

**TABLE OF CONTENTS**

<b>Silica Activity and Raman Spectra of the CaO-SiO<sub>2</sub>-TiO<sub>x</sub> System</b> G. Tranell, O. Ostrovski and S. Jahanshahi .....	65
<b>Some Aspects of Nitrogen Addition and Removal During Special Melting and Processing of Iron and Nickel Base-Alloys</b> E.C. Young and A. Mitchell .....	79
<b>Simulation of Bond Coat Properties in Thermal Barrier Coatings During Bending</b> Nilima Roy, Kersi M. Godiwalla, Satyabrata Chaudhuri and Ashok K. Ray .....	103
<b>Fatigue Failure in High-Temperature Single Crystal Superalloy Turbine Blades</b> Nagaraj K. Arakere and Joseph Moroso .....	117
<b>Production of Aluminum-Titanium-Boron Master Alloy by Aluminothermic Process</b> Onuralp Yucel and Filiz Cinar Sahin .....	137
<b>Influence of Precipitation and Grain Size on the Hot Ductility Of Alloy C-276 ESR Ingots</b> T.K. Kim, J. Jang, W.S.Ryu, J.H. Hong and A. Mitchell .....	143

---

©FREUND PUBLISHING HOUSE LTD.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means electronic or mechanical including photocopying, recording or otherwise, without written permission from the author.