

Transactions of The Iron and Steel Institute of Japan

購読のお勧め

本会は、わが国の鉄鋼に関する学術、技術を海外に紹介し、わが国鉄鋼業に対する世界の認識を高め、かつ活発な交流を図る目的をもって英文学術誌「Transactions of The Iron and Steel Institute of Japan」を年6回発行しております。本誌は昭和36年に発刊された季刊誌「Tetsu-to-Hagané Overseas」の一層の充実発展を趣旨として昭和41年度より改題、増刊したもので、国内はもとより国際的にも日本の代表的かつ最高水準の英文鉄鋼学術誌として認められております。

従来の「Tetsu-to-Hagané Overseas」が和文会誌からの翻訳を主体としていたのにひきかえ、本誌は著者の独創的研究成果をまとめた research article, 単なる総合報告でなく、著者の独特な見解を十分におこなった critical review など豊富な内容を誇っております。近い将来には年間12号発行の予定です。

本会会員で、和文会誌「鉄と鋼」に加えてさらに本誌の購読を希望される方には、1,200 円の追加料金で両誌が定期的に配布されます。また和文誌「鉄と鋼」にかえて本誌のみの購読を希望される方には、追加料金なしで、本誌が年間6冊配布されます。（なお本誌の非会員に対する定価は1冊 1,000 円です。）

鉄鋼の技術研究に関して世界に先がける豊富な知識を得るため技術者研究者の必読の書としてお勧めいたします。本誌購読希望の方は会誌1号、2号綴込みの申込葉書に必要事項をご記入のうえ、本会宛て郵送下さい。

欧文誌購読料

	追加料金
「鉄と鋼」に加えてさらに「Trans., I.S.I.J.」を購読	年額 1,200円
「鉄と鋼」にかえて「Trans., I.S.I.J.」のみ購読	追加料金不要

Trans. ISIJ (Vol.7 No.1~No.6) 購読のお勧め

本会では上記のとおり、Trans. ISIJ を年6回発行しておりますが、1967年発行の第7巻第1号より6号までまだ在庫がございますので、購読を希望される方は下記月次ご覧のうえお申し込み下さい。

記

頒 価 会員 600円 非会員 1000円
 申込先 東京都千代田区大手町 1-5 経団連会館3階
 日本鉄鋼協会編集課 Tel. 03-279-6021 (代表)

目 次

第 7 巻 第 1 号

Research Articles

- Chemical Behaviour of Dissolved Oxygen during
 Deoxidation with Silicon. By Yoshio Miyashita (1)
 Transformation Features of Carburized Cr-Mo Steels
 By Hiro-oki Nakajima and Toru Araki (9)
 Effect of impurities on the Development of (110)[001]
 Secondary Recrystallization Texture in 3% Silicon iron.
 By Takashi Matsuoka..... (19)
 Drawabilities of Low Carbon Nitrogen-Aluminum Steels
 By Nobuhisa Ujiye, Atsuwo Takahashi, Kazuo Tachimoto and Hajime Nakamura (29)
 The Effect of Hydrostatic Pressure on Yielding in Iron.
 By Masami Yajima and Mitsuru Ishii (45)

Report

1966 Review of Iron and Steel Production and Technique in Japan. By Takeshi Yamaoka	(53)
Abstracts from Journal of The Iron and Steel Institute of Japan, January and February, 1967.....	(61)
Contents of Recent Articles on Iron and Steel Published in Japan.	(A-2)
Contents of Journal of The Iron and Steel Institute of Japan.....	(A-4)

第 7 卷 第 2 号

Research Articles

Application Experiments of the Accelerated Solidification Process to Slab Ingots and Large Forging Ingots By Nobuo Kagiwada and Yoshitaka Nakagawa.....	(65)
Reduction of Iron Ores in the Blast Furnace Stack. By Koretaka Kodama, Takehiro Horio and Noritoshi Inagaki	(74)
On the Activity of Iron Oxide in Silica-Saturated Slags. By Yasushi Kojima and Kōkichi Sano.....	(87)
Formation of Cold-Rolled Texture and Recrystallized Texture in Single Crystals of 3% Silicon Iron (Part II) —Recrystallized Texture— By Tadami Taoka, Ei-ichi Furubayashi and Shin Takeuchi	(95)
Corrigenda	(113)
Contents of Recent Articles on Iron and Steel Published in Japan.....	(A-6)

