

CONTENTS

1. On the effect of fillers upon the tribological properties of polyphenylene sulfideHajime KIBE, Kiyoshi IRISAWA, Masao KOSAKA, Hiromichi FUJIE, Isamu SEKIGUCHI.....	1
2. Development of the wearable heart rate counterHideaki TAKANOBU, Satoshi SAITO, Hideki TSUBOI, Hirofumi MIURA, Kiyoshi NAEMURA.....	11
3. The melt blend of the mixture between amorphous copolyester and acrylic rubberTomohiro KURAMOCHI, Yoriko OTSUKA, Kazuhiko HASHIMOTO.....	19
4. Calcium Salt of Pectin/Water-soluble Polymer semi-IPN Separation MembranesSakae KON-YA, Kyousuke YOSHINO, Shinya TERAMACHI.....	25
5. A Study on Hydrogen Generation from Stabilized Sodium-Borohydride SolutionShinsuke MORIMITSU, Kazuaki MORI, Eiichiro TAKEI, Nobuyuki TAKAGI, Atsushi MATSUZAKI, Seijirau SUDA.....	31
6. Estimation of Hydrogen Generator used Borohydride CompositionKazuaki MORI, Shinsuke MORIMITSU, Masaya NAKAMURA, Sei NAKAO, Youhei OKAMOTO, Eiichirou TAKEI, Seijirau SUDA.....	37
7. A Review on the Methods of synthesis of Alkali Metal BorohydridesYasuyoshi IWASE, Zhoupeng LI, Seijirau SUDA.....	43
8. The Electric Discharge Mechanism of the Liquid Type Fuel Cell using Borohydride Complex IonKunihito ARAI, Satoshi CHIKU, Zhoupeng LI, Seijirau SUDA.....	49
9. A study on recycle of borohydride liquid fuelNobuto MORIGASAKI, Kazuhiro TANISAWA, Zhoupeng LI, Seijirau SUDA.....	55
10. The Catalyst Function of Fluorination Hydriding AlloysYusuke IEDA, Yuanming SUN, Seijirau SUDA.....	61
11. The Catalyst Characteristics of Fluorinated Hydrogen Storage AlloyYuanming SUN, Yusuke IEDA, Kyoko KONDO, Seijirau SUDA.....	65
12. Development of a BH_4^- concentration sensorYuji YAMAMURA, Naohiko TSUKAMOTO, Seijirau SUDA.....	71
13. The BH_4^- quantitative analysis by potentiometryNaohiko TSUKAMOTO, Yuji YAMAMURA, Seijirau SUDA.....	75
14. High Efficiency of Active Antenna at 2.5 GHz BandMasaaki SATO, Isao OHTOMO.....	81
15. Influence of adsorbed charged particles on the luminescent properties of Cu-activated ZnS phosphorGo SATO, Eiichiro NAKAZAWA.....	87
16. Numerical Analysis on Isothermal-PICTS (Photo-Induced Current Transient Spectroscopy) ; ——for characterization of diamond——Osamu YOSHIE.....	91
17. Transient Variation of Particle Area Occupation Rate of Pixel in Mobil Fine Particle DisplaysShinya TSUCHIDA, Masahiro OGAWA, Taiju TAKAHASHI, Yasuo TOKO, Susumu SAITO.....	113
18. Light-Scattering Type Display Using Fine Polymer Particles Dispersed in Nematic Liquid CrystalMasahiro OGAWA, Shinya TSUCHIDA, Taiju TAKAHASHI, Yasuo TOKO, Susumu SAITO.....	119

CONTENTS

19.	Preparation of Bistable Nematic (Bi-Nem) LC Cell with Optical Alignment MethodsMasaru UDAGAWA, Shinya TSUCHIDA, Taiju TAKAHASHI, Susumu SAITO.....	125
20.	A Consideration on Current Response to Applied Triangular Wave Voltage of Nematic Liquid Crystal Cell with Asymmetric Molecular OrientationYasuteru OKAMOTO, Taiju TAKAHASHI, Susumu SAITO.....	131
21.	Computer Simulation of Electro-optical Characteristics for Polymer Stabilized FLC D CellsTaiju TAKAHASHI, Yasuteru OKAMOTO, Susumu SAITO.....	137
22.	Copyright Protection and User Convenience in Contents Delivering SystemsKoji OIDA, Katsuji TSUKAMOTO.....	143
23.	A Study on the Embedding of a Signature into Isodensity Maps for the Prevent of injusticeHiroshi AKIYAMA, Teruaki HIRANO, Osamu NAKAMURA.....	151
24.	A Study on Automatic Detection Method of Extraction of Furrows for The Recognition of Facial ExpressionsKenichi HANEDA, Takaaki MURAGUCHI, Osamu NAKAMURA.....	155
25.	A Robust Personal Identification by Faces Using Fast Template MatchingTeruaki HIRANO, Osamu NAKAMURA.....	159
26.	A High Speed Personal Identification System Adaptable to Glasses by Using Facial ImagesTeruaki HIRANO, Takaaki MURAGUCHI, Osamu NAKAMURA.....	169
27.	A study on the Method for Extraction of Glasses and Generation of the Face after Removing GlassesTakaaki MURAGUCHI, Osamu NAKAMURA.....	179
28.	The Abstracts of the Theses for Doctorates Conferred in Our UniversityHideyuki EBINE.....	189
Jun NAKAJIMA.....	193
NO Hyonu.....	197
Yoshiki GOTOU.....	201
Masao TAKEHARA.....	207