

Contents

Analysis and Characterization

- Convenient Method of X-Ray Absorption Spectroscopy Using EPMA (Review)
J. KAWAI and K. HAYASHI353

Steelmaking and Refining

- Mechanism of Inclusion Deposition on Immersion Nozzle in Continuous Casting and the Role of Generated Inclusion by Reaction between Refractory and Molten Steel/*R. TSUJINO, K. MUKAI, W. YAMADA, M. ZEZE and S. MIZOGUCHI*362
- Analysis of Inclusion Behavior in a Ladle Refining Process by a Newly Developed Coagulation Model
K. FUCHIGAMI, M. WAKOH, N. IMAMURA, K. ENDOH, A. KIYOSE and I. SAWADA368
- Reoxidation Behavior in Al Killed Steel during Casting
Y. HIGUCHI, Y. TAGO, S. FUKAGAWA, T. KANAI and A. MUTOH375

Analysis and Characterization

- Relationship between Variation of Parameters and Behaviors of Coals during Heating
T. TAKANOHASHI, T. YOSHIDA, M. IINO, H. KUMAGAI and K. KATO382

Forming Processing and Construction

- Investigation on the Manufacturing Condition of Ti-6Al-4V Seamless Pipes by Inclined Rolling Process
A. KURODA and T. YAMAKAWA387
- A Generalization of the Taylor-Bishop-Hill Theories and the Rate-dependent Slip Model in Crystal Plasticity
K. SEKINE and H. INOUE394

Surface Science and Technology

- Properties of Silica-base Lubricant Film Coated Galvannealed Steel Sheets for Automotive Use
H. NAKANO, J. IWAYA and M. IWAI399
- Corrosion Property for Solid State Bonded Joint of SUS304L Stainless Steel and Zr
K. EI, H. IRIE and T. KASUGAI405

Microstructure

- Development of Aus-drawing Process in Medium Carbon Spring Steel for Coil Springs
M. AYADA, K. INOUE, N. TSUJI, H. UTSUNOMIYA and Y. SAITO411
- Ausformed Bainite in SUP7 Spring Steel
N. TSUJI, M. AYADA, T. TAKASHIMA and Y. SAITO419