

ERHHAUF, H. H.

//DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FÜR
LUFT- UND RAUMFAHRT INSTITUT FÜR LUFTSTRAHLANTRIEBE//

--/04/1974, V----, N----,

A method of characteristics for three-dimensional,
steady supersonic flow in rotating and stationary
annular cascades, 86 pp.

Report Number DLR-FB 73-12,

ESRO TT-44, ORDER FROM NTIS##

Frumin, I.I. et al.

Determination of Optimum Temperatures for Heating High-Carbon Chromium-Titanium Steels Before Rolling.

STAL', 1973, No. 6, pp. 546-548.

BTST 11800

Franklin, A. R.

Electrocapillary phenomena in thallium salt solutions.
ZHURNAL FIZICHESKOI KHIMII, Vol 31, 1957, pp 485-492
HTC 73-22034-07D

Frunin, et al

Determination of optimum temperature for heating high-carbon chromium-titanium steels before rolling.

STAL', 1973, No.6, pp.546-548.

*BISI 11800

Frunze, V.

Variegated Profitability in BSSR Meat Industry
Criticized,

5 pp

PROMYSHLENNOST' BELORUSSII, Minsk, No 12, 1973.

pp 45-47.

JPRS 61809

FRUTSCHNIGG, E.

Postoperative Analgesia with Pentasodine Suppositories

DEUTSCHE MEDIZINISCHE WOCHENSCHRIFT, vol. 97,

pp. 656-660, 1972

NTC 73-103386060

March 73

Pruyentov, N. K.,

Medicinal Herbs of the Far East
KHABAROVSKOYE KNIZDAT 1972, 398 pp.

*ACSI K-4068

July 1973

Pruyentov, N.K., et al

Poisonous Plants

KHABAROVSKOYE KNIZDAT, 1971, 256 pp

*ACSI K-4069

July 1973

Fu'ad, Sa'd Zaghlud

Land Reclamation to Make Iraq a Breadbasket
Once Again, 6 pp.

AL-THAWRAH, Baghdad, 26 Aug 74, p 6.
JPRS 63271

Dec 74

Fuchs, G.

Measurement of the absolute radioluminescence yield
of liquid scintillators based on benzene and its
methylated derivatives

REVUE DE PHYSIQUE APPLIQUEE, v. 5, 1970, pp. 617-623

UCRL-trans-10680

WFO 73-13041-18D

FUCHS. D.

//DEW TECH. BER//

--/--/1973, V----, n0012

Use of composite centrifugally cast tubes as inner liners for containers in extrusion unit

pp 207-21 BISI 11925##

Fuchs, E.

Specific Desensitization with Inhalation Antigens

DEUTSCHE MEDIZINISCHE WOCHENSCHRIFT, v. 91, 1966,

pp. 804-808

NTC 73-12840-06E

Fuchs, Gerhard

Former Comintern Agent Discusses Maoist
Threat, 8 pp.

DAS VOLK, Erfurt, 13 Feb 74, pp 3, 6.

JPRS 61560

Apr 74

W. Fucks

About Electromagnetically Generated Shock Waves
at High Mach Numbers, by W. Fucks.

EUROPEAN, per, Atomkernenergie, Vol 7, 1962,
pp 447-449.

NTC 71-15495-201

Mar 72

A. Fuderer

Azeotropic and Other Frigen Mixtures as
Refrigerants, by A. Fuderer
GERMAN, per, Kältetechnik, Vol 15, 1963,
pp 235-239
NTC 71-15102-11G

mar 72

Fuchs, D, et al

Use of Composite Centrifugally Cast Tubes as
Inner Liners for Containers in Extrusion Units.

DEW TECH. BER., 1973, V.12, pp.207-212/

BISI 11925

Vincenc Fuciman

Goals of Chemical Industry in 1973 Reviewed,
by Vincenc Fuciman, 5 pp.

