

PAPERS

Active Photonic Devices

- Solid-State Rhodamine 6G Microcavity Laser A. Palatnik and Y. R. Tischler 1823
- Low Noise, Mode-Locked 253 MHz Tm/Ho Fiber Laser With Core Pumping at 790 nm A. E. Akosman and M. Y. Sander 1878
- Integral Imaging Capture System With Tunable Field of View Based on Liquid Crystal Microlenses J. F. Algorri, V. Urruchi, N. Bennis, P. Morawiak, J. M. Sánchez-Pena, and J. M. Otón 1854
- A Polarization Insensitive Semiconductor Optical Amplifier Z. Zhu, X. Li, and Y. Xi 1831
- Effect of LSP in Phosphor-Converted WLEDs by Application of Ag NPs With/Without Silica Shell M. Kim, J. B. Shin, and K. C. Choi 1894

Passive Devices and Waveguides

- Compact Eight-Channel Thermally Reconfigurable Optical Add/Drop Multiplexers on Silicon S. Chen, Y. Shi, S. He, and D. Dai 1874
- Air-Suspended SU-8 Strip Waveguides With High Refractive Index Contrast A. Marinins, N. Knudde, and S. Popov 1862
- Reflectance Reduction in a Whiskered SOI Star Coupler C. Castellan, S. Tondini, M. Mancinelli, C. Kopp, and L. Pavesi 1870

Photonic Materials and Fabrication Technology

- Designing Real-Time Biosensors and Chemical Sensors Based on Defective 1-D Photonic Crystals F. Bayat, S. Ahmadi-Kandjani, and H. Tajalli 1843

Optical Sensors and Measurement Systems

- A Hybrid Mach-Zehnder Interferometer for Refractive Index and Temperature Measurement X. Ni, M. Wang, D. Guo, H. Hao, and J. Zhu 1850
- An Electroplating Method for Surface Mounting Optical Fiber Sensors on the Metal Substrate Y. Li, C. Wen, H. Zhang, J. Yang, M. Yan, and J. Jiang 1811
- A Prism-Based Optical Readout Method for MEMS Bimaterial Infrared Sensors U. Adiyani, F. Civitci, O. Ferhanoglu, H. Torun, and H. Urey 1866
- Surface-Plasmon-Resonance Refractive-Index Sensor With Cu-Coated Polymer Waveguide S. K. Mishra, B. Zou, and K. S. Chiang 1835
- Flexible Polymer Shape Sensor Based on Planar Waveguide Bragg Gratings M. Rosenberger, H. Pauer, M. Girschikofsky, H. Woern, B. Schmauss, and R. Hellmann 1898

(Contents Continued on Page 1798)

Universal Performance Prediction for Gated and Free-Running Geiger-Mode Avalanche Photodiodes	<i>P. Zhao, Y. Zhang, K. Wang, and W. Qian</i>	1890
Wavefront Sensing and Image Restoration With Spatially Overlapping Diversity Technology	<i>Z. Xie, H. Ma, B. Qi, G. Ren, Y. Tan, L. Dong, Z. Wang, and X. He</i>	1882
Simultaneous Measurement of RI and Temperature Based on a Composite Interferometer	<i>X.-G. Li, Y. Zhao, L. Cai, and Q. Wang</i>	1839
<i>Photonic Subsystems (optical, digital, RF, and THz)</i>		
Optical Pulse Generation by an Optoelectronic Oscillator With Optically Injected Semiconductor Laser	<i>P. Zhou, F. Zhang, B. Gao, and S. Pan</i>	1827
<i>Free Space Transmission Systems (optical, RF, and THz)</i>		
Low-Complexity Receivers and Energy-Efficient Constellations for SPAD VLC Systems	<i>J. Zhang, L.-H. Si-Ma, B.-Q. Wang, J.-K. Zhang, and Y.-Y. Zhang</i>	1799
<i>Optical Fiber Networks and Transmission Systems</i>		
Adaptive and Sparse Dispersion Compensation for Heterogeneous-Span Optical Networks	<i>R.-J. Essiambre, P. Claisse, and E. C. Burrows</i>	1847
Channel Estimation on Individual Subcarrier Using Image Processing in Optical OFDM System	<i>Z. Yu, Y. Lou, M. Chen, H. Chen, S. Yang, and S. Xie</i>	1815
Dispersion Impact on the Crosstalk Amplitude Response of Homogeneous Multi-Core Fibers	<i>A. V. T. Cartaxo, R. S. Luís, B. J. Putnam, T. Hayashi, Y. Awaji, and N. Wada</i>	1858
Modulation Format Identification in Coherent Receivers Using Deep Machine Learning	<i>F. N. Khan, K. Zhong, W. H. Al-Arashi, C. Yu, C. Lu, and A. P. T. Lau</i>	1886
W-Band Vector Signal Generation by Photonic Frequency Quadrupling and Balanced Pre-Coding	<i>L. Chen, R. Deng, J. He, Q. Chen, Y. Liu, and C. Xiang</i>	1807
The Benefit of Split Nonlinearity Compensation for Single-Channel Optical Fiber Communications	<i>D. Lavery, D. Ives, G. Liga, A. Alvarado, S. J. Savory, and P. Bayvel</i>	1803
Highly Correlated Chaotic Emission From Bidirectionally Coupled Semiconductor Lasers	<i>A. Argyris, E. Pikasis, and D. Syvridis</i>	1819
