IONS IN HYDROXYAPATITE: A CATHODOLUMINESCENCE STUDY	ACTA MATERIALIA	2017
GEOHERMAL CLAY-BASED GEOPOLYMER BINDERS: SYNTHESIS AND MICROSTRUCTURAL CHARACTERIZATION	APPLIED CLAY SCIENCE	2017
HIGH-TEMPERATURE-SUPERCONDUCTING WEAK LINK DEFINED BY THE FERROELECTRIC FIELD EFFECT	PHYSICAL REVIEW APPLIED	2017
COOPERATIVE EMISSION FROM AN ENSEMBLE OF THREE-LEVEL RADIATORS IN A CAVITY: AN INSIGHT FROM THE VIEWPOINT OF DYNAMICS OF NONLINEAR SYSTEMS	JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS	2017

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TITULO	FUENTE	FECHA
OPTICAL BISTABILITY AND HYSTERESIS OF A THIN LAYER OF RESONANT EMITTERS: INTERPLAY OF INHOMOGENEOUS BROADENING OF THE ABSORPTION LINE AND THE LORENTZ LOCAL FIELD	OPTICS AND SPECTROSCOPY (ENGLISH TRANSLATION OF OPTIKA I SPEKTROSKOPIYA)	2017
FORMATION OF -BI ₂ O ₃ AND -BI ₂ O ₃ DURING LASER IRRADIATION OF BI FILMS STUDIED IN-SITU BY SPATIALLY RESOLVED RAMAN SPECTROSCOPY	JOURNAL OF ALLOYS AND COMPOUNDS	2017
WANNIER-BLOCH APPROACH TO LOCALIZATION IN HIGH-HARMONICS GENERATION IN SOLIDS	PHYSICAL REVIEW X	2017
QUANTUM-CONFINED STARK EFFECT IN BAND-INVERTED JUNCTIONS	PHYSICA E: LOW-DIMENSIONAL SYSTEMS AND NANOSTRUCTURES	2017
PREPARATION AND CHARACTERIZATION OF 45S5 BIOACTIVE GLASS-BASED SCAFFOLDS LOADED WITH PHBV MICROSPHERES WITH DAIDZEIN RELEASE FUNCTION	JOURNAL OF BIOMEDICAL MATERIALS RESEARCH - PART A	2017
RAMAN SPECTROSCOPY OF FEMTOSECOND LASER WRITTEN LOW PROPAGATION LOSS OPTICAL WAVEGUIDES IN SCHOTT N-SF8 GLASS	OPTICAL MATERIALS	2017
CLUSTERING RESONANCE EFFECTS IN THE ELECTRONIC ENERGY SPECTRUM OF TRIDIAGONAL FIBONACCI QUASICRYSTALS	PHYSICA STATUS SOLIDI (B) BASIC RESEARCH	2017
EFFECTS OF THERMAL ANNEALING ON THE STRUCTURAL AND ELECTRONIC PROPERTIES OF RARE EARTH-IMPLANTED MOO ₃ NANOPATES	CRYSTENGCOMM	2017
FORCE-FREE STATE IN A SUPERCONDUCTING SINGLE CRYSTAL AND ANGLE-DEPENDENT VORTEX HELICAL INSTABILITY	PHYSICAL REVIEW B	2017
QUANTUM TRANSPORT IN THE BLACK-HOLE CONFIGURATION OF AN ATOM CONDENSATE OUTCOUPLED THROUGH AN OPTICAL LATTICE	ANNALEN DER PHYSIK	2017
SPECTRAL CLASSIFICATION OF ONE-DIMENSIONAL BINARY APERIODIC CRYSTALS: AN ALGEBRAIC APPROACH	ANNALEN DER PHYSIK	2017
PHOTOCHROMIC MECHANISM IN OXYGEN-CONTAINING YTTRIUM HYDRIDE THIN FILMS: AN OPTICAL PERSPECTIVE	PHYSICAL REVIEW B	2017
NONEQUILIBRIUM TRANSPORT THROUGH A DISORDERED MOLECULAR NANOWIRE	PHYSICAL REVIEW B	2017
DOPING -GA ₂ O ₃ WITH EUROPIUM: INFLUENCE OF THE IMPLANTATION AND ANNEALING TEMPERATURE	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2017
SYNTHESIS AND CHARACTERISATION OF -TCP/BIOGLASS/ZIRCONIA SCAFFOLDS	ADVANCES IN APPLIED CERAMICS	2017
