

目 次

論 文

Molecular Inclusion in Calixarenes. XVIII. Crystal and Molecular Structure of the p-tert-Butylcalix [7] arene 1 : 3 Pyridine Complex / Clathrate	C. D. Andreetti Y. Nakamoto	F. Ugozzoli S. Ishida	1 ~ 13
ノボラック骨格を有するマレイミド樹脂の合成	山岸忠明 石田真一郎	池野英子 中本義章	14 ~ 22
ポリエステルフィラメント糸の高速引張過程中に発生する熱が応力-ひずみ曲線に及ぼす影響	喜成年泰 新宅救徳	放生明広 岩木信男	23 ~ 30
ポリエステルフィラメント撚糸の応力-ひずみ曲線に及ぼす引張速度と撚数の影響	喜成年泰 新宅救徳	放生明広 岩木信男	31 ~ 38
Impact Tensile Properties of Super Fiber Yarns	S. Kinari S. Shintaku	A. Hojo N. Iwaki	39 ~ 44
Thermoluminescence and Thermally Stimulated Exoelectron of KCl: Pb Crystals X-Irradiated at Room Temperature	T. Sakai N. Takeuchi	S. Nakamura	45 ~ 49
Shift of a Themolunescence Peak in X-Irradiated KCl:Ag Crystal by Repeated Measurement	T. Sakai K. Inabe	S. Nakamura N. Takeuchi	50 ~ 51
Photostimulable Transparent NaCl:Cu Single Crystals for Two-Dimensional X-Ray Imaging Sensors	H. Nanto K. Murayama S. Nakamura N. Takeuchi	T. Usuda H. Sokooshi K. Inabe	52 ~ 54
Significance of Microstructure of the Glass Fiber-Cement Paste Interfacial Zone in Long-Term Durability of GFRC Composites	M. Kawamura	S. Igarashi	55 ~ 75
Chloride Corrosion of Steel Bars in Concretes Containing Various Mineral Admixtures	K. Torii	M. Kawamura	76 ~ 88
Al-Al ₃ Ni 共晶合金の圧延集合組織	北川和夫	平田修一	89 ~ 94
非線形最小二乗法による動的構成式の推定	放生明広 茶谷明義	立矢 宏	95 ~ 100

Doping Effect of Oxygen or Nitrogen Impurity in Hydrogenated Amorphous Silicon Films	A. Morimoto M. Yoshita T. Shimizu	M. Matsumoto M. Kumeda	101 ~ 103
Synthesis of Ferromagnetic Bi-Substituted Yttrium Iron Garnet Films by Laser Ablation	H. Kidoh T. Shimizu	A. Morimoto	104 ~ 106
Influence of N, O and C Impurities in a-Si:H	T. Shimizu M. Yoshita A. Morimoto	M. Matsumoto M. Iwami M. Kumeda	107 ~ 110
Reduction of Interface Defect by Hydrogen Dilution in a-Si:H/ZnS Multilayer Films	A. Morimoto T. Shimizu	Y. Nishio	111 ~ 115
Electronic Structure of Twofold-Coordinated Atoms in Silicon-Based Amorphous Semiconductors	N. Ishii	T. Shimizu	116 ~ 120
Comparison between ESR and CPM for the Gap States in a-Si-Ge:H	M. Kumeda H. Yan T. Shimizu	N. Awaki A. Morimoto T. Watanabe	121 ~ 124
Ferroelectric Properties of Lead-Zirconate-Titanate Films Prepared by Laser Ablation	H. Kidoh A. Morimoto	T. Ogawa T. Shimizu	125 ~ 127
Some Properties of $Sb_2Te_{3-x}Se_x$ for Nonvolatile Memory Based on Phase Transition	D. P. Gosain M. Ohmura T. Bando	T. Shimizu M. Suzuki S. Okano	128 ~ 131
Influence of H_2O on SiO_2 Growth by Parallel-Resonant RF Plasma Oxidation	A. Kitagawa Y. Shibata	M. Takeuchi M. Suzuki	132 ~ 133

論文概要

Effective Utilization of Coal Ashes in Road Construction	K. Torii	M. Kawamura	134
粉化転炉スラグ-高炉水砕スラグ混合物の強度発現性と反応生成物の特徴	鳥居和之	川村満紀	134
温間押し出し鋼 S45C 材の動的構成式	湯浅紘二 茶谷明義	放生明広	135
Relationship between Photodarkening and Light-Induced ESR in Amorphous Ge-S Films Alloyed with Lead	A. Masuda T. Shimizu	M. Kumeda	135
Thermal Equilibration of Defect Density in Hydrogenated Amorphous Silicon-Germanium Alloys	H. Yan M. Kumeda	A. Morimoto T. Shimizu	135
Influence of Laser Fluence on Structural and Ferroelectric Properties of Lead-Zirconate-Titanate Films Prepared by Laser Ablation	H. Kidoh H. Yashima T. Shimizu	T. Ogawa A. Morimoto	136
Thermal Equilibrium Behavior of Defect Density and Conductivity in a-Si _{1-x} Ge _x :H Alloys	H. Yan M. Kumeda	A. Morimoto T. Shimizu	136
ESR in Silicon Nitride Films Prepared Using Nitrogen Isotope 15	M. Kumeda H. Yan T. Shimizu	N. Awaki A. Morimoto	136
Light-Induced ESR and Disappearance of Photodarkening in Amorphous Ge-S Films Alloyed with Lead	A. Masuda A. Morimoto	M. Kumeda T. Shimizu	136