

資料室だより

BISI Translation 紹介

— No 72 —

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またこの翻訳論文の刊行準備のできたものの Title, Abstract および出典について Translations Available(Weekly) が刊行されたり、また Ironmaking and Steelmaking に掲載され、事前にどんな論文が出るかわかるようになります。

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資料委員会では 1965 年より業界の協力のもとに共同購入してまいりました。

次に列記いたしました Title は最近入手したものです。複写は禁止されておりますので閲覧のみに限ります。

“資料室だより”の別刷ご希望の方は調査課までご連絡下さい。無料でさし上げます。Tel. (279) 6021

BISI Translations List Nos. 805~810 Management Planning and Control

BISI 14244 (E. Just and G. Mascher)

The effect of alloying elements on the price of steel.

[Hart.-Techn. Mitt. 1974, 29, (1), 25-31]. (G)

BISI 14305 (V. N. Mikhajlovskii, et al.)

Simulation machine models for the planning of steelmaking shops 1.

[Stal', 1976, (1), 31-34]. (R)

Physical Structure of Materials and Crystallography

BISI 14216 (A. A. Vorob'ev, and A. M. Levin.)
Approximate method of calculating conditions for homogeneous formation of nuclei in deoxidation.

[Izv. VUZ Chern. Met., 1975, (12) 24-28]. (R)

BISI 14359 (V. P. Nernchenko, et al.)

Diffusion characteristics of the adsorption and desorption of melt components in and from the surface of surfacing bubbles.

[Izv. VUZ Chern. Met., 1976, (2), 34-38]. (R)

BISI 14362 (S. N. Bogdanov, et al.)

Investigation of the diffusion of nitrogen in molten iron

[Izv. VUZ Chern. Met., 1976 (2) 61-63] (R)

BISI 14363 (V. K. Vorontsov, et al.)

The formulation and solution of the three-dimensional problem of plastic flow by method of experimental mechanics. Communication 2.

[Izv. VUZ Chern. Met., 1976, (2), 68-72] (R)

BISI 14385 (L. P. Ershova, et al.)

Brittleness in cold-rolled transformer steel.

[Stal', 1976 (2) 171-174] (R)

BISI 14392 (J. Bosansky.)

Measurement of degree of dilastic strain in α -by means of slip bands.

[Kovove Materialy, 1975, (6), 694-704] (C)
BISI 14467 (V. I. Yavoiskii, et al.)

An investigation of the distribution of manganese and oxygen between molten iron and multi-component oxide melts.

[Izv. VUZ Chern. Met., 1976, (3) 27-32] (R)

BISI 14472 (G. Ya. Gun, et al.)

Procedure for determining the rheological properties of porous materials

[Izv. VUZ Chern. Met. 1976, (3), 66-70] (R)

BISI 14473 (V.A. Ogorodnikov)

Deformability of the metal during pressure working

[Izv. VUZ Chern. Met. 1975, (3), 74-77] (R)

BISI 14328 (A. B. Mostovoi, et al.)

X-radiation used in investigating the kinetics of the solidification of alloys.

[Izv. VUZ Chern. Met., 1976, (1), 167-170] (R)

BISI 14369 [G. M. Vorob'ev and L. P. Borisov)

Evaluating the motive force of secondary recrystallization in silicon iron.

[Izv. VUZ Chern. Met. 1976 (2) 111-1113] (R)

Physical Metallurgy and Metallography

BISI 13990 (P. Sykora, and V. Mandak.)

Studying the crystallization of malleable cast iron by means of thermal analysis'a critical evaluation.

[Slevarenstvi, 1975, (3-4), 149-153] (C)

BISI 14410 (F. Jandos, et al.)

The effect of some metallurgical factors on primary grain size in Mn-Ni-Cr austenitic steel.

[Hutnik, 1975, (8), 307-312] (C)

BISI 14466 (Sami-El-Afifi, and E. F. Vegman)

Investigation of the microstructure of metallized the singer.

[Izv. VUZ Chern. Met., 1976, (3), 20-23] (R)

BISI 14368 (R. I. Mints, and V. A. Semenkin.)