TAILORING THE SHAPE OF OXIDE COMPLEX NANOSTRUCTURES	PROCEEDINGS OF SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING	2017
SHAPE ENGINEERING DRIVEN BY SELECTIVE GROWTH OF SNO ₂ ON DOPED GA ₂ O ₃ NANOWIRES	NANO LETTERS	2017
ENHANCED FIGURE OF MERIT IN NANOSTRUCTURED (BI,SB) ₂ TE ₃ WITH OPTIMIZED COMPOSITION, PREPARED BY A STRAIGHTFORWARD ARC-MELTING PROCEDURE	SCIENTIFIC REPORTS	2017
SPIN-POLARIZED ELECTRIC CURRENT IN SILICENE NANORIBBONS INDUCED BY ATOMIC ADSORPTION	PHYSICAL REVIEW B	2017
EXPERIMENTAL SET-UP FOR EXCITING AND DETECTING MAGNETO-OPTICAL EFFECTS AND SURFACE PLASMON RESONANCE SIMULTANEOUSLY	MEASUREMENT: JOURNAL OF THE INTERNATIONAL MEASUREMENT CONFEDERATION	2017
EFFECTIVE ANISOTROPIES IN MAGNETIC NANOWIRES USING THE TORQUE METHOD	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2017
HIGH-YIELD GROWTH OF TI DOPED ZNO NANO- AND MICROSTRUCTURES BY A VAPOR-SOLID METHOD	JOURNAL OF ALLOYS AND COMPOUNDS	2017
EFFECT OF LITHIUM DOPING AND PRECURSORS ON THE MICROSTRUCTURAL, SURFACE ELECTRONIC AND LUMINESCENCE PROPERTIES OF SINGLE CRYSTALLINE MICROTUBULAR TIN OXIDE STRUCTURES	CRYSTENGCOMM	2017
NOTE: ON THE STUDY OF METAL/OXIDE HYBRID FERROMAGNETS WITH MAGNETO-OPTICAL TECHNIQUES	REVIEW OF SCIENTIFIC INSTRUMENTS	2017
TUNING THE FERMI VELOCITY IN DIRAC MATERIALS WITH AN ELECTRIC FIELD	SCIENTIFIC REPORTS	2017
TUNING METAMATERIALS BY USING AMORPHOUS MAGNETIC MICROWIRES	SCIENTIFIC REPORTS	2017
HIGH-EFFICIENCY WAVEGUIDE OPTICAL AMPLIFIERS AND LASERS VIA FS-LASER INDUCED LOCAL MODIFICATION OF THE GLASS COMPOSITION	JOURNAL OF LIGHTWAVE TECHNOLOGY	2017
EXTRA-LOW THERMAL CONDUCTIVITY IN UNFILLED COSB ₃ -SKUTTERUDITE SYNTHESIZED UNDER HIGH-PRESSURE CONDITIONS	APPLIED PHYSICS LETTERS	2017
FABRICATING NECKLACE-, TOWER-, AND ROD-SHAPED IN ₂ O ₃ NANOSTRUCTURES BY CONTROLLING SATURATION KINETICS OF CATALYST DROPLETS IN A VAPOR-LIQUID-SOLID PROCESS	CRYSTAL GROWTH AND DESIGN	2017
THERMAL GROWTH, STRUCTURAL AND OPTICAL CHARACTERIZATION OF HIERARCHICAL BI ₂ O ₃ - MOO ₃ NANOSTRUCTURES	JOURNAL OF ALLOYS AND COMPOUNDS	2017
PHOTODIODES BASED IN LA _{0.7} SR _{0.3} MNO ₃ /SINGLE LAYER MOS ₂ HYBRID VERTICAL HETEROSTRUCTURES	2D MATERIALS	2017

FISICA DE MATERIALES

TITULO	FUENTE	FECHA
MODIFIED MAGNETIC ANISOTROPY AT LACOO3/LA0.7SR0.3MNO3 INTERFACES	APL MATERIALS	2017
MANY-BODY EFFECTS IN DOPED GRAPHENE ON A PIEZOELECTRIC SUBSTRATE	PHYSICAL REVIEW B	2017
TAILORING OPTICAL RESONANT CAVITY MODES IN SNO2 MICROSTRUCTURES THROUGH DOPING AND SHAPE ENGINEERING	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2017