GOVERNMENT USE ONLY

CZECH, SLOVAK, per, Chemicky Průmysl, Prague,

No 1, 1973, pp 1-2.

JPRS/L 4449

Apr 73

25-Jul-74
Incl (ORNL-tr--2826) Alternate torsion of austenitic
stainless steels at elevated temperatures. Part I.
Mechanical response. FUENTES, M. Translated by R. G.
Mansfield from Rev. Met. (Madrid); 8: No. 2, 91-
97(1972). 10p. Dep. NTIS \$4.00.

11F metallurgy; translations
NN-25 P NSA

revision

Fuernberg, Friedl

CP Chairman Franz Muhri Biography, 5 pp.
VOLKSSTIMME, Vienna, 19 Oct 74, supplement,
pp 1-2.
JPRS 63372

Dec 74

Fuhrherr, Viliam

Czechoslovak Role in International Student Organization.

9 pp

SMENA, Bratislava, 4 May 1974, pp 1, 2.

JPRS 62159

Fuhrmann, J.

Recrystallization and melting initiated by
diffusion of solvents in polymers.

~~DEUTSCHE BUNDESGESELLSCHAFT FÜR PHYSIKALISCHE~~
~~CHEMIE. BERICHTE.~~ Vol. 74, 1970, p. 842-847

NTC 73-11463-07D

FUJII, M.
//DABAKU UCHI KOKU KENKYUJO NO HOKOKU//
--/--/1971, V0007, NOC10,
Gondola Descending Point Estimation, Part XI,
PP 276-285, *ARCHIVE

Fujii, M.

Gondola Descending Point Estimation.
Tokyo University. INSTITUTE OF SPACE & AERONAUTICAL
SCIENCE, BULLETIN Vol 6, No 1c 1970, pp 259-272

*AFSC (6 Jul 73)

July 1973

Fujii, M.

Some Environmental Factors Affecting Pitting
Corrosion in Stainless Steel.

NIPPON KINZOKU GAKKAISHI, V. 34, pp. 666-671.
1970.

HB 8654

FUJII, S.

//SHOKUBUTSU BOKKI//

--/--/1973,V0027,H0006, yp 0249-0252

The current state of plant damage by air
pollution in okayama prefecture

WTC 74-12688902D

#

FUJII, S.

Lipases of Higher Animals and their Biological
Significance

SEIKAGAKU, vol. 43, no. 12, pp. 1022-1042, 1971

NRC C-11808

March 73

Fujii, S.

Research concerning dust generation caused by various
movements indoors.

KUKI SEIJO, Vol 10, No 4, 1972, pp 60-74

NTC 73-14318-13B

Fujii, I.

A study of the effects of polyvinyl chloride manufactu-
ring plant effluent gas on the human body

TAIKI OSEN KENKYU, v. 4, n. 1, 1969, pp. 61

NTC 73-12863-06J

Collision of Plates and Gravity Anomalities, by
Y. Fujii, 7 pp.
JOURNAL OF THE GEODETIC SOCIETY OF JAPAN, Vol 18,
No 2, 1972, pp 58-61.

DMAAC-TC-1934

GOVERNMENT USE ONLY

June 73

Fujimoto, S.

Experiment on Exhaust Muffler by Pulsating Air Flow
NIPPON KENYO GAKKAISHI, v. 27, 1971, p. 568-576

NTC 73-11868-20D

BTIS N72-26234

FUJIMOTO, Y.

//YAKUGAKU ZASSHI//

--/--/1965, V0085, N----,

Synthesis of pyrimidine and purine bases. Part 1,

Synthesis of adenine from malonic ester,

pp 364-367, NTC 74-11501-060##

FUJIMOTO, Y.

//YAKUGAKU ZASSHI//

--/--/1965, V0085, N-----,

Synthesis of pyrimidine and purine bases. Part 2.