- Effect of plastic deformation on the likelihood of the mössbauer effect occurring in multiphase iron-manganese alloys.
[Izv. VUZ Chern. Met., 1976, (2), 107-110] (R)
- BISI 14373 (N. S. Bespalov, et al.)
Investigation of cast-iron crystallization by a decantation method.
[Izv. VUZ Chern. Met., 1976, (2), 148-151] (R)
- BISI 14114 (A. Ya Khrapov, et al.)
Gamma-resonance investigation of cementite isolated from cast irons alloyed with manganese, chromium and titanium.
[Izv. VUZ Chern. Met., 1975, (10) 141-144] (R)
- BISI 14223 (I.N. Bogachev and A. G. Rudenko)
Internal diffusion during phase transformations in Fe-Mn alloys.
[Izv. VUZ Chern. Met., 1975, (12) 98-101] (R)
- BISI 14414 (S. Drapal, and V. Picha.)
The effect of the decarburized layer on the mechanical properties of pearlitic malleable cast iron.
[Slevarenstvi, 1975, (7), 268-272] (C)
- BISI 14609 (R. Rosenfield)
Undesirable formation of iron pentacarbonyl
[Sbornik VSB Ostrava. 1972, 18, (1), 39-44] (C)
- Physical Properties and Chemical Analysis**
- BISI 14326 (Yu. O. Mezhennyi, et al.)
Investigation into the causes of stratification of TsM-2A alloy sheets.
[Izv. VUZ Chern. Met., 1976, (1), 145-150] (R)
- BISI 14482 (V. P. Poletaev, et al.)
Velocity distribution over the stream cross section during discharge from a multinozzle lance.
[Izv. VUZ Chern. Met., 1976, (3), 173-177] (R)
- BISI 14228 (N. Kryuchkov, et al.)
Investigation of the heat exchange in surface heat exchanges with air-water cooling.
[Izv. VUZ Chern. Met., 1975, (12), 129-132] (R)
- BISI 14322 (A. I. Burtsev, et al.)
Elasto-plastic stresses in the radiant heating of a cylinder.
[Izv. VUZ Chern. Met., 1976, (1), 106-110] (R)
- BISI 14327 (E. A. Leonova.)
The thermal stresses in a cylinder with varying thermoelastic characteristics.
[Izv. VUZ Chern. Met., 1976, (1), 161-166] (R)
- BISI 14358 (D. M. Laptev, et al.)
Thermodynamic characteristics of the reactions in the Si-O-C system. Communication 2.
[Izv. VUZ Chern. Met., 1976, (2), 22-26] (R)
- BISI 14470 (O.I. Ostrovskii, et al.)
Enthalpy of solution of phosphorus in iron and nickel.
[Izv. VUZ Chern. Met., 1976, (3), 55-58] (R)
- BISI 14501 (J. Kunes.)
Temperature field with complicated boundary and conditions.
[Hutn. Listy, 1975, (11), 811-816] (C)
- BISI 14607 (F. Richter, and W. Pepperhoff.)
- The thermal expansion of face-centered cubic iron alloys.
[Arch. Eisenhüttenwes., 1976, 47, (1), 45-50] (G)
- BISI 14521 (M. Foldeaki.)
The magnetic after-effect of interstitial contaminants in steels.
[Bany es. Koh. Lapok, (Kohaszat), 1975, 108, (12), 535-539] (H)
- BISI 14253 (G. Faninger et al.)
Controlled experiments in quantitative radiographic phase analysis (RPA). 1-IV.
[Här.-Techn. Mett., 1975 30 (4) 231-240] (G)
- BISI 14694 (V. N. Pinchugov, et al.)
Determination of naphthalene content in direct and return coke oven gas by gas-liquid chromatography.
[Koks i Khimiya, 1976, (1), 41-42] (R)
- Mechanical Properties and Material Defects**
- BISI 14080 (V. Bina, and R. Pech.)
Stochastic relaxation model and relaxation properties of the steel grades CSN 41 5320.
[Strojirenstvi, 1975, (5), 297-303] (C)
- BISI 14493 (J. Nemec.)
Main conclusions on the theoretical fatigue behaviour of metallic bodies at normal temperature.
[Strojirenstvi, 1976, (1), 3-11] (C)
- BISI 14615 (K. Wiebusch.)
Testing electroplated plastics.
[Galvanotechnik, 1976, 67, (3), 195-205] (G)
- BISI 13883 (R. Becker, et al.)
Eddy current testing of thin-walled tubes using a multi-frequency method.
[Materialprüfung 1975, 17, (7), 238-239] (G)
- BISI 14124 (K. H. Schlusnus, and H. J. Wahl.)
Measurement of the indicating characteristics of artificial defects during.
[Verein Deutscher Eisenhüttenleute, Fachaus- schussbericht 6,002 pp.5/22.] (G)
- BISI 14523 (F. Forster.)
Progress in non-destructive testing by means of electro-magnetic methods.
[Materialprüfung, 1962, 4, (11), 397-406] (G)
- BISI 14110 (V. P. Levchenko, et al.)
Influence of microalloying with hydride-forming elements on HAI line crack sensitivity of 34 khN 3 M steel.
[Izv. VUZ Chern. Met., 1975, (10), 116-119] (R)
- Corrosion and Corrosion Testing**
- BISI 14140 (D. S. Barkaya, et al.)
Effects of certain factors on the susceptibility of iron-chromium-aluminium system alloy wire to "pitting" corrosion.
[Stal', 1975, (11), 1032-1033] (R)
- BISI 14241 (H. Boettger and F Umland)
Research into high-temperature corrosion by chlorides.
[Werkstoffe Korros., 1974, 25, (11), 805-816] (G)
- BISI 14498 (M. Kullis)
Reliable prevention of corrosion an efficient