EPSILON IRON OXIDE: ORIGIN OF THE HIGH COERCIVITY STABLE LOW CURIE TEMPERATURE MAGNETIC PHASE FOUND IN HEATED ARCHEOLOGICAL MATERIALS	GEOCHEMISTRY, GEOPHYSICS, GEOSYSTEMS	2017
STRUCTURAL CHARACTERIZATION AT THE ATOMIC LEVEL AND OPTICAL PROPERTIES OF THE ZN : K IN 2 O K +3 (3 K 13) SYSTEM	JOURNAL OF MATERIALS CHEMISTRY C	2017
NANOCRYSTALLINE CUBIC RUTHENIUM CARBIDE FORMATION IN THE SYNTHESIS OF GRAPHENE ON RUTHENIUM ULTRATHIN FILMS	JOURNAL OF MATERIALS CHEMISTRY C	2017
ORIGIN OF FEMTOSECOND LASER INDUCED PERIODIC NANOSTRUCTURE ON DIAMOND	AIP ADVANCES	2017
STUDY OF GRAPHITIC MICROSTRUCTURE FORMATION IN DIAMOND BULK BY PULSED BESSEL BEAM LASER WRITING	APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING	2017
3D AND 2D GROWTH OF SNO2 NANOSTRUCTURES ON GA2O3 NANOWIRES: SYNTHESIS AND STRUCTURAL CHARACTERIZATION	CRYSTENGCOMM	2017
ASSESSING OXYGEN VACANCIES IN BISMUTH OXIDE THROUGH EELS MEASUREMENTS AND DFT SIMULATIONS	JOURNAL OF PHYSICAL CHEMISTRY C	2017
THERMAL ROUTE FOR THE SYNTHESIS OF MAGHEMITE/HEMATITE CORE/SHELL NANOWIRES	JOURNAL OF PHYSICAL CHEMISTRY C	2017
MODELING OF EFFECTIVE ANISOTROPIES IN FECO AND CO NANOWIRES	2017 IEEE INTERNATIONAL MAGNETICS CONFERENCE, INTERMAG 2017	2017
TAILORING THE MAGNETIZATION STATES IN 2D ARRAYS OF MULTIRESPONSE FERROMAGNETIC NANOMAGNETS	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2017
COHERENT SPIN DYNAMICS IN A HELICAL ARRANGEMENT OF MOLECULAR DIPOLES	AIMS MATERIALS SCIENCE	2017
ORIGIN OF THE MAGNETIC TRANSITION AT 100 K IN -FE2O3 NANOPARTICLES STUDIED BY X-RAY ABSORPTION FINE STRUCTURE SPECTROSCOPY	JOURNAL OF PHYSICS CONDENSED MATTER	2017
ELECTRIC CONTROL OF THE BANDGAP IN QUANTUM WELLS WITH BAND-INVERTED JUNCTIONS	JOURNAL OF PHYSICS CONDENSED MATTER	2017
LOW THERMAL CONDUCTIVITY IN LA-FILLED COBALT ANTIMONIDE SKUTTERUDITES WITH AN INHOMOGENEOUS FILLING FACTOR PREPARED UNDER HIGH-PRESSURE CONDITIONS	JOURNAL OF MATERIALS CHEMISTRY A	2017
FEMTOSECOND LASER PROCESSING FOR SINGLE NV-WAVEGUIDE INTEGRATION IN DIAMOND	OPTICS INFOBASE CONFERENCE PAPERS	2017
PULSED BESSEL BEAM-INDUCED HIGH ASPECT RATIO MICROSTRUCTURES ON DIAMOND SUBSTRATE FOR MICROFLUIDICS AND BIOSENSING APPLICATIONS	OPTICS INFOBASE CONFERENCE PAPERS	2017
HIGH EFFICIENCY WAVEGUIDE-BASED OPTICAL AMPLIFIERS AND LASERS FABRICATED BY FEMTOSECOND-LASER INDUCED ION MIGRATION	OPTICS INFOBASE CONFERENCE PAPERS	2017
FEMTOSECOND LASER PROCESSING FOR SINGLE NV-WAVEGUIDE INTEGRATION IN DIAMOND	OPTICS INFOBASE CONFERENCE PAPERS	2017
MEASUREMENT OF THE MAGNETIC PERMEABILITY OF AMORPHOUS MAGNETIC MICROWIRES BY USING THEIR ANTENNA RESONANCE	REVIEW OF SCIENTIFIC INSTRUMENTS	2017
