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Crystalline oxidized InSb(100)(1 × 2)-O

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Efficient photon upconversion at remarkably low annihilator concentrations in a liquid polymer matrix: when less is more

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Effect of incorporation of CdS NPs on performance of PTB7 PCBM organic solar cells

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Effect of heat-treatment on the upconversion of $\text{NaYF}_4:\text{Yb}^{3+}, \text{Er}^{3+}$ nanocrystals containing silver phosphate glass

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Cysteine-tagged chimeric avidin forms high binding capacity layers directly on gold

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Crystallization of supercooled liquid antimony
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Composition dependent growth dynamics in molecular beam epitaxy of GaInNAs solar cells

Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection

Compatibilization of natural rubber/nitrile rubber blends by sol-gel nano-silica generated by in situ method

Comparison of three light doses in the photodynamic treatment of actinic keratosis using mathematical modeling

Comparison of the optical, thermal and structural properties of Ge-Sb-S thin films deposited using thermal evaporation and pulsed laser deposition techniques

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Combining full-reference image visual quality metrics by neural network

Combination of E-jet and inkjet printing for additive fabrication of multilayer high-density RDL of silicon interposer

Cold test results of the LARP HQ Nb_3Sn quadrupole magnet at 1.9 K

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Catalytic Activity of AuCu Clusters on MgO(100)
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Cascaded crystalline raman lasers for extended wavelength coverage
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Capability assessment of inkjet printing for reliable RFID applications

Calculation of the scalar diffraction field from curved surfaces by decomposing the three-dimensional field into a sum of Gaussian beams

Calculated electronic density of states and structural properties of tetrahedral amorphous carbon

Bursty magnetic friction between polycrystalline thin films with domain walls

Broadband finite-Difference Time-Domain modeling of plasmonic organic photovoltaics

Bringing High-Performance GaInNAsSb/GaAs SOAs to True Data Applications

Boron delta-doping dependence on Si/SiGe resonant interband tunneling diodes grown by chemical vapor deposition

Block copolymer lithography
Feature size control and extension by an over-etch technique

Bistable optical propagation in nematic liquid crystals

Better understanding of the role of SiO_2 , P_2O_5 and Al_2O_3 on the spectroscopic properties of Yb^{3+} doped silica sol-gel glasses

Benchmarking of several disparity estimation algorithms for light field processing

Backscattering-based wireless communication and power transfer to small biomedical implants

Back Reflector with Diffractive Gratings for Light-Trapping in Thin-Film III-V Solar Cells

A Two-Stage LNA Design for 28GHz Band of 5G on 45nm CMOS

ATM switch for 2.488 Gbit/s CATV network on FPGA with a high-throughput buffering architecture

A study of electric transport in n- and p-type modulation-doped GaInNAs/GaAs quantum well structures under a high electric field

Aryl end-capped quaterthiophenes applied as anode interfacial layers in inverted organic solar cells

Artificial intelligence yesterday, today and tomorrow

Are coarse-grained models apt to detect protein thermal stability? the case of OPEP force field

Architectures and codecs for real-time light field streaming

A perceptual quality metric for high-definition stereoscopic 3D video

Antenna design considerations for far field and near field wireless body-centric systems

A novel strain sensor based on 3D printing technology and 3D antenna design

A Novel Enhanced-Performance Flexible RFID-Enabled Embroidered Wireless Integrated Module for Sensing Applications

A novel 3-D printed loop antenna using flexible NinjaFlex material for wearable and IoT applications

An Optical Sensor for Volatile Amines Based on an Inkjet-Printed, Hydrogen-Bonded, Cholesteric Liquid Crystalline Film

Anisotropic ultra-large mode area Yb-doped tapered double clad fiber for ultrafast amplifiers

Anisotropic and strain-dependent model of magnetostriction in electrical steel sheets

An integrated "sense-and-communicate" broad-/narrow-band optically controlled reconfigurable antenna for cognitive radio systems

A new power-consumption optimization technique for two-stage operational amplifiers

A near-infrared optoelectronic approach to detection of road conditions

Analytical computation of the demagnetizing energy of thin-film domain walls

Analytical and Numerical Methods to Estimate the Effective Mechanical Properties of Rutherford Cables

Analysis of uncertainties in protection heater delay time measurements and simulations in Nb₃Sn high-field accelerator magnets

An ab initio study of PuO_{2±0.25}, UO_{2±0.25}, and U_{0.5}Pu_{0.5}O_{2±0.25}

A multi-band WCDMA SAW-less receivers with frequency selective feedback loop

A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise

A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm

Ambient-Pressure XPS Study of a Ni-Fe Electrocatalyst for the Oxygen Evolution Reaction

Alpha radiation induced luminescence in solar blind spectral region

All-fiber, high-power, picosecond Yb double clad tapered fiber amplifier

AlGaAs/AlGaInP VECSELs with Direct Emission at 740-770 nm

A hand-held immaterial volumetric display

A genetic algorithm for scheduling tasks onto dynamically reconfigurable hardware

A Finite Element Simulation Tool for Predicting Hysteresis Losses in Superconductors Using an H-Oriented Formulation with Cohomology Basis Functions

A Fast Quench Protection System for High-Temperature Superconducting Magnets

Advances in implantable and wearable antennas for wireless brain-machine interface systems

Advancements in Solution Processable Devices using Metal Oxides For Printed Internet-of-Things Objects

Advanced scheme of amplifier similariton laser

Adsorption and dissociation of molecular oxygen on α -Pu (0 2 0) surface
A density functional study

A Database for Storing Magnet Parameters and Analysis of Quench Test Results in HL-LHC Nb₃Sn Short Model Magnets

Adaptive multiresolution method for MAP reconstruction in electron tomography

Action recognition using the 3D dense microblock difference

Accelerator-quality HTS dipole magnet demonstrator designs for the EuCARD-2 5-T 40-mm clear aperture magnet

Absorption profile and femtosecond intraband relaxation of the intense upper Davydov component in oligothiophenes

A 0.5-6MHz Active-RC LPF with Fine Gain Steps Using Binary Interpolated Resistor Banks

73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm

405-nm pumped Ce³⁺-doped silica fiber for broadband fluorescence from cyan to red

3GPP LTE-assisted Wi-Fi-direct
Trial implementation of live D2D technology

3-D Numerical Modeling of AC Losses in Multifilamentary MgB₂ Wires

3-D mechanical modeling of 20 T HTS clover leaf end coils - Good practices and lessons learned

2-volt Solution-Processed, Indium Oxide (In₂O₃) Thin Film Transistors on flexible Kapton

1.55- μm wavelength wafer-fused OP-VECSELS in flip-chip configuration

1.3 μm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics

1.3 μm InAs quantum dot semiconductor disk laser

13.5 A 0.35-to-2.6GHz multilevel outphasing transmitter with a digital interpolating phase modulator enabling up to 400MHz instantaneous bandwidth

1180nm VECSEL with 50 W output power

1180 nm GaInNAs quantum well based high power DBR laser diodes

10 kA Joints for HTS Roebel Cables

0.6V threshold voltage thin film transistors with solution processable indium oxide (In_2O_3) Channel and Anodized High-k Al_2O_3 Dielectric