method extending service life and improving safety of underground constructions.

[Strojirenska Vyroba, 1976, (1), 31-36] (C)

Protection of Materials

BISI 13959 (E. W. Justi, and H. E. Ewe.)

Storage by means of fuel cells.

[VDI-Berichte, 1974, (223), 109-117] (G)

BISI 14608 (G. G. Weiler.)

Calculating the thickness of electrolytically deposited metal layers (PART 1).

[Metalloberfläche, 1976, 30, (1) 26-30] (G)

BISI 14285 (J. Brennek.)

Technology of anticorrosion protection of cars for coke quenching.

[Powłoki Ochr. 1974, 11, (8), 47-50] (Po)

Rolling

BISI 14136 (V. B. Fain, et al.)

Matching the rhythm of feeding metal from controlled-cycle furnaces with the rolling rhythm on strip mills.

[Stal', 1975, (11), 1019-1020] (R)

BISI 14210 (V. V. Mashirov, and B. F. Romanchikov.)

The hydraulic drive in roll profile control systems.

[Stal', 1975, (12), 1110-1111] (R)

BISI 14222 (K. A. Ivanov and O.P. Maksimenko)

Effect of the micro-relief of roll and rolled stock surfaces on the entrapment of industrial lubricants in hot-rolling.

[Izv. VUZ Chern. Met., 1975, (12), 83-86] (R)

BISI 14323 (I. G. Getiya, and V. K. Shumilin.)

Analysis of the effect of the supporting tool on the process parameters of cross-rolling.

[Izv. VUZ. Chern. Met., 1976, (1), 111-116] (R)

BISI 14324 (S. I. Zaitsev, and Yu. A. Berezhko.)

Investigation of the effect of the intermediate processing capacities on the productivity of a sheet rolling shop.

[Izv. VUZ. Chern. Met., 1976, (1), 117-120] (R)

BISI 14379 (V. K. Kobyzhev, et al.)

Radical improvement in rail rolling technique.

[Stal', 1976, (2), 146-149] (R)

BISI 14380 (I. S. Trishevskii, et al.)

New technology for producing curved sections from steel with raised and high strength.

[Stal', 1976, (2), 149-152] (R)

BISI 14381 (I. K. Suvorov et al.)