ATOMIC RESOLUTION STEM-EELS STUDIES OF DEFECTS AND LOCAL STRUCTURAL DISTORTIONS IN OXIDE INTERFACES	MICROSCOPY AND MICROANALYSIS	2017
CHARACTERIZATION OF TIC/NI COMPOSITE IMMERSED IN SYNTHETIC SEAWATER	MRS ADVANCES	2017
NONLINEAR OPTICAL RESPONSE OF A 2D QUANTUM DOT SUPERCRYSTAL	EPJ WEB OF CONFERENCES	2017
MULTICHANNEL ALL-OPTICAL SWITCH BASED ON A THIN SLAB OF RESONANT TWO-LEVEL EMITTERS	EPJ WEB OF CONFERENCES	2017
SUPERRADIANCE WITHOUT INVERSION IN A CAVITY: EFFECTS OF CAVITY LOSSES AND RELAXATION IN THE SYSTEM OF EMITTERS	EPJ WEB OF CONFERENCES	2017
ELECTRICAL AND OPTICAL PROPERTIES OF LSMO/MONOLAYER MOS 2 PHOTODIODES	ICCM INTERNATIONAL CONFERENCES ON COMPOSITE MATERIALS	2017
SYNTHESIS AND OPTICAL PROPERTIES OF ZN2GEO4 MICRORODS	ACTA MATERIALIA	2016
IMPROVING THE MAGNETIC HEATING BY DISAGGREGATING NANOPARTICLES	JOURNAL OF ALLOYS AND COMPOUNDS	2016
HYBRIDIZATION-CONTROLLED CHARGE TRANSFER AND INDUCED MAGNETISM AT CORRELATED OXIDE INTERFACES	NATURE PHYSICS	2016
EXPERIMENTAL EVIDENCE OF THE ORIGIN OF NANOPHASE SEPARATION IN LOW HOLE-DOPED COLOSSAL MAGNETORESISTANT MANGANITES	NANO LETTERS	2016
EFFECT OF X-RAY IRRADIATION ON CO-PHTHALOCYANINE THIN FILMS STUDIED BY SURFACE PLASMON RESONANCE	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2016

FISICA DE MATERIALES

TITULO	FUENTE	FECHA
PREPARATION OF $Ca_{0.5}Zr_2(PO_4)_3$ AND $Ca_{0.45}Eu_{0.05}Zr_2(PO_4)_3$ NANOPOWDERS: STRUCTURAL CHARACTERIZATION AND LUMINESCENCE EMISSION STUDY	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2016
LONG-RANGE DOUBLON TRANSFER IN A DIMER CHAIN INDUCED BY TOPOLOGY AND AC FIELDS	SCIENTIFIC REPORTS	2016
MAGNETICALLY CONTROLLED SPACE CHARGE CAPACITANCE AT $La_{1-x}Sr_xMnO_3/SrLa_{1-x}TiO_3$ INTERFACES	PHYSICA STATUS SOLIDI (A) APPLICATIONS AND MATERIALS SCIENCE	2016
ANTIFERROMAGNETIC FEMN ALLOYS ELECTRODEPOSITED FROM CHLORIDE-BASED ELECTROLYTES	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2016
NANOSTRUCTURED Bi_2Te_3 PREPARED BY A STRAIGHTFORWARD ARC-MELTING METHOD	NANOSCALE RESEARCH LETTERS	2016
POLYANILINE NANOFIBER SPONGE FILLED GRAPHENE FOAM AS HIGH GRAVIMETRIC AND VOLUMETRIC CAPACITANCE ELECTRODE	JOURNAL OF POWER SOURCES	2016
ELLIPTICALLY POLARIZED MODES FOR THE UNIDIRECTIONAL EXCITATION OF SURFACE PLASMON POLARITONS	OPTICS EXPRESS	2016
ONSET OF ROOM TEMPERATURE FERROMAGNETISM BY PLASTIC DEFORMATION IN THREE PARAMAGNETIC PURE METALS	SCRIPTA MATERIALIA	2016
RAMAN STUDY OF PHASE TRANSITIONS INDUCED BY THERMAL ANNEALING AND LASER IRRADIATION IN ANTIMONY OXIDE MICRO- AND NANOSTRUCTURES	CRYSTENGCOMM	2016
