

IEEE

PHOTONICS TECHNOLOGY LETTERS

JULY 15, 2016

VOLUME 28

NUMBER 14

IPTLET

(ISSN 1041-1135)

PAPERS

Active Photonic Devices

Optical Switchable Electrowetting Lens	<i>L. Li, C. Liu, H. Ren, and Q.-H. Wang</i>	1505
Experimental Study on Soliton Rain Patterns in Yb-Doped All-Fiber Standing Wave Cavity Configuration	<i>C. P. Singh, P. K. Gupta, A. J. Singh, S. K. Sharma, P. K. Mukhopadhyay, K. S. Bindra, and S. M. Oak</i>	1533
Fiber Loop Laser Stabilized by Fano Resonance in Metallic Grating Coupled Resonator	<i>B. Gu, Y. Zhou, X. Yu, and F. Luan</i>	1597
2.8- μ m Pulsed Er ³⁺ : ZBLAN Fiber Laser Modulated by Topological Insulator	<i>P. Tang, M. Wu, Q. Wang, L. Miao, B. Huang, J. Liu, C. Zhao, and S. Wen</i>	1573
0.5-GHz Repetition Rate Fundamentally Tm-Doped Mode-Locked Fiber Laser	<i>P.-W. Kuan, K. Li, L. Zhang, X. Li, C. Yu, G. Feng, and L. Hu</i>	1525
Facilitating Single-Transverse-Mode Lasing in VCSELs via Patterned Dielectric Anti-Phase Filters	<i>B. Kesler, T. O'Brien, G.-L. Su, and J. M. Dalleasasse</i>	1497
Novel Tunable Bistable Quantum-Dot Vertical-Cavity Semiconductor Optical Amplifiers	<i>O. Qasaikeh</i>	1553

Passive Devices and Waveguides

A Novel Low-Loss Diamond-Core Porous Fiber for Polarization Maintaining Terahertz Transmission	<i>R. Islam, M. S. Habib, G. K. M. Hasanuzzaman, S. Rana, M. A. Sadath, and C. Markos</i>	1537
Transverse Spin and Spin-Orbit Coupling in Silicon Waveguides	<i>A. Espinosa-Soria and A. Martínez</i>	1561
Generation of the First-Order OAM Modes in Single-Ring Fibers by Offset Splicing Technology	<i>X. Jin, F. Pang, Y. Zhang, S. Huang, Y. Li, J. Wen, Z. Chen, M. Wang, and T. Wang</i>	1581
A Robust Method for Characterization of Optical Waveguides and Couplers	<i>M. A. Tran, T. Komljenovic, J. C. Hulme, M. L. Davenport, and J. E. Bowers</i>	1517
High Extinction Ratio and Short Length Surface Plasmon Polariton Polarizer	<i>V. K. Sharma, D. Madaan, and A. Kapoor</i>	1541
One-Way Polarization Rotation by Indirect Interband Transitions	<i>G. Chen, G. Zhou, and F. S. Chau</i>	1557

(Contents Continued on Page 1492)

Interlayer Polarization Beam Splitter Based on Asymmetrical Si Wire Directional Coupler	Y. Atsumi, R. Takei, M. Okano, T. Amemiya, Y. Sakakibara, and M. Mori	1545
An Oriented-Dependence-Microlens Visual Alignment and Packaging for Lasers Coupling to PMFs	C.-N. Liu, W.-H. Hsieh, Y.-C. Tsai, Y.-C. Hsu, C.-H. Lin, and W.-H. Cheng	1569
Directional Excitation of Plasmons on Dual-Functional Graphene-Coated Dielectric Gratings	B. Zhu, G. Ren, Y. Gao, B. Wu, and S. Jian	1549
<i>Photonic Materials and Fabrication Technology</i>		
Angular Color Uniformity Enhancement of White LEDs by Lens Wetting Phosphor Coating	T. Cheng, X. Yu, Y. Ma, B. Xie, Q. Chen, R. Hu, and X. Luo	1589
Stress-Loss Correlation and Dispersion Control in Highly GeO ₂ -Doped Fibers	R. Sidharthan, S. Yoo, D. Ho, L. Zhang, W. Qi, M. S. Yue, L. Zhu, X. Dong, and S. C. Tjin	1521
<i>Optical Sensors and Measurement Systems</i>		
Temperature-Independent Multi-Parameter Measurement Based on a Tapered Bragg Fiber	T. J. M. Martins, M. B. Marques, P. Roy, R. Jamier, S. Février, and O. Frazão	1565
High Spatial Resolution BOTDR Based on Differential Brillouin Spectrum Technique	Q. Li, J. Gan, Y. Wu, Z. Zhang, J. Li, and Z. Yang	1493
Modified fs-Laser Inscribed FBG Array for Rapid Mode Shape Capture of Free-Free Vibrating Beams	A. Theodosiou, A. Lacraz, M. Polis, K. Kalli, M. Tsangari, A. Stassis, and M. Komodromos	1509
Spectrum Broadening in Optical Frequency-Shifted Feedback of Microchip Laser	S. Zhang, S. Zhang, L. Sun, and Y. Tan	1593
A Photonic Transducer-Based Optical Current Sensor Using Back-Propagation Neural Network	P. Wei, C. Cheng, and T. Liu	1513
<i>Photonic Subsystems (Optical, Digital, RF, and THz)</i>		
Optical Magnetic Field Enhancement via Coupling Magnetic Plasmons to Optical Cavity Modes	J. Chen, T. Zhang, C. Tang, P. Mao, Y. Liu, Y. Yu, and Z. Liu	1529
High-Repetition-Rate Terahertz Generation in QPM GaAs With a Compact Efficient 2-μm KTP OPO	J. Mei, K. Zhong, M. Wang, P. Liu, D. Xu, Y. Wang, W. Shi, J. Yao, R. A. Norwood, and N. Peyghambarian	1501
All-Optical OOK to Multiple-Level PSK Format Conversion Using a Self-Generating Optical Clock	M. Matsuura, K. Mizusaka, and N. Oka	1577
<i>Free Space Transmission Systems (Optical, RF, and THz)</i>		
Novel Visible Light Communication Approach Based on Hybrid OOK and ACO-OFDM	F. Yang, J. Gao, and S. Liu	1585