Investigation into the reliability of equipment for a continuous 1700 wide-strip.

[Stal', 1976 (2) 152-155] (R)

BISI 14418 (H. Brennecke, et al.)

Light section cooling from rolling heat.

[Neue Hütte, 1976, 21, (2), 73-80] (G)

BISI 14458 (B. P. Shilenko, et al.)

System investigation of the performance of the A. K. Serov works rolling mill complex.

Stal', 1976, (3), 243-247] (R)

BISI 14459 (K. N. Tkalich, et al.)

The profiling of heavy-gauge sheet mill rolls.

[Stal', 1976, (3) 248-250] (R)

BISI 14463 (M. E. Zvagel'skii, et al.)

Economic effectiveness of automatic control by the rate schedule a of continuous hot-rolling mill.

[Stal', 1976, (3), 271-273]. (R)

BISI 14475 (A. B. Chelyustkin, et al.)

Improving the quality of hot-rolled light-gauge sheet. Communication 1.

[Izv. VUZ Chern. Met., 1976 (3) 96-98] (R)

BISI 14485 (Yu. D. Zhelezov, et al.)

Stability of high-gauge sheets during continuous rolling.

[Izv. VUZ Chern. Met., 1976, (3), 99-102] (R)

BISI 14502 (J. Počta)

Method for setting-up an algorithm for the control of the hot rolling process for heavy plates in reversible trains.

[Hutn. Listy, 1975, (10), 707-710] (C)

BISI 14505 (M. Zidek, et al.)

Optimization of rolling of semis for manufacture of billets circular in shape.

[Hutnik, 1975, (8), 301-306] (C)

BISI 14518 (L. Schippert)

Effect of speed on the value of the natural angle (γ°) in the cold rolling of strips

[Bany. Koh. Lapok (Kohaszat), 1976, 109, (1), 39-47] (H)

BISI 14550 (M. Ya. Brovman and V. Kh. Rimen)

Research into the electric rolling of metals

[Izv. VUZ Chern. Met., 1976 (4) 90-93] (R)

BISI 14568 (K. H. Mommertz, et al.)

Variables influencing the limits of productivity of wide hot strip mills.

[Stahl Eisen, 1976, 96, (2), 53-59] (G)

BISI 14596 (AFNOR)

Sheet piling-qualities of steel.

[French Standard NF A35-520, Nov. 1975]

Metalworking, Excluding Rolling

BISI 13923 (V. P. Markov, et al.)

The new tube rolling unit with continuous mill

[Stal', 1975, (8) 719-723] (R)

BISI 13924 (V. V. Nosal)

A tube-rolling unit with a continuous reeling mill

[Stal', 1975, (8), 724-725] (R)

BISI 14137 (P. I. Kutsenko, and E. O. Nodev.)

A new tube-rolling unit with a continuous mill.

[Stal', 1975, (11), 1021-1024] (R)

BISI 14382 (Ya. E. Osada, and A. D. Lovlya.)

Problems of a complex approach to the task of raising the guaranteed quality of welded tubes.

[Stal', 1976, (2), 156-158] (R)

BISI 14460 (G. I. Gulyeav, et al.)

Effect of deformation schedules on the properties of steam superheater tubes of type 12 Kh 1MF steel, strengthened by thermomechanical treatment.

[Stal. 1976 (3) 255-256] (R)

BISI 14461 (E. Ya. Lezinska, and L. I. Shevehenko.)

Control of grain size in hot worked tubes of stable austentic steel.

