

Contents

Foreword

- Foreword to Special Issue on Visible Optical Hiroshi Ito
Fiber Communication
可視光ファイバ通信に向けて

Special Issue : Visible Optical Fiber Communication

可視光ファイバ通信

Review

- 1 Visible Optical Fiber Communication Manabu Kagami
可視光ファイバ通信

Research Reports

- 7 High Speed GaN-based Green LED for POF Satoru Kato, Osamu Fujishima
POF用高速GaN LED光源
Takahiro Kozawa, Tetsu Kachi
- 11 Light-induced Self-written Waveguides for Tatsuya Yamashita, Manabu Kagami
Large Core Optical Fiber Modules
大口径光ファイバモジュール用自己形成光導波路
- 18 250 Mbit/s Bi-directional Single Plastic Optical Fiber Masatoshi Yonemura
Communication System
Akari Kawasaki, Manabu Kagami
250Mbit/sプラスチック光ファイバ単線双方向
Hiroshi Ito, Kazuhiro Terada
通信システム
Yukitoshi Inui, Koji Sato
Ichirou Hosotani

Review

- 24 Research Trends in Metamaterials Kazuo Sato
メタマテリアルの研究動向
- 31 Hydrogen Storage and Generation Using Yoshitsugu Kojima
Sodium Borohydride
水素化ホウ素ナトリウムを用いた水素貯蔵と発生

Research Reports

- 37 Vibration-reducing Motor Control for Yoshiaki Ito, Shuji Tomura
Hybrid Vehicles
Kazunari Moriya
ハイブリッド自動車の制振制御
- 44 Novel Torque Control Technique for High Efficiency/ Hideo Nakai, Hiroki Ohtani
High Power Interior Permanent Magnet
Yukio Inaguma
Synchronous Motors
IPMモータの高効率・高出力トルク制御

Topics

- 50 Coating on Plastics Treated by Laser Ablation Hirozumi Azuma
without Primer
樹脂の下塗り塗装に代わるレーザーアブレーション処理

- 51 Papers 64 Awards