Synthesis of adenine from malonic ester,

pp 367-370, NTC 74-11502-060##

7-Jun-74

Uncl (JAPFNR--147) Metallurgical modification of austenitic stainless steels for uses in FBR, a preliminary survey. FUJIMURA, T.; KONDO, T.; NAKAJIMA, H. (JAPAN ATOMIC ENERGY RESEARCH INST., TOKAI, IBARAKI. TOKAI RESEARCH ESTABLISHMENT). Feb 1974. 70p. (PNC-N--251-74-8). Dep. NTIS (US Sales Only) \$6.50. For Power Reactor and Nuclear Fuel Development Corp., Tokyo (Japan).

11F metallurgy; 18J reactor materials; 18L reactors-power; translations
STD-79b NP NSA

1-Mar-74
Uncl (JAPFNR--125) Response of structural materials
to impulsive loading for fast breeder reactor
development. FUJIMURA, T.; UEDA, S.; OBA, T. (JAPAN
ATOMIC ENERGY RESEARCH INST., TOKYO). Jul 1970. 55p.
Dep. NTIS (U.S. Sales Only) \$4.75.
For Power Reactor and Nuclear Fuel Development Corp.,
Tokyo.

18J reactor materials; 18L reactors-power
MN-79b NP NSA

Fujimura, Y.

Effect of Austenizing Condition on the Lower Bainite
Transformation in an Eutectoid Carbon Steel

NIPPON KINZOKU, 1972, 36, (1), pp 83-90

BISI-11218

Fujimura, Y.

Effect of austenitizing condition on the lower bainite transformation in an eutectoid carbon steel.

NIPPON KINZOKU, 1972, v.36, n.1, pp85-90.

* BISI 11218

Fujimura, Y.

Tensile behaviours of high Cr-low Ni two phase
stainless steels at room and low temperatures.

JOURN. JAPAN INSTITUTE OF METALS, 1973, Vol.37

No.1, pp.33-39.

*BISI 11742

11. Fujisaki

Corrosion of structural materials in desulfurization plants.

SEKIYU GAKKAI SHI, Vol 14, No 9, 1971, pp 691-695
NTS 31A1307

page 73

Saizohi Fujise

Stability of aqueous solutions of HCN in the presence of ammonia or ammonia and CO₂. 12 pp.

KOGYO KAGAKU ZASSHI, Vol 64, No 11, 1961, pp 1889-1891
NASA TT F 14,691

apr 73

4-Mar-74

Unc1 (SLA--74-6008) Photosensitized electrolytic
oxidation at a TiO_2 semiconductor electrode. FUJISHIMA,
A.; HONDA, K.; KUKUCHI, S. Translated from Kogyo
Kagaku Zasshi; 72: 108-113(1969). 25p. Dep. NTIS
\$3.25.

20L physics (solid-state); translations
MN-34 P NSA

4-Mar-74

Uncl (SLA--74-6009) Studies of the
photoelectrochemical reactions of a TiO_2 semiconductor by
the rotating ring-disk electrode method. FUJISHIMA, A.;
HONDA, K. Translated from Seisan Kenkyu; 22: 478-
481(1970). 16p. Dep. NTIS \$3.00.

20L physics (solid-state); translations
MN-34 P NSA

Fujita, K.

*Corrosion of chrome steels by hydrogen chloride gas and
by chlorine gas.*

BOSHOKU GIJUTSU, Vol 19, No 8, 1970, pp 14-19

NTC 73-14209-11F

Fujita, M.

*Experimental investigation of various methods for
computing K_{ja} in a batch system.*

HAIKO KOGAKU ZASSHI, Vol 51, No 1, 1973, pp 47-53
NTC 72-14712-133

Fujita, M.

*Experimental investigation of various methods for
computing K_a in a continuous flow system.*

HAKKO KOGAKU ZASSHI, Vol 61, No 1, 1978, pp 54-57

NTC 78-14715-15B

Fujita, T. et al

TRIP Steel in Japan. I - Properties of Basic
and Modified TRIP Steels.

TETSU TO HAGANE, vol. 57, 1971, No.4, Lectures
141 and 142; pp.S141 and S142.

