

## 参 考 文 献

## 国外最近刊行誌参考記事目次

- Blast Furnace and Steel Plant 51** (1963) No. 12  
 Methods of evaluating coke for use in the blast furnace. K. K. HUMPHREYS. p. 1065  
 Blast furnace operation with natural gas and oxygen injection at Youngstown Sheet and Tube's Campbell Works.  
 J. A. WHITING et alii. p. 1070  
 Initial operation of Sharon Steel Corporation's Stora-Kaldo oxygen steelmaking facility.  
 R. C. OSWALD et alius. p. 1076  
 Lone Star Steel Company blows out blast furnace with slag.  
 S. G. ANDERSON. p. 1079  
 Factors affecting quality in open coil annealing.  
 W. H. MINCK. p. 1085  
 Great Lakes Steel Unveils 80-inch mill and basic oxygen steel plant. p. 1091
- Blast Furnace and Steel Plant 52** (1964) No. 1  
 Why all the renewed interest in the continuous casting of steels? W. C. MCCONAGHEY. p. 23  
 Armco Steel's modernization program at Ashland Works. p. 28  
 Problem solving and opportunities in steel.  
 W. J. STEPHENS. p. 32  
 Jones and Laughling starts up its largest blast furnace at Cleveland Works. p. 37  
 Report on world competition in steel, suggests nine-points for government in tariff negotiations. p. 39  
 The threat is now a fact.  
 S. S. CORT. p. 40  
 Significant factors in the selection of large A C Motors. R. J. CONRAD. p. 44  
 Carpenter Steel Company starts large vacuum induction furnace. p. 47  
 Smoke control at the coke and coal chemical plant of Kaiser Steel Corporation.  
 C. F. BENNINGHOFF. p. 49
- Blast Furnace and Steel Plant 52** (1964) No. 2  
 Sharon Steel Corporation's Roemer Works.  
 E. C. LASSEN. p. 131  
 Current Status of the Steel Industry.  
 G. A. STINSON. p. 147  
 Automatic control of blast furnace blowers at Colorado Fuel and Iron Corporation.  
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 Study of abrasion-resistant steelplant castables.  
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 Latrobe Steel Company operating 60,000 Lb. vacuum induction furnace. p. 163
- Blast Furnace and Steel Plant 52** (1964) No. 3  
 Petrographic evaluation of coking coals.  
 T. T. GIN et alii. p. 237  
 On recent operation of No. 1 blast furnace.  
 C. SAKAI. p. 244  
 The development of an improved forged hardened-steel roll composition.  
 G. F. MELLOY. p. 250  
 The future of continuous casting.  
 F. L. BYROM. p. 256
- Stahl und Eisen 84** (1964) Heft 1  
 Intellectual productivity, its motive force and sphere of influence in the past and in the present era. H. WENK. p. 1  
 The calculation of oxygen processing reactions of iron ores and agglomerates.  
 P. DICKENS et alii. p. 9  
 Technical measuring research on rolling mill drives. W. KÖLLER. p. 15  
 Development of automated operation systems with the aid of process computers.  
 H. J. MARX. p. 24  
 Comparative investigations on the behaviour of anti-corrosive paint coats on steel plates in the short-time corrosion test apparatus of W. Kesternich and in the atmospheric test.  
 G. VON DER DUNK et alii. p. 31
- Stahl und Eisen 84** (1964) Heft 2  
 Investigations on scaffolding in the blast furnace and on the removal of the accretions by blasting. J. WILLEMS et alii. p. 57  
 On a method of calculating the desulphurization of steel made according to different processes. M. WAHLSTER. p. 63  
 Experiences made in the operation of an electrically heated pit furnace.  
 H. WEINECK. p. 74  
 Investigations on the performance of hot-dip galvanized steels and steel structures.  
 H. WIEGAND et alius. p. 82
- Stahl und Eisen 84** (1964) Heft 3  
 Contribution to the metallurgy of top-blowing oxygen with pulverized lime on pig iron rich in phosphorus. W. A. FISCHER et alii. p. 117  
 Load spectras as basis for dimensioning overhead travelling cranes in iron and steel works.  
 W. SCHWEER. p. 138  
 Determination of the play of moulded synthetic resin bearings with due consideration of the deformability of the material.