[Stal', 1976, (3), 264-265] (R)

- BISI 14476 (Yu. F. Shevakin, et al.)
Method of analysing the transverse wall thickness variation of seamless tubes.
[Izv. VUZ Chern. Met., (3) 107-110] (R)
- BISI 14500 (M. Snasel.)
Effect of deformation conditions and extent on the quality of hollow billets made by diagonal piercing process.
[Hutnicke Listy, 1975, (11), 783-789] (C)
- BISI 14576 (H. Schrewe, and J. Glaser.)
Rounds as the starting material for seamless tubes.
[IRSID-Metals Soc. Continuous Casting Conf., Biarritz, 30th May-2nd June 1976] (G)
- BISI 14290 (U. Ufermann, and W. Horster)
Feasibility of processing heavy wire rod coil weights in wire drawing plants.
[Stahl Eisen, 1976, 96, (2), 67-72] (G)
- BISI 14383 (A. A. Taybulina et al.)
Certain problems in the production of metal cord.
[Stal', 1976, (2), 159-160] (R)
- BISI 14320 (Ya. M. Okhrimenko, et al.)
Determining the average punch temperature in the quasi-stationary stage when pressing vanes from alloys resistant to high-temperature oxidation.
[Izv. VUZ Chern. Met., 1976, (1), 96-99] (R)
- BISI 14503 (O. Gajdorus.)
Analysis of factors which influence the performance of dies in cold-drawing in drawing mills.
[Hutn. Listy, 1975, (10), 737-740] (C)
- BISI 14514 (E. Lang)
The signification of characteristic values and process evaluation of metal forming behaviour when deep drawing thin metal plates (1)
[Bander Bleche Rohre, 1975, 16, (12), 511-514] (G)
- BISI 14479 (L. I. Mirkin, and E. F. Smyslov.)
Sintering of carbonyl iron powder with laser beams and shock waves.
[Izv. VUZ Chern. Met., 1976, (3), 152-155] (R)
- Steel and Alloys (Technical Applications and Methods of Production), Cermets**
- BISI 14206 (M. A. Benyakovskii, et al.)
Improving the quality of 08Yu non-aging steels.
[Stal', 1975, (12), 1084-1087] (R)
- BISI 14213 (D. A. Litvinenko, et al.)
Influence of furnace charge on the properties of industrially melted 30 KhGsn constructional steel.
[Stal', 1975, (12), 1127-1129] (R)
- BISI 14422 (MNC, Stockholm.)
Reinforcement fabric steel : technical conditions of supply
[Swedish Standard SIS 21 91 80; 2nd. Ed. 10.5.69].
- BISI 14423 (Swedish Standard.)
Reinforcement fabric Nps 50- steel fabric for concrete reinforcement
[Swedish Standard SIS 21 18 45; 3rd. Ed. 10-5-69].
- BISI 14424 (Swedish Standard.)
Regulations for inspection of reinforcement products during manufacture.
[Svensk Byggstallkontroll, Roslagsgatan 50-52C Stockholm, 8-12-75.]
- BISI 14538 (I. E. Brainin et al.)
60Kh2SMF-a new steel for work rolls in cold rolling mills.
[Stal', 1976 (4) 362-365] (R)
- BISI 14455 (D. A. Smolyarenko, et al.)
The effect of deoxidation and micro-alloying of 18 YuA grade non-aging steel on steel quality.
[Stal', 1976, (3), 221-223]. (R)
- BISI 14477 (R. Elkusy, et al.)
Investigation of some technical schedules for the production of 08kp steel automotive sheet
[Izv. VUZ Chern. Met. 1976, (3) 111-113] (R)
- BISI 14279 (B. Million, et al.)
Diffusion of Cr, Ni and W in CAN 17436 tungsten-alloyed steel.
[Kovove Materialy, 1975, (5), 545-556]. (C)
- BISI 14370 (F. K. Tkachenko et al.)
Variation in linear dimensions in cold worked alloy steels during heating.
[Izv. VUZ Chern. Met. 1976 (2) 119-122] (R)
- BISI 14384 (Yu. I. Matrosov, and I. E. Polyakov.)
Improving toughness and ductility and reducing property anisotropy in low alloy steels.
[Stal', 1976, (2), 162-167]. (R)
- Casting and Cast Metals**
- BISI 14131 (P. M. Shchastnyi, et al.)
Development of the shape of slabbing ingots and the design of ingot moulds at the zaporozhstal steel plant.
[Stal', 1975 (11), 991-992] (R)
- BISI 14133 (S. M. Genzelev.)
An investigation of steel casting ladles with an increase in ladle capacity.
[Stal', 1975, (11), 997-998]. (R)
- BISI 14377 (M. Ya. Brovman.)
The state of stress in the strand in continuous billet caster moulds.
[Stal', 1976, (2), 124-129] (R)
- BISI 14406 (M. Folty, and V. Jenik.)
Increased productivity of the cast house by means of direct pouring of free-cutting steel.
[Hutnik, 1975, (10), 374-378] (C)
- BISI 14443 (J. Polencsik.)
Analysis of the production conditions of a continuous steel foundry in Ozdi Kohaszati.
[Bany es Koh. Lapok (Kohaszat) 1975, 108, (11), 486-493] (H)
- BISI 14496 (E. Kubik, et al.)
Steelmaking moulds from nodular cast iron in the trinec iron and steel works (TZ VRSR)
[Hutnicke Listy 1976 (1) 20-26] (C)
- BISI 14572 (K. -H. Bauer.)
Influence of deoxidation in the castability of steel.
[METALS SOC. -IRSID Continuous Casting Conf., Biarritz, 30 May-2 June 1976] (G)