HB 8959

~~Sajiya~~, T. et al

Part III - Effect of Titanium and Columbium
and Heat Treatment on the High-Temperature
Strength of Austenitic Heat-Resisting Steels.
TETSU TO HAGANE, vol. 57, 1971, No.4, Lectures
209, 210, and 211; pp. S209, S210 and S211.
HB 8950

FUJIMURA, M.

//FENKI//

--/--/1972, V0010, B0001.

Relationships between Radar Reflectivity Z and
Rainfall Intensity R on Snowflakes and Snow Pellets,
pp 31-36, *AFCR158

FUJIWARA, T.

//SHOKUBUTSU BOKKI//

--/--/1973, V0027, W0006, PP 0233-0236

Damage to plants caused by complex
pollution of atmosphere

HTC 74-12689-02D

#

FUJIWARA, T.
//KOGAI TO TAIHAKU//
--/--/1973, V0009, W0003, pp 0253-0257
Effects of nitrogen oxides on plants
HTC 74-12668-02D
#

Fujiwara, T.

Sulfur accumulation form and development of injury-
symptom in plants which absorbed sulphur dioxide.

NIHON SHOKUBUTSU BYORIGAKU KAIHO, Vol 36, 1970,

pp 127-131

NTC 73-14317-08C

Fujiwara, T.

Effects of Atmospheric Sulfur Dioxide on the Incidence
of injury Symptoms in Vegetable Crops and on their
growth

NOEN KENYUHO NO. 11, 1971, pp 87-96
HTC 73-11632-021

Fukinuki, T.

Effective image coding of television-telephone
signals. Redundancy reduction in image coding of
TV telephone signals.

TELEVISION SOCIETY OF JAPAN. TRANSMISSION STUDY
COMMISSION, 1972.

NTC 73-12336-17B

Fuks, I. M.

Spectral Width of Signals Scattered on a Wavy Sea Surface.

14 pp

AKUSTICHESKIY ZHURNAL, Moscow, Vol 20, No 3, 1974,
pp 458-468.

JPRS 62958

PUKS, I. N.

//AKUSTICHESKIY ZHURNAL//

--/03/1974, V0020, R0003,

*On the width of the spectrum of signals scattered
by an agitated sea surface,*

pp 458-468, JPRS 629524

V. R. Fuks

Effect of Internal Tidal Waves on the Diurnal
Vertical Migration of Plankton.

RUSSIAN, per, Tikhookeanskii Nauchno-
Issledovateskii Institut Rybnogo Khozyaistva
i Okeanografii. Izvestiya, Vol 47, 1959,
pp 3-35

NTC 72-60463-08A

sept 72

FURS-RABKOVICH, M.S.

//TRUDY GIDROMETEOROLOGICHESKIY NAUCHNO-ISSLEDOVATEL'SKIY
TSENTR SSR. CHISLENNYIE METODY ANALIZA I PROGNOZA
METEOROLOGICHESKIH POLEVO//

--/--/1978, V---, NO100,

Study of spectral properties of forecast fields for
finite-difference models of the atmosphere using complete
equations, 11 pp.

pp 48-54, AIR/FTD-HC-23-2204-7400

FUKS-RABINOVICH, M. S.
//TRUDY, GIDROMETEOROLOGICHESKIY NAUCHNO-
ISSLEDOVATEL'SKIY TSENTR SSSR, (LENINGRAD),//
---/---/1972, V----, NO100,
Studying the spectral properties of prognostic
fields for finite-differences atmosphere model
through complete equaltions, 12 pp
pp 46-74, AIR/FTD/HT-23-1196-7400

Fukuba, H.

Studies on Lipoxidase. III. Optimum pH of
Lipoxidase.

AGRICULTURAL CHEMICAL SOCIETY OF JAPAN, V.26,
pp.170-172, 1952.

*NTIS TT 74-53100

Fukuba, H.

