

ACP2021

Best Student Paper Award

Synchronization of two Microwave Oscillators Based on an MLL-Based Microwave Photonic Phase Detector

Kunlin Shao, Yamei Zhang, Shilong Pan
Nanjing Univ Aeronautics & Astronautics, China

All Optical Nonlinear Activation Function Based on Ge/Si Hybrid Micro-Ring Resonator

Bo Wu, Hengkang Li, Jianji Dong, Xinliang Zhang
Wuhan National Laboratory for Optoelectronics, China

A Grey-box Model for Estimating Nonlinear SNR in Optical Networks Based on Physics-Guided Neural Networks

Xiaomin Liu, Lei Liu, Huazhi Lun, Yihao Zhang, Weisheng Hu, Lilin Yi, Qunbi Zhuge
Shanghai Jiao Tong University, China

Up to 240Gbaud Single Sideband Signal Transmission With the Sub-Sampling Technique

XINYU CHEN, Lei Zhang, Xiansong Fang, Fan Yang, Fan Zhang
Peking University, China

Silicon-on-Insulator Grating Couplers for Dual-Band and Triple-Band Multiplexing

Lirong Cheng, Simei Mao, H.Y. Fu
Tsinghua University, China

New-Generation Ultra-low Loss Silicon Photonic Waveguide and Devices

Long Zhang, Shihan Hong, Yiwei Xie, Daoxin Dai
Zhejiang university, China

High Performance Parametric Spectro-Temporal Analyzer Assisted by a Soliton Microcomb

Hao Hu¹, Ningning Yang¹, Weiqiang Wang^{2,3}, Liao Chen¹, Chi Zhang¹, Wenfu zhang^{2,3},
Xinliang Zhang¹

¹HUST, China; ²XIOPM, China; ³University of Chinese Academy of Sciences, China

Coherently Octave-Spanned Soliton Laser Comb Using Nonlinearly Merged Kelly Sidebands

Chun Wang¹, Bing Chang¹, Handing Xia², Teng Tan^{1,3}, Yunjiang Rao^{1,3}, Baicheng Yao¹

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