- BISI 14573 (J. Leclerc, and W. Pollak)
Correlation between defects of semi-finished products and final quality : operational precautions.
[RSID-Metals Soc. Continuous Casting Conf., Biarritz, 30 May–2 June 1976] (F)
- BISI 14574 (E. Elsner, et al.)
Slag and oxide inclusions in the continuous casting of steel.
[Metals Soc.–RSID Continuous Casting Conf., Biarritz, 30th May–2 June 1976] (G)
- BISI 14575 (K. Fischer, et al.)
Industrial experiences with the production of continuously cast slab.
[RSID-Metals Soc. Continuous Casting Conf., Biarritz, 30th May–June 1976] (G)
- BISI 14577 (J. Backer, and P. Gosselin.)
Some aspects of the production of continuously cast billets in special steels.
[RSID-Metals Soc. Continuous Casting Conf., Biarritz, 30 May–2 June 1976] (F)
- BISI 14578 (P. Benoit, and P. Pithots)
Cooling slabs or billets with water atomised in a jet of compressed air.
[RSID-Metals Soc. Continuous Casting Conf., Biarritz, 30th May–2nd June 1976] (F)
- BISI 14579 (J. Pietryka, and B. Lacoste)
Recent development in TH design of continuous slab casting machines
[Metals Soc. –RSID Continuous Casting Conf. Biarritz, 30th May–2nd. June, 1976] (F)
- BISI 14582 (H. Wagner and E. Macherauch)
The quantitative assessment of moulding material coatings
[Giesserei, 1975, 62, (21) 541–542]
- BISI 14200 (I. Riposan)
On the definition and classification of vermicular graphite separations
[Metalurgia, 1975, (3), 139–141] (Ru)
- BISI 14581 (M. Hecht and P. Cloarec)
Inoculation of flake graphite irons and tendency to pipe with regard to phosphoric irons for thin castings.
[Fonderie, Jan 1976 (352) 3–19] (F)
- BISI 14372 (K. N. Minyailovskii et al.)
Effects of alloying and the type of matrix on the resistance of vanadium iron to abrasion.
[Izv. VUZ. Chern. Met., 1976 (2) 140–142] (R)
- Heat Treatment**
- BISI 14212 (V. M. Klimenko, et al.)
Changes in the mechanical properties of chromium manganese molybdenum steel during thermo mechanic treatment.
[Stal', 1975, (12), 1122–1124] (R)
- BISI 14462 (V. B. Umanskii, and A. A. Obernikhina)
Influence of heat treatment on the properties of 6KhV2S steel.
[Stal, 1976, (3), 265–266] (R)
- BISI 14484 (E. C. Aizentson and L. V. Spivak)
Influence of annealing of deformed ARMCO iron on snoek peak height.
[Izv. VUZ Chern. Met. 1976, (3), 156–158] (R)
- BISI 14705 (J. Mansion)
Properties and choice of quenching oils
[Traitement Thermique 1976 (104) 59–66] (F)
- Heating, Heating Furnaces and Electric Heating**
- BISI 14300 (U. Meyer and G. Woelk)
Technical fundamentals for the development of a mathematical model of the tight coil bell-type furnace.
[Arch. Eisenhuttenwesen, 1974, 45, (3), 207–212] (G)
- BISI 14159 (I. N. El'Ke, and E. I. Tulainov.)
Optimum control of supply of metal to soaking pits. [Izvest. VUZ. Chern. Met.; 1975, (11), 182–186] (R)
- BISI 14464 (V. I. Larin, et al.)
Effect of riders on the resistance to the drawing of slabs through continuous furnaces.
[Stal', 1976, (3) 277–278] (R)
- BISI 14516 (F. Sulcz, et al.)
A theoretical study of the uniform heating of steel ingots.
[Bany, es Koh Lapok (Kohaszat) 1976, 109 (1), 11–19] (H)
- BISI 14563 (H. Paulitsch, et al.)
Effect of design and operation on heating
[Stahl u. Eisen, 1974, 94, (1) 1–7] (G)
- Fuel, Combustion and Refractories**
- BISI 13380 (M. Kessler)
Evaluation of coal charges for production of metallurgical coke.
[Hutnicke listy, 1974, (10), 689–692] (C)
- BISI 14616 (Hubert and Thuillier)
Refractory alloys for components of reforming Furnaces.
[Infs. Chim., May 1972, (108), 95–103] (F)
- Welding and Joining**
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Possibilities of application of electron beam welding.
[Zis-Mitt, 1973, (1) 79–88] (G)
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- Ores and Minerals Handling and Beneficiation**
- BISI 14130 (Yu. A. Berman, and V. M. Myatlin)
Influence of extent of enrichment of magnetite concentrates and the firing regime on the metallurgical properties.
[Stal', 1975, (11), 974–977] (R)
- BISI 14350 (G. Flemming, and P. Hofmann)
Uses of a process control computer in a new ore preparation plant.
[Stahl Eisen., 1975, 95, (15), 677–683] (G)
- BISI 14465 (F. F. Kolesanov, et al.)
Ignition temperature of solid fuel in ore sintering.
[Izv. VUZ Chern. Met. 1976 (3), 16–19] (R)
- BISI 14489 (A. Poos)
Contribution to the automatic control of a sintering strand.
[Stahl Eisen 1975, 95, (15), 683–689] (G)
- BISI 14541 (I. A. Kopyrin, et al.)
Influence of firing regime on the strength of