Studies on Lipoxidase

AGRICULTURAL CHEMICAL SOCIETY OF JAPAN
Vol 26, 1962, pp 167-170

*NTIS-TT-74-53095

Fukuba, H.

Studies on Lipoxidase

AGRICULTURAL CHEMICAL SOCIETY OF JAPAN

Vol 25, 1952, pp 483-487

*NTIS-TT-74-53099

Fukuda, M.

Controlled Rolling of Low Carbon Killed Steel.
TETSU-TO-HAGANE, 1972, Vol. 58, No. 13, p 1832
BISI 11499

Fukuda, N.

Production of Titanium-Stabilized Extra-Low
Carbon Steel for Deep Drawing.

TETSU TO HAGANE, Vol. 59, 1973, No. 2, pp.231-
240.

HB 8995

FUKUSHIMA, H.
//KOKUSAI TSUSHIN HO KENKYU//
--/1972, 7--10073,
Low Sideband Antenna for the Tokyo-Ibaraki
Microwave Relay Route,
pp 1-8, NTC 74-10117-09768

FUKUMOTO TSUTOM JA

WASTE GAS AND WATER DISPOSAL ACCOMPANYING THE
INCINERATION OF PLASTIC SCRAP

FSTC-HT-23-0990-74

FUKUOKA, S.

Pollutant Concentrations and Meteorological
Conditions in Tokyo during Smog Alerts
KOGAI TO TAISAKU, vol. 2, no. 11, pp. 17-26, 1966
NTC 73-10162-04B

March 73

K. Fukuta

A Study of Dip Cooling. Part I - Critical Temperatures in Dip Cooling. Part II - Nukiyama and Leidenfrost Points in Liquid-Drop Vaporization. Part III - Relationship Between Cooling, Vaporization, and Boiling Curves, by K. Fukuta and M. Mitsutsuka.

TETSU TO HAGANE, Vol 57, 1971, No 11, Lectures 241, 242, and 243, pp 8241, 8242, 8243.

HB-8827-I

April 73

Fukuta, K.

A Study of Dip Cooling. Part V- Effect of
Stirring of Water. Specimen Location in Dip
Cooling.

YETSU TO HAGANE, Vol. 58, 1972, No. 11, Loc.
228, 229; p. 8513, 8514.

HB 8827-II

Fukuta, K.

A Study of Dip Cooling. Part IV- Heat Transfer
Coefficient and Effect of Water Temperature on
Dip Cooling.

TETSU TO HAGANE, Vol. 58, 1972, No. 11, Sec.
228, 229; p. 8513, 8514.

HB 8827-JI

Fukuyama, Y.

Geographic and Historical Survey of Urinary Proteins
in the Inhabitants of the Itai-Itai Disease District
IGAKU TO SEIKATSUGAKU, v. 84, n. 5, 1972, pp. 505-510
NTC 73-12871-06E

Fukuyama, Y.

An Attempt at differentiation of Urinary Proteins
between Cadmium-poisoned and other kidney disease
Patients

IGAKU TO SEIBUTSUIGAKU, v. 83, n. 4, 1971, pp. 139-
143

NTC 73-12874-06A

Fukuyama, Y.

Epidemiological Survey of Urinary Protein from
inhabitants in the Itai-Itai Disease District
IGAKU TO SEIYOTSUGAKU, v. 84, n. 4, 1972, pp. 249-
253

WFO 73-12872-06E

Fukuyama, Y.

*Osteopathy and nephropathy in the inhabitants of a
cadmium-polluted district*

IGAKU TO SEIBUTSUGAKU, v. 81, n.1, 1970, pp. 37-42

REC 78-12959-08J

Fukuyama, Y.

Proteinuria in Itai-Itai Disease and Cadmium Poisoning
IGAKU TO SEIBUTSUIGAKU, v. 86, no. 1, 1972, pp. 41-46
NITC 73-12873-068

Fukuyama, Y.