第 7 卷 第 3 号

Research Articles

Transition Behaviour and Evaluation of Fracture Toughness in Charpy Impact Test. By Toshirō Kobayashi, Kōichi Takai, and Hideyo Maniwa.....	(115)
Standard Methods for Identifying the Microstructures of Iron Ore Sinters and Pelletts. By The 54th (Iron-making) Committee, Japan Society for the Promotion of Science	(126)
Some Considerations on the Mechanism of Deoxidation Reaction of Molten Steel. By Kazuteru Senda.....	(134)
—Discussions—	(143)
Abstracts from Journal of The Iron and Steel Institute of Japan, March and April, 1967	(148)
Papers for the 73rd ISIJ Meeting, April, 1967	(A-8)
Institute Announcement and Reports —52nd General Assembly and 73rd ISIJ Meeting, April, 1967—	(A-21)
Contents of Recent Articles on Iron and Steel Published in Japan.....	(A-23)

第 7 卷 第 4 号

Review

Recent Developments in the Technique for Isolating Inclusions and Precipitates in Steels. By Kiyoshi Segawa	(163)
--	-------

Research Articles

On the Formation of Oxide Inclusions. By Yasushi Kojima, Kiichi Takahashi, Hiroshi Sakao and Kōkichi Sano	(172)
The Mechanism of Formation of Macroscopic Inclusions Produced by Air-Oxidation of Molten Steel. By Kazuteru Senda	(180)

Diffusion and Behaviour of Sulphur in α -Iron Grain-Boundaries	
By Marc Aucouturier, Akihiko Hoshino, Masatoshi Suzuki and Toru Araki	(191)
Dissolution of Massive Carbide in High Carbon, Chromium Steel by Soaking.	
By Kazuo Okamoto, Saburō Shikō and Takayoshi Ōta.....	(197)
Abstracts from Journal of The Iron and Steel Institute of Japan, May and June, 1967...	(205)
Contents of Journal of The Iron and Steel Institute of Japan	(A-24)

第 7 卷 第 5 号

Research Articles

The Impact Extrusion of Mild Steel in Blue-Brittleness Range. By Mitsuru Ishii	(217)
Mathematical Model of Blast Furnace. By Iwao Muchi	(223)
Kinetics of Secondary Recrystallization in Silicon Iron. By Takashi Matsuoka	(238)
Kinetic Study on the Deoxidation of Steel	
—Precipitating Deoxidation by Silicon and Manganese—	
By Nobuo Sano, Sumio Shiomi and Yukio Matsushita.....	(244)
On the Yield Strength of Quenched and Tempered Structures	
of Low-Carbon Low-Alloy Steel. By Tatsuro Kunitake.....	(254)
Abstracts from Tetsu-to-Hagané July and August, 1967	(263)
Contents of Recent Articles on Iron and Steel Published in Japan	(A-29)
Contents of Tetsu-to-Hagané.....	(A-31)

第 7 卷 第 6 号

Research Articles

Electron Microscope Observations of Deformation Twins in Single Crystals of α -Iron.	
By Youji Taneda, Kouzou Ojima and Tadayoshi Yamashita	(265)
Rate-Controlling Steps of Reduction Process of Iron-Oxide Pellet.	
By Akira Moriyama, Jun-ichiro Yagi and Iwao Muchi	(271)
Changes in Notch Toughness and Mechanical Properties of Quench-	
and-Tempered Low Carbon Steels Due to Cold Rolling. By Nobuhisa Ujiye	(278)
On the Quality of Steel from Continuously Cast Billet.	
By Shinkichi Koike, Akira Kimura, Tooru Hikage and Toshio Watanabe	(288)
Abstracts from Tetsu-to-Hagané, September, 1967	(296)
Institute Announcement and Reports	
—74th ISIJ Meeting, October, 1967—	(A-33)
Papers for the 74th ISIJ Meeting, October, 1967	(A-34)
Contents of Recent Articles on Iron and Steel Published in Japan	(A-51)
Contents of Tetsu-to-Hagané September, 1967.....	(A-53)