

CONTENTS

Preface	v
Capacitance-Voltage Characteristics of InN Quantum Dots in AlGaIn/GaN Heterostructure <i>A. Asgari and M. Afshari Bavili</i>	1
A Comparison of Different Coherent Deep Ultraviolet Generations Using Second Harmonic Generation with the Blue Laser Diode Excitation <i>C. Tangtrongbenjasil and K. Konaka</i>	7
Application of Reflection-Spectrum Envelope for Sampled Gratings <i>X. He, D.N. Wang, D. Huang and Y. Yu</i>	18
Temperature-Dependent Photoluminescence Investigation of Narrow Well-Width InGaAs/InP Single Quantum Well <i>W. Pecharapa, W. Techitdheera, P. Thanomngam and J. Nukeaw</i>	24
Shooting Method Calculation of Temperature Dependence of Transition Energy for Quantum Well Structure <i>B. Jukgoljun, W. Pecharapa and W. Techitdheera</i>	31
Design of Optical Ring Resonator Filters for WDM Applications <i>P. Saeung and P.P. Yupapin</i>	35
Chaotic Signal Filtering Device Using the Series Waveguide Micro Ring Resonator <i>P.P. Yupapin, W. Suwancharoen, S. Chaiyasoonthorn and S. Thongmee</i>	42
An Alternative Optical Switch Using Mach Zehnder Interferometer and Two Ring Resonators <i>P.P. Yupapin, P. Saeung and P. Chunpang</i>	48
Entangled Photons Generation and Regeneration Using a Nonlinear Fiber Ring Resonator <i>S. Suchat, W. Khunnam and P.P. Yupapin</i>	52
Nonlinear Effects in Fiber Grating to Nano-Scale Measurement Resolution <i>P. Phipithirankarn, P. Yabosdee and P.P. Yupapin</i>	60
Quantum Chaotic Signals Generation by a Nonlinear Micro Ring Resonator <i>C. Sripakdee, W. Suwancharoen and P.P. Yupapin</i>	65
Investigation of Photonic Devices Pigtailling Using Laser Welding <i>M.M.A. Fadhali</i>	72
A Soliton Pulse in a Nonlinear Micro Ring Resonator System: Unexpected Results and Applications <i>P.P. Yupapin, S. Pipatsart and N. Pornsuwancharoen</i>	81
Author Index	109