

Optics & Laser Technology

Volume 42

Issue 7

October 2010

Contents

- 1059 Bandwidth analysis and improvement of the beam phasing of fiber amplifiers using the stochastic parallel gradient descent algorithm
P. Zhou, Z. Liu, Y. Ma, X. Wang, H. Ma and X. Xu
- 1066 Spectral properties of stochastic electromagnetic twist anisotropic Gaussian-Schell model beam truncated by a slit aperture propagating in turbulent atmosphere
H. Wang and X. Li
- 1077 Group delay dispersion compensation in an Ytterbium-doped fiber laser using intracavity Gires-Tournois interferometers
L. Ren, L. Chen, M. Zhang, C. Zhou, Y. Cai and Z. Zhang
- 1080 Optical fiber cleaved at an angle by CO₂ laser ablation: Application to micromachining
L. Lévesque and V. Jdanov
- 1084 Shift- and scale-invariant pattern recognition using morphological fringe-adjusted joint transform correlation
Q. Wang, L. Lei, B. Wang, L. Chen and J. Zhou
- 1093 Propagation of super-Lorentzian beams through a paraxial ABCD optical system
G. Zhou and X. Chu
- 1099 Stokes-parameters representation in terms of the radial and azimuthal field components: A proposal
R. Martínez-Herrero and P.M. Mejías
- 1103 Optical pulse compression and amplitude noise reduction using a non-linear optical loop mirror including a distributed Gires-Tournois etalon
A. González-García, O. Pottiez, R. Grajales-Coutiño, B. Ibarra-Escamilla and E.A. Kuzin
- 1112 Propagation of a phase-locked circular dark hollow beams array in a turbulent atmosphere
P. Zhou, X. Wang, Y. Ma, H. Ma, X. Xu and Z. Liu
- 1118 Defect structure and optical damage resistance of Hf:Fe:LiNbO₃ crystals
H. Shi, X. Sun, S. Luo, Y. Jiang and Q. Meng
- 1122 A novel method of developing all-optical frequency encoded memory unit exploiting nonlinear switching character of semiconductor optical amplifier
S. Kumar Garai and S. Mukhopadhyay
- 1128 Investigation of transmittance property of Palladium thin films fabricated by pulsed laser deposition with polarization using single layer model
U. Singh, N. Jha, T. Prakash Singh, A. Kapoor and A. Perrone
- 1134 Synthesis of CdZnO thin film as a potential candidate for optical switches
W.E. Mahmoud and A.A. Al-Ghamdi
- 1139 Polarization maintaining index-guided photonic crystal fiber sensor for slowly varying pressure measurement
H.G. Thakur and S. Nalawade
- 1145 Pressure recovery studies on a supersonic COIL with central ejector configuration
G. Singhal, Mainuddin, R.K. Tyagi, A.L. Dawar and P.M.V. Subbarao
- 1154 Thermal fatigue resistance of non-smooth cast iron treated by laser cladding with different self-fluxing alloys
X. Tong, F.-h. Li, M. Liu, M.-j. Dai and H. Zhou

(Contents continued on inside back cover)



Available online at

 ScienceDirect
www.sciencedirect.com



0030-3992(201010)42:7;1-C

Contents continued from outside back cover)

- 1162 Investigation of third-order nonlinear optical properties of conjugated benzodioxal derivatives
S. Shettigar, P. Poornesh, G. Umesh, B.K. Sarojini, B. Narayana and K. Prakash Kamath
- 1167 Laser Doppler velocimeter using a single longitudinal mode solid-state laser source
J. Zhou and X. Long
- 1172 Scattering of the laser writing beam in photonic crystal fibre
J. Petrovic and T. Allsop
- 1176 Incoherently coupled Gaussian soliton pairs in biased centrosymmetric photorefractive crystals
K. Zhan, C. Hou, H. Tian and Y. Zhang

For a full and complete Guide for Authors, please go to: <http://www.elsevier.com/locate/optlastec>