

Paper Code	Title
Amp-1	Noise Characteristics of Non-degenerate Optical Parametric Phase-Sensitive Amplifier with Gain Saturation and Distributed Loss in Gain Medium
Amp-2	High-Power Hybrid EDFA/EYDFA Amplifiers
Amp-3	Compact, All Fiber Picosecond MOPA for Supercontinuum Generation
Com-1	Simulation of High Dimensionality Carrierless Amplitude Phase (CAP) Modulation Technique
Com-10	Performance Comparison of Indoor VLC System Employing SAC-OCDMA Technique
Com-11	Optical Communication Based on the Periodic Nonlinear Fourier Transform Signal Processing
Com-12	Optimization of AMI-MDM-RoFSO Under Atmospheric Turbulence
Com-2	Experimental Demonstration of MS-Code Based SAC-OCDMA for Triple Play Service
Com-3	High Speed Transmission in Giga Bps Performance for FSO Communication Using New Modulation Technique
Com-4	Cycle-Slip-Tolerant Decision-Boundary Creation with Machine Learning
Com-5	Comparative Analysis of Cyclic and Watchful Sleep Modes for GPON
Com-6	A Novel Hybrid Optical Code Division Multiple Access in Free Space Optical Communication
Com-7	Investigation of Circulation Noise Effect on SAC-OCDMA System with Ring Topology
Com-8	BER Estimation From EVM for QPSK and 16-QAM Coherent Optical Systems
Com-9	56-Gbps Optical Interconnection Over 1 Km SSMF with 10G 1550nm VCSEL Enabled by Flexible PAM4 MLSE
Dev-1	Development and Testing of A Novel All-Optical Signal Regeneration Technique
Dev-10	Wavelength-Selective Ratio Splitter by Using Large Cross-Section Rib Silicon-On-Insulator Parallel Waveguide
Dev-11	Delay Analysis in Symmetrical SOI-Based Rib Waveguide for High Speed Optical Interconnect
Dev-12	Plasmonic Angle Sensitive Pixel for Digital Imagers
Dev-2	Broadband 2D Diamond Grating Couplers with Variable Pitch
Dev-3	Optical Coupling for Multi-layered Optical Printed Wiring Board Using Micro Lens Array
Dev-4	3-Beam Laser Doppler Velocimeter for 3-D Velocity Measurement
Dev-5	Reconfigurable Optical Switch Based on Thermally Controlled EIT-like Effect
Dev-6	An Innovative Single Development Process for Integrated Optical Mach-Zehnder Interferometer Pattern Transfer
Dev-7	Self-Written Waveguide (SWW) Optical Pin for High Optical Coupling in Multi-layer Printed Wiring Board
Dev-8	Low-Loss and Large-Scale Optical Switch Utilizing Asymmetric-Port-Count Cyclic AWGs
Dev-9	Numerical Study on Ring-Fiber Lenses Supporting Optical Vortices
Las-1	Accuracy of 1D Compact Laser Model
Las-2	Q-Switched Thulium-Doped Fiber Laser Using Nitrogen-doped Graphene in Linear and Ring Cavity
Las-3	Cavity Induced Slow Gain Recovery in Pump-Probe Experiment of Quantum Cascade Lasers
Las-4	High-Speed Dielectric-Planarized Infrared Surface-Emitting Lasers with Cu-Plated Heat Sinks
Las-5	Comparison of Cladding Shaped of Tm/Yb Doped Fiber Laser for Optimum Lasing Efficiency

Las-6	Experimental Investigation of Residual Waves in Multiwavelength Brillouin-Erbium Fiber Laser
Las-7	BER and Q Factor Evaluation of Narrow-Linewidth Fiber Ring Laser
Las-8	The Effect of Mole-fraction on Power Spectral Density of Single Quantum Well Based In _x Ga _{1-x} N/GaN Blue Light Emitting Diode
Mat-1	Surface Passivation of InAs Avalanche Photodiodes for Low-Noise Infrared Imaging
Mat-3	Study of Laser Intensity on Gold Nano-Particles Preparation in a Harsh Environment
Mat-4	High Performance of AZ nLOF 2035 Resist Used for Micro- And Nanofabrication in SiNx-based Integrated Photonic Applications
Mat-5	FDTD Calculations of Microscopic and Macroscopic Properties of Some Optical Nanostructures
Mat-6	Surface Plasmon Coupled Emission Enhancement with Nanoparticles in the Metal Layer
Mod-1	Modeling of Acoustic Wave in Transition Region of Tapered Single Mode Fiber Using Finite Element Method
Mod-2	Fiber Modeling and Simulation of Effective Refractive Index for Tapered Fiber with Finite Element Method
Mod-3	Enhancement of Second Harmonic Generation in Nonlinear Photonic Crystals with Two Defective Layers
Sen-1	Applications of Long Period Fiber Gratings (LPFGs) to Optical Sensors in 850nm Region
Sen-10	Modified Plastic Optical Fiber Coated Graphene/Polyaniline Nanocomposite for Ammonia Sensing
Sen-11	Sensitivity Improvement in a Fiber Macrobending Refractive Index Sensor
Sen-12	Analysis of Independent Strain-Temperature Fiber Bragg Grating Sensing Technique Using OptiSystem and OptiGrating
Sen-13	Direct Fabrication for Smooth End Facets on GI-core Polymer Waveguide Using the Mosquito Method
Sen-2	Fluorescence Dynamics of Graphene Quantum Dots for Detecting Lard Substance
Sen-3	Evaluation of Muscle Oxygen Consumption At Regional Level of Fatigue Using Functional Near Infrared Spectroscopy
Sen-4	In Vitro Effects of Low Level Yellow Laser Irradiation on Human Red Blood Cells
Sen-5	Proposal and Demonstration of High Spatial Resolution BOTDR by Correlating Signals Sampled with Narrow- And Wide-Width Window Functions
Sen-6	Experimental Study of Concatenated Long Period Fiber Grating Separated by a Single Mode Fiber as Refractive Index Sensor
Sen-7	Optimization of the FRET De-Excitation Lifetime Based Optical Dissolved Ammonia Sensor
Sen-8	Simulation Analysis on the Employment of Dual Walsh Codes in the Phase-Shift Pulse BOTDA (PSP-BOTDA) Fiber Sensing Technique
Sen-9	Dynamic Response of Tapered Optical Fiber Coated with Graphene Oxide for Detecting Aqueous Ethanol
Sol-1	Efficiency Enhancement and Reflectance Reduction of Thin Film Silicon Plasmonic Solar Cells
Sol-2	Quantum Cascade Thermo Photovoltaic Structures for Broadband Energy Conversion
Sol-3	Effect of Diffuse Radiation on the Performance of a Rotationally Asymmetrical Optical Concentrator
Sol-4	Optimization of External Quantum Efficiency of Thin Film Tandem Solar Cell