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攀枝花共生矿综合利用

国外参考文献题录专辑

1967—1980

上

四川省科学技术情报研究所
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前 言

根据中央关于攀枝花共生矿综合利用问题的指示精神，我们两单位通过协作，从1980年下半年以来在一系列情报调研和文献检索工作的基础上开展了“攀枝花共生矿综合利用国外参考文献”的调研工作。

首先从《美国化学文摘》(1967—1980)检索到有关文献题录6600多条，制成卡片存四川省科技情报所(成都)提供读者检索利用。根据上述题录卡片，在国内复制2600多篇文献，分类编目纳入攀钢钢研所馆藏。并在此基础上于1982年秋出版《攀枝花共生矿综合利用国外参考文献题录》(第一辑)，寄发国内有关科研、生产单位参考使用。

由于工作缺乏经验和当时出版条件受到限制，在上述《题录》中除专利文献外，其他多数文献未能列出文献源。鉴于“攀枝花共生矿综合利用研究”已再次列为国家“六、五”计划38个科技攻关项目中“最重要的项目”之一，为了更有效地发挥“综合利用参考文献”在科研和技术攻关中的参谋作用，同时做好文献情报的基础工作，我们于八二年底决定在上述已有成果的基础上，再行出版这本反映全部6600多条题录卡片的大型文献题录，提供详细的文献著录项目。(包括《美国化学文摘》的卷、期、文摘号和每篇文献的来源、出处)

关于本《题录》的分类、排列，我们根据已经检索、抄写出的题录卡片在专业内容和条目数量上的具体情况，参照《美国化学文摘》的目录编排和《中国图书资料分类法》，综合进行分类编排，共分十一大类、七十八小类。每个小类大体上按《美国化学文摘》的卷号、期号顺序排列。《题录》在排印中，发现少数卡片是重复抄写了，我们剔除了这些条目。因而《题录》的编号出现有中断情况。

为了连续系统地继续开发有关钒钛磁铁矿综合利用的国外文献资源，我们将在这次回溯检十四年(1967—1980)《化学文摘》的基础上，今后继续进行定题检索，不断补充近期文献并出版《题录》续辑，把“洋为中用”的方针更有效地贯彻下去。

最后，我们希望读者对本《题录》专辑存在的缺点和错误提出批评、指正，帮助改进文献情报工作，以期更有效地为“综合利用”的科研、生产服务。

编 者

一九八三年六月

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(六) 金属与合金类

(39) 黑色金属与合金

CA, V. 68, No. 6 23871c 3734

在100吨氧气转炉中吹炼用卡奇卡拉矿石冶炼的含钒铸铁

Blowing of vanadium-containing cast irons from Kachkanar ores in 100-ton oxygen converters—А. И. Пастухов, et al., Тр. Урал. Науч.-Исслед. Инст. Черн. Мет. 5, 117-30 (1966) (Russ)

CA, V. 68, No. 6 24082h 3735

在氧气转炉吹炼含钒铸铁期间发生的氧化过程

Oxidative processes taking place during blowing of vanadium cast irons in an oxygen converter—Л. А. Смирнов, et al., Тр. Урал. Науч.-Исслед. Инст. Черн. Мет. 5, 131-47 (1966) (Russ)

CA, V. 66, No. 24 111191v 3736

黑色冶金

Ferrous metallurgy—L. C. Pasztor, et al., Anal. Chem. 39(5), 92R-102R (1967) (Eng)

CA, V. 69, No. 20 79379m 3737

含氯化钛矿浆的重新处理

Reprocessing of titanium chloride-containing pulps—Рябов, В. А., U.S.S.R. 219, 206

CA, V. 69, No. 4 12218q 3738

用Kursk磁性异常矿石生产的烧结物熔炼铸

造生铁过程中的炉渣体系和脱硫条件

Slag system and desulfurization conditions during the smelting of foundry pig iron from a sinter from Kursk magnetic anomaly ores—Старшинов, В. Н., et al., Шлаковый Режим Доменных Печей. Челябинск. Науч.-Исслед. Инст. Мет. 1967, 60-70 (Russ)

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Pyrometallurgy—Bowles, Paul J., Chem. Process Eng. 1969, 50(2), 81-4 (Eng)

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Reactions of high-chromium iron melts with blast furnace slags in a graphite crucible—Oelson, Willy, Arch. Eisenhuettenw., 1969, 40(9), 743-50 (Ger)

CA, V. 73, No. 18 90273a 3741

从高钒铁中除去钒

Removing vanadium from irons with high vanadium contents—Михаликов, С. В., et al., Тр. Инст. Мет. Свердловск 1969, (17), 79-84 (Russ)