unfluxed pellets with return-fines additions.
[Izv. VUZ Chern. Met., 1976, (4), 24-28] (R)

Ironmaking and Ferro-Alloys

BISI 14202 (L. Crovella, et al.)

Investigation of some coke properties affecting blast furnace operations.

[Boll. Tech. Finsider., 1974, (329), 532-540] (I)

BISI 14375 (V. S. Shvydkii, et al.)

Approach of 'stepwise' heating regimes of blast-furnace hot-blast stoves to the optimum.

[Izv. VUZ Chern. Met., 1976, (2), 154-157] (R)

BISI 14376 (M. L. Lavrent'ev)

Calculation of the effectiveness of changing the main blast-furnace process factors.

[Stal', 1976 (2) 103-108] (R)

BISI 14393 (T. Podhorsky, and M. Filip-Bujnacek)

Works results of the first blast furnace in the East Slovak iron and steel works, Kosice.

[Hutnik 1975, (11), 403-408] (C)

BISI 14453 (A. S. Plyashkevich, et al.)

Heat-technological analysis of the optimum relation between the lining and cooling system parameter.

BISI 14517 (O. Farkas)

[Stal', 1976, (3), 209-213] (R)

Chemical utilization of hydrogen in blast furnaces [Bany. es. Koh. Lapok (Kohaszat), 1976, 109, (1), 20-22] (H)

BISI 14378 (V. G. Mizin, et al.)

Ferrosilicon melted using coke and chain-type fire grates.

[Stal', 1976, (2), 139-141] (R)

BISI 14457 (V. M. Zhuravlev et al.)