TUNED SCATTERING OF ELECTROMAGNETIC WAVES BY A FINITE LENGTH FERROMAGNETIC MICROWIRE	IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION	2016
COMPARISON OF FePt AND Pt NANOSTRUCTURES FOR OXYGEN REDUCTION REACTION IN BASIC MEDIUM	ELECTROCATALYSIS	2016
INFLUENCE OF OXYGEN INCORPORATION ON THE DEFECT STRUCTURE OF GaN MICRORODS AND NANOWIRES. AN XPS AND CL STUDY	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2016
SPIN REORIENTATION TRANSITION OF MAGNETITE (001)	PHYSICAL REVIEW B	2016
ON THE LOW- TO HIGH PROTON-CONDUCTING TRANSFORMATION OF A $CsHSO_4-CsH_2PO_4$ SOLID SOLUTION AND ITS PARENTS: PHYSICAL OR CHEMICAL NATURE?	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	2016
INVERSIONLESS SUPERRADIANCE AND THE DUFFING MODEL	OPTICS AND SPECTROSCOPY (ENGLISH TRANSLATION OF OPTIKA I SPEKTROSKOPIYA)	2016
INDUCED TI MAGNETIZATION AT $La_{0.7}Sr_{0.3}MnO_3$ AND $BaTiO_3$ INTERFACES	APL MATERIALS	2016
GROWTH, STRUCTURE AND MAGNETISM OF $-Fe_2O_3$ IN NANOPARTICLE FORM	RSC ADVANCES	2016
STRONG ENHANCEMENT OF SUPERCONDUCTIVITY AT HIGH PRESSURES WITHIN THE CHARGE-DENSITY-WAVE STATES OF $2H-TaS_2$ AND $2H-TaSe_2$	PHYSICAL REVIEW B	2016
HIGH ON/OFF RATIO MEMRISTIVE SWITCHING OF MANGANITE/CUPRATE BILAYER BY INTERFACIAL MAGNETOELECTRICITY	ADVANCED MATERIALS INTERFACES	2016
GIANT SEEBECK EFFECT IN Ge-DOPED SnSe	SCIENTIFIC REPORTS	2016
INCREASING APPLICABILITY OF SLOW LIGHT IN MOLECULAR AGGREGATE NANOFILMS WITH TWO-EXCITON DYNAMICS	OPTICS LETTERS	2016
GROWTH AND CHARACTERIZATION OF Cr DOPED $SrTiO_3$ NANOTUBES WITH RESONANT CAVITY MODES	JOURNAL OF MATERIALS CHEMISTRY C	2016
LUMP SOLITONS IN A HIGHER-ORDER NONLINEAR EQUATION IN $2+1$ DIMENSIONS	PHYSICAL REVIEW E	2016
OPTICAL SPECTROSCOPY CHARACTERIZATION OF Cu DOPED ZnO NANO- AND MICROSTRUCTURES GROWN BY VAPOR-SOLID METHOD	JOURNAL OF ALLOYS AND COMPOUNDS	2016
INTERACTIONS AND THERMOELECTRIC EFFECTS IN A PARALLEL-COUPLED DOUBLE QUANTUM DOT	PHYSICAL REVIEW B	2016
COMPARATIVE STUDY OF $Y_{0.9}Er_{0.1}V_1X_{1-x}P_4O_{14}$ NANOPHOSPHORS WITH $X = 0, 0.1, 0.5, 0.9$ AND 1 PREPARED BY SOL-GEL AND HYDROTHERMAL PROCESSES	JOURNAL OF ALLOYS AND COMPOUNDS	2016
SILICENE-BASED SPIN-FILTER DEVICE: IMPACT OF RANDOM VACANCIES	2D MATERIALS	2016
ASSESSMENT OF LAYER THICKNESS AND INTERFACE QUALITY IN COP ELECTRODEPOSITED MULTILAYERS	ACS APPLIED MATERIALS AND INTERFACES	2016
MAGNETIC PROPERTIES OF Gd-DOPED GaN	PHYSICA STATUS SOLIDI (B) BASIC RESEARCH	2016
ELECTRON-PHONON VERTEX AND ITS INFLUENCE ON THE SUPERCONDUCTIVITY OF TWO-DIMENSIONAL METALS ON A PIEZOELECTRIC SUBSTRATE	PHYSICAL REVIEW B	2016