CA, V. 74, No. 26 144989 3742

铁钛熔体中之氧的活度和浓度

Activity and concentration of oxygen in iron titanium melts—Явойский, В. И., et al., Изв. Акад. Наук. СССР Метал. 1971, (2), 50-58 (Russ)

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 硅铬铁精炼
 Ferrosilicochromium refining—Занко, В. П., et al.; U.S.S.R. 325,266

CA,V.76,No.20 116400d **3744**
 使用全氟化物低导电性炉渣的电渣重熔
 Electroslag remelting with all-fluoride lowconductivity slag—Bacon, G., et al.; Met. Trans 1972 3(3), 631-5 (Eng)

CA,V.77,No.12 78191 **3745**
 铁水中钛的脱氧反应
 Titanium deoxidation reactions in liquid iron—Smellie, A.M., et al.; Can. Met. Quart. 1972, 11(2), 351-61 (Eng)

CA,V.77,No.18 117150 **3746**
 含钒生铁除钒。(用氯气通过铁水回收钒)
 Removing vanadium from vanadium-bearing pig iron—Altekar, Vishwanath A., et al.; Indian 126062 72.4. 22, 6pp.

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 合金元素对铸铁组织结构影响的热力学分析
 Thermodynamic analysis of some effects of alloying elements on cast-iron structure formation—Сильман, Г.И., et al.; Диаграммы Состояния Метал Сист 1971, 238-42 (Russ)

CA,V.77,No.10 65069 **3748**
 钛、铝和其它添加剂对钢锭之凝固及其构造的影响
 Effects of titanium, aluminum and other additions on the solidification and structure of steel ingots—Gupta, K.N.; NML. Tech. J. 1971, 13(1), 14-18 (Eng)

CA,V.77,No.20 129578 **3749**
 缓慢硬化的钢(含 Cu、Co、Ni、Ti……)

Slowly hardening steels—Kusaka, Kunio, 特许公报 71, 19, 424

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 硅钒铁
 Ferrosilicovanadium—Гусаров, В.Н., et al.; U.S.S.R. 329, 218

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 Monitoring the completeness of vanadium oxidation—Торычканов, В.И., U.S.S.R, 284, 792

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 粉末冶金铁基材料的热处理与涂复
 Heat treatment and coating of powder metallurgical iron-base materials—Эрмаков, С.С.; et al.; Вестн. Машиностр. 1973 53(1) 60-3 (Russ)

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 Steel—Потак, Я.М., U.S.S.R. 378,503

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 钒对热处理的14G2〔锰〕型钢之临界点和组织结构的影响
 Effect of vanadium on critical points and structure of heat-treated 14G2 [manganese] -type Steel—Анбман, Н. В., et al.; Тр., Цент. Науч.-Исслед. Инст. Строит. Констр. 1970. No.15. 58-36 (Russ)

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 Some factors affecting the production of ferrotitanium from black sand ilmenite by the aluminothermic process—Hussein,

M.K., Egypt. J. Chem. 1972, 15(2), 145-56 (Eng)

CA, V.79, No.22 128410 3758
含钒、钛的高强度球磨机铁球
High-strength ball-mill balls—Tanaka, Goro, et al., 特许公报 73 07, 172

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Use of electrically generated gas plasma in process metallurgy. II. Remelting of titanium sponge and iron sponge in a plasma furnace to produce ingots—Chandra, U., Tech. Mitt. Krupp. 1973, 31(1), 1-8 (Fr)

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Precipitation of vanadium carbide in ferrite—Batte, A.D., J. Iron. Steel. Inst. London 1973, 211(Pt.4), 284-9 (Eng)

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Effect of small additives of titanium, niobium, vanadium and molybdenum on the hydrogen resistance of steel—Арчаков,

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Effect of titanium on the properties of heat-resistant chromium-manganese steel—Нижельский, П.Е., Изв. Высш. Учеб. Завед. Черн. Мет. 1973, (6), 104-5 (Russ)

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Complex modifiers for producing spheroidal or lamellar graphite alloy iron—Жуков, А.А., Литейное Производ. 1973, (6), 17-19 (Russ)

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Diffusion of various elements in molten carbon-saturated iron—Ono, Y., Prop. Liquid Metals, Proc. Int. Conf. 2nd. 1972 (Pub 1973) 543-7 (Eng)

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Low-cycle fatigue of 0.5% chromium-0.5% molybdenum-0.25% vanadium steel—Vokuncun, V., et al., Therm. Stresses Therm. Fatigue, Proc. Int. Conf. 1969 (Pub. 1971), 124-7 (Eng)

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Abrasion-resistant high-tensile cast iron—Nakayama, Koji, 公开特许公报 73 49, 616; 5pp