Evaluation of screening Tests for Proteinuria in
Itai-Itai Disease

IGAKU TO SEIBUTSUGAKU, v. 83, n. 3, 1971, pp. 85-90

WFO 73-12875-068

Fukuyama, I.

*Relationship between proteinuria and heavy metal
pollution in the itai-itai disease district*

IGAKU TO SEIBUTSUGAKU, v. 86, n. 3, 1971, pp. 101-106

NTC 78-13870-06J

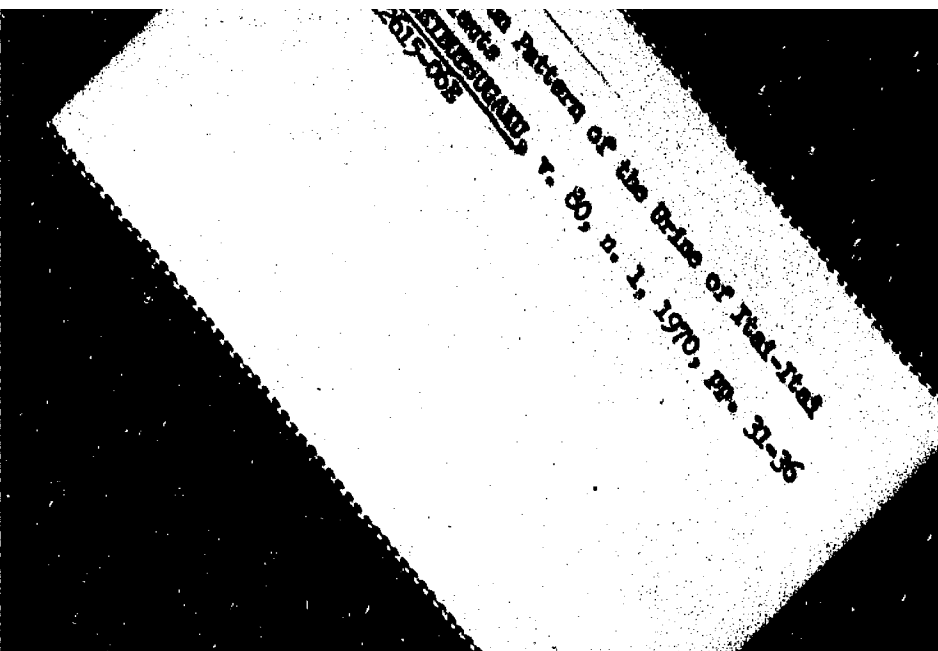
Fukuyama, Y

Studies on the etiology of itai-itai disease.

IGAKU TO SEIBUTSUGAKU, 1970, pp. 131-135,

v. 80, n. 3.

NTC 73-12246-06E



Fukuyama, Y.

Gel Filtration Pattern of the Urine of Itai-Itai
Disease Patients

TOKYO TO SEIKETSUGAKU, v. 80, n. 1, 1970, pp. 31-36

NTC 73-12615-06E

Fukunishi, K.

*Lipids of cancerous tissue. Report No 3. A speculation
on the cause of cancer generation from the viewpoint of
fat chemistry.*

YUKAGAKU, Vol 14, No 3, 1966, pp 54-57

NTC 73-81820-06A

A. Fulara

Important diseases of poppy.

Ochrona Roslin, vol. 12, no. 3, Warsaw, pp.

16-17, 1968

*NTIS-TT-73-54079

may 73

Fulero, Guy

CP to Increase Activity in Industrial, Business
Enterprises, 11 pp.

CAHIERS DU COMMUNISME, Paris, Feb 74, pp 72-80.

JPRS 61433

Apr 74

Fuliwara, M.

Dislocation velocity-stress exponent m^* in Fe -
0.05% Mn and Fe - 5% Ni.

JOURN OF THE JAPAN INSTITUTE OF METALS, 1973,

Vol.37, No.2, pp.241-246.

