

Materials transactions
Volume 47 June 2006 Number 6

Special Issues on Thermoelectric Conversion Materials

PREFACE

Kaoru Kimura, Ken-ichi Takagi, Takeshi Koyanagi, Michitaka Ohtaki, 1421
Hidero Unuma, Shigeru Katsuyama, Koji Akai, Masatoshi Takeda

The Phase Equilibria and Seebeck Coefficient of (Co,M)₃AlC (M=Fe or Ni)

Tatsuya Maruoka and Ryosuke O. Suzuki 1422

Thermoelectric Properties of Solution Grown β -FeSi₂ Single Crystals

Hirokazu Suzuki, Haruhiko Uono and Isao Kikuma 1428

Thermoelectric and Thermophysical Characteristics of Cu₂Te-Tl₂Te Pseudo Binary System

Ken Kurosaki, Keita Goto, Atsuko Kosuga, Hiroaki Muta and Shinsuke 1432
Yamanaka

Synthesis of La₂S₃ Thin Films by Sulfurization of LaCl₃ and CS(NH₂)₂

Michihiro Ohta, Shinji Hirai, Hideyasu Asahi, Toshiyuki Nishimura, 1436
Yoichiro Uemura and Kazuyoshi Shimakage

Microscale Seebeck Scanning of Polycrystalline Samples of N-Type AgPb₁₈SbTe₂₀ and P-Type AgPb₉Sn₉SbTe₂₀

Atsuko Kosuga, Ken Kurosaki, Hiroaki Muta, Christian Stiewe, Gabriele 1440
Karpinski, Eckhard Müller and Shinsuke Yamanaka

Thermoelectric and Thermophysical Properties of TiCoSb-ZrCoSb-HfCoSb Pseudo Ternary System Prepared by Spark Plasma Sintering

Takeyuki Sekimoto, Ken Kurosaki, Hiroaki Muta and Shinsuke Yamanaka 1445

Thermoelectric Properties of Non-Stoichiometric Titanium Dioxide TiO_{2-x} Fabricated by Reduction Treatment Using Carbon Powder

Yun Lu, Mitsuji Hirohashi and Kenkichi Sato 1449

Substitution Effect on Thermoelectric Properties of ZrNiSn Based Half-Heusler Compounds

Hiroaki Muta, Takanori Kanemitsu, Ken Kurosaki and Shinsuke Yamanaka 1453

Thermoelectric Properties of Cesium-Graphite Intercalation

Compounds

Rika Matsumoto, Noboru Akuzawa and Yoichi Takahashi 1458