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Mechanism of formation of the V segregation in steel ingots—Suzuki, Koreaki, et al.; 铁と钢 1973, 59(3), 431-45 (Japan)

CA, V.79, No.24 139007 **3768**

用于铸造生铁的合金化材料

alloying material for cast iron—Шушлебин, Б.А., et al.; U.S.S.R 382,736

CA, V.80, No.2 6022g **3769**

用氧气转炉将低氮、含钛生铁冶炼成钢

Converting low-nitrogen, titanium-containing pig iron to steel in the oxygen converter—Hapstert, H.P., et al.; Cent. Doc. Siderurg., Circ. Inform. Tech. 1973, 30(5), 1135-49 (Fr)

CA, V.81, No.26 174144n **3770**

生铁脱氮用试剂

Agent for removal of nitrogen from pig iron—Naba, Kazuo, et al.; 特许公报 74, 14, 445

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The de Haas-Van Alphen effect in the intermetallic compound titanium-iron-(TiFe)—Kamm, G.N.; Rep. NRL(Nav. Res. Lab.) Progr. 1973, (Oct.) 28-9 (Eng)

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Ladle-treatment of vanadium pig iron—Фофанов, А.А., et al.; Тр. Урал. Научно-Исслед. Инст Черн. Мет. 1973, No.18, 12-16 (Russ)

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碱类对高炉作业的影响

Effect of alkalis on blast-furnace operation—Stephenson, R.L.; Alkalis Blast Furn. Proc. Symp. 1973, (Pub. 1973) No.3, 7pp. (Eng)

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Jone and Laughlin experience with blast furnace alkali problems—Wakelin, D.H.; Alkalis Blast Furn., Proc. Symp. 1973, (Pub. 1973), No. 5c, 4pp. (Eng)

CA, V.82, No.24 159046j **3776**

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Treatment of sulfurous products containing metals—Blazy, Pierre; Fr. Demande 2, 225, 528; 10pp

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金属的萃取

Extraction of metals—Каримов, Е.В., et al.; U.S.S.R. 451,757

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炼钢

Steelmaking—Иван, Б.В., et al.; U.S. S.R. 436,096

CA, V.83, No.26 208742q **3779**

制取相对纯的金属及含有这种金属的产品

Obtaining relatively pure metal and product containing it—Burlingame, Richard D.; Ger. Offen. 2,451,775; 30pp

CA,V.83,No.4 31530r **3780**

IVB族(钛、锆),VB(钒、铌、钽)和稀土元素在钢中的物理化学

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始终如一的生铁质量

Consistent iron quality—Dartrell, J.; Ironmaking Steelmaking 1975, 2(2), 95-101 (Eng)

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低合金钢中混合的钒—钛碳化物的原子—探针场致—离子显微术

Atom-probe field-ion microscopy of mixed vanadium titanium carbides in a lowalloy steel—Dunlop, G.L., et al.; Met. Sci 1976, 9(8), 370-4 (Eng)

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含钒生铁之喷吹精炼的发展

Development of jet refining of vanadium-containing pig iron—Мыросымов, А.Ф., et al.; Нов. Аглодоменном Производ. 1973, 122-31 (Russ)

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Production of steel 110G13L using exothermal briquets—Веселовский, А.Н., et al.; Литейное Производ. 1975, (10), 39-40 (Russ)

CA,V.84,No.6 33949d **3785**

生铁中的硅含量与高炉操作中某些参数间的

关系

Relation of the content of silicon in pig iron to some parameters of the blast-furnace process. Mathematical technological principles—Илиес, Zh. et al.; Metalurgiya (Sofia) 1975, 20(4), 24-7 (Bulg)

CA,V.85,No.10 66584e **3786**

在铁水包或固定式炉里精炼铁水(铁水碳成分的损失不大于0.5%)

Refining molten pig iron in a ladle or stationary furnace without simultaneously losing more than 0.5% carbon from the iron—Grip, C.E.; Swed. 376, 020 8pp.

CA,V.86,No.26 117939s **3787**

铁砂矿在流化床中的氢还原

Hydrogen reduction of iron sand ores in a fluidized bed—Mamoru Onoda, et al.; 东北大学选矿制炼研究所汇报 159-70 (1965) (Japan)

CA,V.86,No.22 P159356t **3788**

从脱硫铁水的炉渣里除硫

Removal of sulfur from slag from desulfurization molten pig iron—Komai, Tadanobu, et al.; 公开特许公报 76 142, 413; 3pp

CA,V.86,No.12 P76452v **3789**

用于冶炼钒铁的含钒原料的处理

Treatment of a vanadium-containing raw material used for smelting of ferrovanadium—Мазалецкий, Г.Д., et al.; U.S.S.R 539,978

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