GAUSSIAN THERMOLUMINESCENCE IN LONG-RANGE DISORDERED K-Feldspar	AMERICAN MINERALOGIST	2016
REALIZATION OF UNIFORM SYNTHETIC MAGNETIC FIELDS BY PERIODICALLY SHAKING AN OPTICAL SQUARE LATTICE	NEW JOURNAL OF PHYSICS	2016
INFLUENCE OF Cr DOPING ON THE MORPHOLOGY AND LUMINESCENCE OF $SrTiO_3$ NANOSTRUCTURES	JOURNAL OF PHYSICAL CHEMISTRY C	2016

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TITULO	FUENTE	FECHA
DIAMOND PHOTONICS PLATFORM ENABLED BY FEMTOSECOND LASER WRITING	SCIENTIFIC REPORTS	2016
INFLUENCE OF LI DOPING ON THE MORPHOLOGY AND LUMINESCENCE OF GA2O3 MICRORODS GROWN BY A VAPOR-SOLID METHOD	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2016
MAGNETIC VERSUS NON-MAGNETIC PINNING OF VORTICES IN SUPERCONDUCTING FILMS: ROLE OF EFFECTIVE PENETRATION DEPTH	APPLIED PHYSICS LETTERS	2016
MODIFICATION AND DYNAMICS INSIDE DIAMOND BY FEMTOSECOND LASER DOUBLE-PULSE IRRADIATION	JOURNAL OF LASER MICRO NANOENGINEERING	2016
COMPARATIVE STUDY OF THE OPTICAL BEHAVIOR OF A PORPHYRIN ENCAPSULATED IN SOL-GEL SILICA COATINGS AND IN SOLUTION AS A FUNCTION OF PH	MATERIALS CHEMISTRY AND PHYSICS	2016
IN-SITU PARTICLES REORIENTATION DURING MAGNETIC HYPERTHERMIA APPLICATION: SHAPE MATTERS TWICE	SCIENTIFIC REPORTS	2016
STRUCTURAL PHASE TRANSITION IN POLYCRYSTALLINE SNS: A NEUTRON DIFFRACTION STUDY IN CORRELATION WITH THERMOELECTRIC PROPERTIES	JOURNAL OF APPLIED CRYSTALLOGRAPHY	2016
EXCITATION OF SILICON MICROSPHERES RESONANCES WITH FEMTOSECOND LASER FABRICATED GLASS WAVEGUIDES	PROCEEDINGS OF SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING	2016
INITIAL STAGES OF THE GROWTH OF MIXED IRON-COBALT OXIDES ON RU(0001)	PHYSICS PROCEDIA	2016
OXYGEN VACANCY RELATED DISTORTIONS IN RUTILE TiO2 NANOPARTICLES: A COMBINED EXPERIMENTAL AND THEORETICAL STUDY	PHYSICAL REVIEW B	2016
ENHANCED MAGNETIC PROPERTIES AND MRI PERFORMANCE OF BI-MAGNETIC CORE-SHELL NANOPARTICLES	RSC ADVANCES	2016
REASONABLE CERTAINTY IN SCIENCE AND PHILOSOPHY CERTEZA RAZONABLE EN CIENCIA Y FILOSOFÍA	SCIENTIA ET FIDES	2016
SOL-GEL SYNTHESIS AND MICRO-RAMAN CHARACTERIZATION OF -FE2O3 MICRO- AND NANOPARTICLES	CHEMISTRY OF MATERIALS	2016
FATIGUE BEHAVIOUR OF AL6XN SUPER-AUSTENITIC STAINLESS STEEL WELDS	MATERIALS SCIENCE AND TECHNOLOGY CONFERENCE AND EXHIBITION 2016, MS AND T 2016	2016
HYBRID SOL-GEL THIN FILMS WITH ALUMINA NANOPARTICLES WITH HYDROPHOBIC PROPERTIES	ECCM 2016 - PROCEEDING OF THE 17TH EUROPEAN CONFERENCE ON COMPOSITE MATERIALS	2016
HEAT PUMP DRIVEN BY THE SHOT NOISE OF A TUNNEL CONTACT	PHYSICA E: LOW-DIMENSIONAL SYSTEMS AND NANOSTRUCTURES	2016