- E. WENGER. p. 153  
 St. Barbara-Patron saint of the metallurgists?  
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**Stahl und Eisen** 84 (1964) Heft 4  
 The economy of the "Kaldo" process.  
 F. JOHANSSON et alius. p. 181  
 Release of stripper cranes by ingot-mould travelling cranes. H. FLESSNER. p. 190  
 Fully automatic numerical roll turning.  
 H. PONNATH. p. 193  
 Natural ventilation in works buildings with and without heating. M. HANSEN p. 201  
**Archiv für das Eisenhüttenwesen** 35(1964)Heft 1  
 Rate of oxygen removal in the reduction of iron ores and sinters with a gas mixture of CO, CO<sub>2</sub>, H and N. E. SCHÜRMAN et alii. p. 1  
 Theoretical significance of the results of reduction tests on iron ores and sinters with CO and CO<sub>2</sub> containing gas mixtures.  
 K. HEDDEN et alius. p. 9  
 Development, establishment and calculation of a mathematical blast furnace model. Part II  
 R. WARTMANN. p. 15  
 Investigations into the crystallization of vitreous solidified blast furnace slags with various granulation temperatures.  
 K. H. KARSCH et alius. p. 21  
 Contribution to the similarity theory of the technology of deformation. O. PAWELSKI p. 27  
 Physical and chemical characteristics of crystallized calcium oxide.  
 W. A. FISCHER et alius p. 37  
 Sources of error in determination of oxygen content of Al-killed steel samples.  
 T. KRAUS et alii. p. 39  
 The ageing behaviour of pure iron containing 0.001 to 0.144% O and 0.001 to 0.028% C.  
 A. HOFFMANN et alius. p. 45  
 Investigations into recrystallization in non-alloy mild steels with particular regard to the effect of aluminium nitride.  
 H. BORCHERS et alii. p. 57  
 The "up-hill" diffusion of carbon in single and poly-phase Fe-C alloys.  
 H. WEVER et alius. p. 65  
**Archiv für das Eisenhüttenwesen** 35(1964)Heft 2  
 Fundamental investigations into deformation under highest strain rates (explosive deformation). H. HÄNSEL. p. 85  
 Pressure loss in mixed size charges of spheroid particles. R. JESCHAR. p. 91  
 Comparison of various methods to determine the hydrogen content of liquid steel.  
 H. ZITTER et alius. p. 109  
 Influence of the form of nonmetallic inclusions on the mechanical properties of plates.  
 H. A. VOGELS et alius. p. 115  
 Dependence of notch impact strength of sample widths in austenitic steels.  
 W. SCHMIDT. p. 129  
 X-ray determination of internal strain in steel after plastic tensile deformation.  
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 Investigations on the precipitation of carbon from  $\alpha$ -iron with low carbon content.  
 W. BIERWIRTH et alii. p. 141  
 Experiments on etching silicon segregations in Fe-C alloys. H. LÜDERING. p. 153  
 Developments, design and calculation of a mathematical model of the blast furnace. Part III. R. WARTMANN. p. 159

## 国内最近刊行誌参考記事目次

## —学協会誌—

- 鑄物** 36 (1964) 4  
 日本鑄物協会第66回講演大会講演概要  
**日本金属学会誌** 28 (1964) 2  
 溶解純鉄の水素の溶解度. 郡司好喜, 他...59  
 溶解純鉄の水素の溶解度におよぼす各種添加元素の影響. 郡同好喜, 他...64  
 低炭素鋼薄板を無孔渗珪処理後, 抛散加熱処理した場合の軟磁性の向上について. 三谷裕康, 他...68  
 鍛造焼入鋼の機械的性質について. 前田久義, 他...91  
**材料** 13 (1963) 127  
 階段漸増荷重法による硬鋼線の曲げ疲労限度の迅速測定. 上田太郎, 他...264  
**溶接学会誌** 33 (1964) 4  
 日本における原子力発電所の建設に伴う溶接の諸問題. 橋本宇一, 他...357  
 ボンド・フラックスによるサブマージドアーク溶接の研究 (4報). 一海俊景, 他...364  
**塑性と加工** 5 (1964) 38  
 板材の熱間圧延加工に関する研究. 柳本左門, 他...195  
 ぜい性材料のせん断加工(振動式上下抜き加工). 北条英典, 他...203  
 冷間鍛造型の寿命と製品精度について(第1報). 石原康正, 他...210  
**熱管理** 16 (1964) 3  
 平炉ダストと平炉滓によるセメントについて. 岡実, 他...10  
 —会社刊行誌—  
**日本製鋼技報** 16 (1964)  
 Welcon-2H 鋼とその応用について.  
 宮野樺太男...1695  
 Welcon-2H Super-2H Ultra 鋼板について.  
 宮野樺太男, 他...1705  
 溶接構造用 Welcon-2H-100 鋼板について.  
 池見恒夫, 他...1711