Improvement in nitrided ferrochrome production technology.

[Stal', 1976 (3) 232-234] (R)

BISI 14535 (N. A. Chirkov et al.)

Meterials and heat balances of ferro-boron heat

[Stal', 1976 (4) 325-327] (R)

Steelmaking

BISI 14132 (A. S. Freidensberg, et al.)

Repairing the slag band of steelmaking furnace walls.

[Stal', 1975, (11) 996-997] (R)

BISI 14304 (R. I. Klepatskii, and E. N. Belyaev)

Some technical solutions to the problems of replacing open hearth steelmaking furnaces.

[Stal', 1976, (1), pp. 22-26] (R)

BISI 14315 (V. F. Gorelov, et al.)

Investigation into the instability of a basic oxygen converter bath with the use of the flame parameters.

[Izv. VUZ Chern. Met., 1976, (1), 50-54] (R)

BISI 14468 (A. F. Kuznetsov, et al.)

The phase state of metal shot in basic oxygen furnace slags during the blow

[Izv. VUZ Chern. Met. 1976 (3), 41-44] (R)

BISI 14483 (E. E. Merker, et al.)

The E. M. F. method used for controlling the position of oxygen lances in open-hearth furnace baths.

[Izv. VUZ Chern. Met. 1976 (3) 182-184] (R)

Extraction and Refining

BISI 14292 (M. Debras and M Gard)

The ASV process for the vacuum refining of stainless steels.

[Rev. Met., 1975 (6) 507-510] (F)

BISI 14056 (T. Myslivec, et al.)

Viscosity measurements on melted oxides. [Sbornik ved praci VSB Ostrava, 1974, (2), 57-67] (C)

BISI 14057 (T. Myslivec)

Electric conductivity of melted oxides.

[Sb. Ved praci VSB Ostrava, 1974, (2), 39-55] (C)

BISI 14105 (S. M. Belokurov, et al.)

The alloying of steel with niobium (Part 1)

[Izv. VUZ Chern. Met., 1975, (10), 56-60] (R)

BISI 14456 (G. B. Shirer, et al.)

Melting ball bearing steel in 200 t arc furnaces with treatment in the ladle by synthetic slag [Stal', 1976 (3) 227-229] (R)

BISI 14522 (L. Szoke)

The role of the interface in the melting of steel [Bany. es. Koh. Lapok (Kohaszat) 1975, 109, (1), 1-7] (H)

BISI 14534 (Yu. M. Bochkov, et al.)

Melting Kh18N10T steel with a low level of contamination by nitride inclusions in a vacuum induction furnace.

[Stal', 1976, (4), 320-323] (R)

BISI 14584 (P. Kozakevitch, et al.)

The interfacial pig iron slag tension and the desulphurizing mechanism.

[Rev. Met., 1955, 52, (2), 161-172] (F)

BISI 14205 (S. V. Nesterenko, and V. M. Khomenko)

Study of physical properties of the CaO-MgO-SiO₂ system with 10% alumina and 2% sulphur. [Stal', 1975, (12), 1077-1079] (R)

BISI 14360 (V. G. Kashirskii, et al.)

Determination of the reduction time of iron ore with natural-gas-reforming products.

[Izv. VUZ Chern. Met., 1976, (2), 49-52] (R)

Engineering

BISI 14342 (J. Astier)

Outlook for the use of nuclear energy in iron and steelmaking

[Rev. Latinoamer. Sid., 1975, (184), 46-54] (Sp)

BISI 14624 (E. Jasch)

The use of cables networks in the construction of cooling towers.

[“Bauingenieur” 1974, (49), 11, 421-429] (G)

BISI 14515 (H. Glaser)

Design of plain bearings in internal combustion engines taking into account the maximum oil film pressure.

[Maschinenbautechnik, 1975, 24, (3), 117-121] (G)

BISI 14214 (P. G. Lutsenko and M. G. Zhuba)

Filtration of very turbid surface waters for technical purposes through a two-bed floating packing

[Stal', 1975, (12), 1143-1145] (R)