SPECIAL ISSUE ON NANOMATERIALS FOR ENERGY AND ENVIRONMENTAL APPLICATIONS	AIMS MATERIALS SCIENCE	2016
THE ROLE OF IMPURITIES IN THE SHAPE, STRUCTURE AND PHYSICAL PROPERTIES OF SEMICONDUCTING OXIDE NANOSTRUCTURES GROWN BY THERMAL EVAPORATION	AIMS MATERIALS SCIENCE	2016
TUBULAR MICRO- AND NANOSTRUCTURES OF TCO MATERIALS GROWN BY A VAPOR-SOLID METHOD	AIMS MATERIALS SCIENCE	2016
MIXED EFFECTS OF THE ATOMIC ARRANGEMENT AND SURFACE CHEMISTRY ON THE ELECTRODEPOSITION OF BI THIN FILMS ON N-GAAS SUBSTRATES	JOURNAL OF PHYSICAL CHEMISTRY C	2016
REPRINT OF: HEAT PUMP DRIVEN BY THE SHOT NOISE OF A TUNNEL CONTACT	PHYSICA E: LOW-DIMENSIONAL SYSTEMS AND NANOSTRUCTURES	2016
PLASMONIC NANODEVICE WITH MAGNETIC FUNCIONALITIES: FABRICATION AND CHARACTERIZATION	OPTICAL MATERIALS EXPRESS	2016
MAGNETISM, MICROSTRUCTURE AND FIRST PRINCIPLES CALCULATIONS OF ATOMIZED AND ANNEALED Ni3Al	JOURNAL OF ALLOYS AND COMPOUNDS	2015
SHORT RANGE ORDER FLUCTUATIONS AND ITINERANT FERROMAGNETISM IN Ni3Al	SOLID STATE COMMUNICATIONS	2015
CHEMICALLY SYNTHESIZED AU-FE3O4 NANOSTRUCTURES WITH CONTROLLED OPTICAL AND MAGNETIC PROPERTIES	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2015
ANOMALIES IN VORTEX LATTICE DYNAMICS DRIVEN BY INDUCED AC CURRENTS IN SUPERCONDUCTING FILMS WITH MAGNETIC ARRAYS OF TWO-FOLD SYMMETRY	SUPERCONDUCTOR SCIENCE AND TECHNOLOGY	2015
FORMATION OF CALCIUM-PHOSPHATE COATINGS ON Ti6Al4V SUBSTRATES BY AN AUTOCATALYTIC DEPOSITION ROUTE	KEY ENGINEERING MATERIALS	2015
ENGINEERING PLASMON DISPERSION RELATIONS: HYBRID NANOPARTICLE CHAIN - SUBSTRATE PLASMON POLARITONS	OPTICS EXPRESS	2015
RECORD SEEBECK COEFFICIENT AND EXTREMELY LOW THERMAL CONDUCTIVITY IN NANOSTRUCTURED SNS	APPLIED PHYSICS LETTERS	2015
OUTSTANDING ATOMIC ORDER IN RUDDLESDEN-POPPER OXIDE MICROCRYSTALS	CHEMISTRY OF MATERIALS	2015
INSIGHT INTO SPIN TRANSPORT IN OXIDE HETEROSTRUCTURES FROM INTERFACE-RESOLVED MAGNETIC MAPPING	NATURE COMMUNICATIONS	2015
COMBINED ALTERNATING GRADIENT FORCE MAGNETOMETER AND SUSCEPTOMETER SYSTEM	REVIEW OF SCIENTIFIC INSTRUMENTS	2015
FORMATION OF TITANIUM MONOXIDE (001) SINGLE-CRYSTALLINE THIN FILM INDUCED BY ION BOMBARDMENT OF TITANIUM DIOXIDE (110)	NATURE COMMUNICATIONS	2015

FISICA DE MATERIALES

TITULO	FUENTE	FECHA
ENHANCING THERMOELECTRIC PROPERTIES OF GRAPHENE QUANTUM RINGS	PHYSICAL REVIEW B - CONDENSED MATTER AND MATERIALS PHYSICS	2015
SUPERPARAMAGNETIC RESPONSE OF ZINC FERRITE INCRUSTED NANOPARTICLES	JOURNAL OF ALLOYS AND COMPOUNDS	2015
CONTROLLING PLASMA DISTRIBUTIONS AS DRIVING FORCES FOR ION MIGRATION DURING FS LASER WRITING	JOURNAL OF PHYSICS D: APPLIED PHYSICS	2015