BISI 11807

Pullani, Jani

State Arbitration Chief Criticizes Violations
of Contracts, 5 pp.

TERI I POPULLIT, Tirana, 9 Feb 74, p 3.

JPRS 61664

May 74

Fulop, Jozsef

Advantages, Problems, Experiences of Factory-
Type Hog Raising, 5 pp.

FIGYELŐ, Budapest, No 6, 6 Feb 74, p 11.

JPRS 61412

Apr 74

Fumiki Takahashi

JAP. J. APPL. ENTOMOL. ZOO. Vol 5, 1961
PP 185-190

*NTIS-TT-74-53339

Fumiki Takahashi

JAP. J. APPL. ENTOMOL. ZOOL. Vol 21, 1956
pp 179-185

*NTIS-TT-74-53338

Funada, T.

On the PCG processing by digital filter.

IYO DENSHI TO SEITAI KOGAKU, Vol 9, No 5, 1971,

pp 337-343

NTC 73-14417-06B

Funduk, Milos

How Law on Nationwide Defense Is Being
Applied in Croatia, 7 pp.
ODBRANA I ZASTITA, Belgrade, Mar-Apr 73,
pp 29-31.
JPRS 59683

Sep 73

Fundulis, Khristos

Economic Cooperation in the Balkans Discussed,
13 pp.

MEZHODUNARODNI OTNOSHENIYA, Sofia, No 4, 1973,
pp 50-60.

JPRS 60897

Jan 74

Frank, W.

Spinning nozzles--components for the chemical fiber industry. The present state of the art.

CHEMIEFASERN (UND TEXTIL-ANWENDUNGSTECHNIK UND
ZEITSCHRIFT FÜR DIE GESAMTE TEXTILINDUSTRIE), Vol 22,
No 6, 1972, pp 518-522
NTC 73-13536-11E

FUNK, P.

//MATERIALS//

--/--/1973,V0015,N0008,

Investigation of Lubricants for the Deep-Drawing
of Austenitic Steel Sheet,
pp 261-267, NB 914088

P. Funke et al
Effect of High Rates of Heating and Cooling on the
Strip Properties in the Process-Annealing of Plain
Rimming-Steel Cold Strips, by P. Funke et al.
STAHL EISEN, 1972, Vol 92, No 5, pp 186-95.
BISI 10344

April 73

Funke, P. et al

Effect of Different Rolling Conditions on the
Rolls and on the Rolled Product in a Hot Rol-
ling Mill for Wide Strip.

STAHL EISEN, 1972, Vol. 92, No.22, pp.1113-22.

BISI 10952

Funks, P. et al.

Controlling Recrystallization of A Killed Low-Carbon
Steel by Means of A Preceding Tempering Treatment

STEEL-IND EISSE, 1972, 92, (5), pp 181-185

EISI-10510

Funks, P.

The Adherence of Zinc Coatings on Hot Dip Gal-
vanised Steel Wire.

STAHL U. EISEN, 1972, Vol.92, No.18, pp.867-73.

BISI 12008

Furke, P.

Effect of different rolling conditions in a hot rolling mill for wide strip on the surface on the rolls and of the rolled product.

STAHL UND EISEN, Vol 92, 1972, pp 1113-1122

NTC 73-14036-13H

Funke P. et al

Controlling the Properties of an Unkilled Deep-Drawing Steel, Annealed at High Heating Rates By Means of Artificial Aging.

STAHL EISEN, 1973, Vol.93, No.4, pp.129-135.

BISI 11370

Funks, P.

Optimising Throughput on Tandem C.R. Mills
Calculation Model.

STAHL U. EISEN, 1973, Vol. 93, No. 15, pp. 680-689.

* BISI 11814

Funke, W.

Microcellular polymers films by phase separation
during film formation and their properties.

SOCIETY OF GERMAN CHEMISTS WORKING COMMITTEE ON
MACROMOLECULAR CHEMISTRY MEETING. March, 1972
NTC 73-10759-111

MAY 73