

ISSN 1672-6421
CN 21-1498 / TG

CHINA FOUNDRY

中国铸造

Vol.12 No.1 January 2015



1672-6421



01 >

9 771672 642003

Published by FOUNDRY JOURNAL AGENCY

P. R. China

万方数据

CONTENTS

Vol.12 No.1 January 2015

Research & Development

- 1 Comparisons of interface microstructure and mechanical behavior between Ti/Al and Ti-6Al-4V/Al bimetallic composites
Xin-yu Nie, Kang-ning Zhao, Hong-xiang Li, et al
- 9 Effect of boron on microstructure and mechanical properties of cast Ti-44Al6-Nb ingots
Jian-chong Li, Rui-run Chen, Zhi-kun Ma, et al
- 15 Effect of ultrasonic melt treatment on degassing of Mg-6Zn-1Ca alloy
Zheng Jia, Zhi-qiang Zhang, Qi-chi Le, et al
- 20 Effect of isothermal heat treatment on semi-solid microstructure of AZ91D magnesium alloy containing rare earth Gd
Yong Hu, Li Rao, and Xu-wu Ni
- 26 Prevention of halfway cracks in continuous cast A36 steel slabs containing boron
Jian-chao Ma, Qing-feng Zhou, Du-xing Su, et al
- 32 Effect of cooling rate and forced convection on as-cast structure of 2205 duplex stainless steel
Cheng Zhang, Hong-gang Zhong, Cong-sen Wu, et al
- 39 Influence of carbon content on wear resistance and wear mechanism of Mn13Cr2 and Mn18Cr2 cast steels
Ding-shan Lu, Zhong-yi Liu, Wei Li, et al
- 48 Grain refinement of commercial pure Al treated by Pulsed Magneto-Oscillation on the top surface of melts
Dong Liang, Zhu-yuan Liang, Jie Sun, et al

Overseas/Foundry

- 54 Effect of alloying elements on austempered ductile iron (ADI) properties and its process: Review
Amir Sadighzadeh Benam

Information

- 71 Introduction to patents
- 73 Industry News
- 76 Titles of papers published in FOUNDRY journal (Chinese edition, Nos. 7-12, 2014)
- 79 Titles of technical papers published in CHINA FOUNDRY journal in 2014

Advertisements

Inside Front Cover, A1

Suzhou Xingye Materials Technology Co., Ltd.

Back Cover

The 10th China International Diecasting Congress & Exhibition

Inside Back Cover

Qufu Chunqiu Metallurgical Materials Co., Ltd.

A2-A3 Illustration for Front Cover

B1-B2 2015 WFO International Forum on Moulding

Materials and Casting Technologies—Call for Papers

B3 Shenyang Research Institute of Foundry

B4 GIFA-Düsseldorf/Germany, June 16-20, 2015

B5 Foundry Journal Agency



第十届中国国际压铸会议暨展览会

The 10th China International Diecasting Congress & Exhibition

2015.7.8-10

上海新国际博览中心

Shanghai New International Expo Centre



Connecting Die Casting World

Professional trade show dedicated to die casting industry in China

- All kinds of high quality die castings
- Die casting machine and other related equipment
- Die casting mould
- Die casting alloys
- Melting and holding devices
- Die casting materials, including the coatings, solvents, and inoculants
- Die casting environmental protection technology and equipment
- Die casting post-treatment equipment for cleaning, painting, heat treatment, plating and passivation, etc.
- The CAD / CAE / CAM and other computer application technology and software
- Publications
- New materials, equipment and technology of die casting industry

Contacts:

Foundry Institution of Chinese Mechanical Engineering Society

Exhibition

Ms. Xiumei Cao

Tel: +86 24-25850149/25852311-356

Fax: +86 24-25855793

cxm@foundrynations.com

Congress

Ms. Yang Cao

Tel: +86 24-25850105/25852311-206

Fax: +86 24-25855793

caoyang@foundrynations.com

NürnbergMesse China Co., Ltd.

Mr. Keven Qiu

Tel : +86 21-60361213

Fax : +86 21-52284011

keven.qiu@nm-china.com.cn



NÜRNBERG MESSE