SYNTHESIS, LUMINESCENCE AND MICRO-RAMAN STUDY OF IN2GE2O7 NANOBELTS AND NANOWIRES	MATERIALS SCIENCE AND ENGINEERING B: SOLID-STATE MATERIALS FOR ADVANCED TECHNOLOGY	2015
NEARLY CONSTANT LOSS IN CRYSTALLINE OXIDE-ION CONDUCTOR GD2ZR2O7	JOURNAL OF ELECTROCEAMICS	2015
OPTICAL RESONANCES OF COLLOIDAL GOLD NANORODS: FROM SEEDS TO CHEMICALLY THIOLATED LONG NANORODS	JOURNAL OF PHYSICAL CHEMISTRY C	2015
DUAL REGIMES OF ION MIGRATION IN HIGH REPETITION RATE FEMTOSECOND LASER INSCRIBED WAVEGUIDES	IEEE PHOTONICS TECHNOLOGY LETTERS	2015
SIGNATURE OF ANOMALOUS EXCITON LOCALIZATION IN THE OPTICAL RESPONSE OF SELF-ASSEMBLED ORGANIC NANOTUBES	PHYSICAL REVIEW LETTERS	2015
PARTICLE INTERACTIONS IN LIQUID MAGNETIC COLLOIDS BY ZERO FIELD COOLED MEASUREMENTS: EFFECTS ON HEATING EFFICIENCY	JOURNAL OF PHYSICAL CHEMISTRY C	2015
LASER-INDUCED ANATASE-TO-RUTILE TRANSITION IN TiO ₂ NANOPARTICLES: PROMOTION AND INHIBITION EFFECTS BY FE AND AL DOPING AND ACHIEVEMENT OF MICROPATTERNING	JOURNAL OF PHYSICAL CHEMISTRY C	2015
STRATEGIES TO UNBLOCK THE N-GAAS SURFACE WHEN ELECTRODEPOSITING BI FROM ACIDIC SOLUTIONS	ELECTROCHIMICA ACTA	2015
ROOM TEMPERATURE SKYRMION GROUND STATE STABILIZED THROUGH INTERLAYER EXCHANGE COUPLING	APPLIED PHYSICS LETTERS	2015
FINDING ZEROS OF THE RIEMANN ZETA FUNCTION BY PERIODIC DRIVING OF COLD ATOMS	PHYSICAL REVIEW A - ATOMIC, MOLECULAR, AND OPTICAL PHYSICS	2015
THERMAL EMISSION CONTROL VIA BANDGAP ENGINEERING IN APERIODICALLY DESIGNED NANOPHOTONIC DEVICES	NANOMATERIALS	2015
CONTROL OF SPIN-POLARISED CURRENTS IN GRAPHENE NANORINGS	PHYSICS LETTERS, SECTION A: GENERAL, ATOMIC AND SOLID STATE PHYSICS	2015
LIQUID PRESSURE WIRELESS SENSOR BASED ON MAGNETOSTRICTIVE MICROWIRES FOR APPLICATIONS IN CARDIOVASCULAR LOCALIZED DIAGNOSTIC	AIP ADVANCES	2015
MAGNETIC FIELD INFLUENCE ON THE PROXIMITY EFFECT AT YB A2 C U3 O7/ L A2/3 C A1/3MN O3 SUPERCONDUCTOR/HALF-METAL INTERFACES	PHYSICAL REVIEW B - CONDENSED MATTER AND MATERIALS PHYSICS	2015
GRAPHENE FOAM FUNCTIONALIZED WITH ELECTRODEPOSITED NICKEL HYDROXIDE FOR ENERGY APPLICATIONS	DIAMOND AND RELATED MATERIALS	2015
SPARK PLASMA VERSUS CONVENTIONAL SINTERING IN THE ELECTRICAL PROPERTIES OF NASICON-TYPE MATERIALS	JOURNAL OF ALLOYS AND COMPOUNDS	2015
INTERFACIAL EFFECTS ON THE TUNNELING MAGNETORESISTANCE IN L A0.7 S R0.3MN O3/MGO/FE TUNNELING JUNCTIONS	PHYSICAL REVIEW B - CONDENSED MATTER AND MATERIALS PHYSICS	2015
EXPERIMENTAL REALIZATION OF SMECTIC PHASE IN VORTEX MATTER INDUCED BY SYMMETRIC POTENTIALS ARRANGED IN TWO-FOLD SYMMETRY ARRAYS	NEW JOURNAL OF PHYSICS	2015
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