



Chinese
Journal of Inorganic
Analytical Chemistry

无机分析化学

Cd Tl Pb Hg As

Cd Tl Pb Hg As

Cd Tl Pb Hg As

Cd Tl Pb Hg As

主管
中国有色金属工业协会 3 主办
北京矿冶科技集团有限公司

氢 1.0079	II A																III A	IV A	V A	VIA	VII A	4.0026									
Li 6.941	4 Be 9.0122																	5 B 10.811	6 C 12.011	7 N 14.007	8 O 15.999	9 F 18.998	10 Ne 20.17								
Na 22.9898	12 Mg 24.305	III B	IV B	V B	VIB	VII B	VIII				I B	II B	13 Al 26.982	14 Si 28.085	15 P 30.974	16 S 32.06	17 Cl 35.453	18 Ar 39.94													
K 39.098	20 Ca 40.08	21 Sc 44.956	22 Ti 47.9	23 V 50.9415	24 Cr 51.996	25 Mn 54.938	26 Fe 55.84	27 Co 58.9332	28 Ni 58.69	29 Cu 63.54	30 Zn 65.38	31 Ga 69.72	32 Ge 72.59	33 As 74.9216	34 Se 78.9	35 Br 79.904	36 Kr 83.8	2 Vol.10 2020													
Rb 85.467	38 Sr 87.62	39 Y 88.906	40 Zr 91.22	41 Nb 92.9064	42 Mo 95.94	43 Tc 99	44 Ru 101.074	45 Rh 102.906	46 Pd 106.42	47 Ag 107.868	48 Cd 112.41	49 In 114.82	50 Sn 118.6	51 Sb 121.7	52 Te 127.6	53 I 126.905	54 Xe 131.3														
Cs 132.905	56 Ba 137.33	57-71 La-Lu 镧系	72 Hf 178.4	73 Ta 180.947	74 W 183.8	75 Re 186.207	76 Os 190.2	77 Ir 192.2	78 Pt 195.08	79 Au 196.967	80 Hg 200.5	81 Tl 204.3	82 Pb 207.2	83 Bi 208.98	84 Po (209)	85 At (210)	86 Rn (222)														
Fr (223)	88 Ra (226)	89 Ac (227)	90 Th (232.0377)	91 Pa (231.03688)	92 U (238.02891)	93 Np (237.048173)	94 Pu (244)	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (251)	99 Es (254)	100 Fm (257)	101 Md (258)	102 No (259)	103 Lr (260)	104 Rf (261)		105 Db (262)	106 Sg (266)	107 Bh (264)	108 Hs (269)	109 Mt (268)	110 Ds (271)	111 Rg (272)	112 Uub (285)	113 Uut (284)	114 Uuq (289)	115 Uup (291)	116 Uub (292)	117 Uus (293)

ISSN 2095-1035



目次

采样与混样(专栏)

选矿产品矿物自动分析的光片制备 肖仪武 叶小璐 武若晨 李 磊 方明山(1)

有毒与有害物质(专栏)

电感耦合等离子体原子发射光谱(ICP-AES)法测定铁矿石中磷

..... 王小强 梁 倩 余文丽 赵亚男 任金鑫(7)

火焰原子吸收光谱法测定镍基高温合金中的镉 吕 婷 郭 颖(11)

硫酸铅分离-EDTA 滴定法测定铜闪速冶炼烟尘中的铅 李先和 万 双(15)

评论与进展

在线分析技术在中国的发展 袁司夷 朱 琳 韩聪美 李华昌(20)

资源与环境

青藏高原雪冰样品中低含量水溶金属离子分析方法对比研究

..... 高少鹏 邬光剑 徐柏青 于正良 刘晓明 石燕云(28)

高压覆膜制样-X 射线荧光光谱法测定多金属矿中的多种元素

..... 李小莉 薄 玮 徐进力 潘宴山 张 勤(34)

直接滴加液体缓冲剂 CCD-I 型交流电弧直读发射光谱法测定土壤中银锡..... 谭龙奇(39)

一体化碰撞反应(ICRC)-电感耦合等离子体质谱(ICP-MS)法测定地质样品中痕量稀土元素

..... 巩海娟 王 玉 韩 健 李 琳 王亚楠(42)

王水溶样-电感耦合等离子体质谱(ICP-MS)法测定地质样品中的金..... 马景治 李 策 张明杰 熊玉祥(48)

电感耦合等离子体原子发射光谱(ICP-AES)法测定粉煤灰中的铝 韩 晓(52)

冶金与材料

火焰原子吸收光谱法测定电解铝用冰晶石中锂 吴豫强 石 磊 张莹莹(55)

微波消解-电感耦合等离子体原子发射光谱(ICP-AES)法测定镍基耐蚀合金中镍

..... 常守勤 冯秀梅 陈 君 陈连芳 徐玉松 鞠建东(59)

火花放电原子发射光谱法测定钛及钛合金中主要元素 王晓旋 张亚鹏 寇德祥 卜兆杰 黄健强(63)

全谱直流电弧发射光谱法同时测定钼样品中 17 种杂质元素 吴冬梅 赵燕秋 付国余 曲红静(67)

食品与化工

电位滴定法测定抛光液中的三酸含量 刘美霞 杨丽萍 张 红(73)

广告

北京海光仪器公司(前插 1);中国航空工业集团公司(前插 2);岛津企业管理(中国)有限公司(封三);北矿检测技术有限公司(封底)

凡向本刊所投稿件,视为作者将该论文的复制权、发行权、信息网络传播权、翻译权、汇编权等权利转让给本刊。稿件一经刊用,付给作者的稿酬包括印刷版、光盘版和网络版等各种使用方式著作权使用费。

CHINESE JOURNAL OF INORGANIC ANALYTICAL CHEMISTRY

Vol .10 ,No .2

(Bimonthly)

April ,2020

CONTENTS

Sampling and Blending (Column)

Polished Section Sample Preparation of Mineral Processing Products for Mineral Automatic Analysis

..... XIAO Yiwu ,YE Xiaolu ,WU Ruochen ,LI Lei ,FANG Mingshan(1)

Toxic & Hazardous Substances (Column)

Determination of P in Iron Ores by Inductively Coupled Plasma Atomic Emission Spectrometry

..... WANG Xiaoliang ,LIANG Qian ,YU Wenli ,ZHAO Yanan ,REN Jinxin(7)

Determination of Cadmium in Nickel Base Superalloy by Flame Atomic Absorption Spectrometry

..... LYU Ting ,GUO Ying(11)

Determination of Lead in Copper Flash Smelting Dust by Lead Sulfate Separation-EDTA Titration

..... LI Xianhe ,WAN Shuang(15)

Review & Comment

Development of Online Analytical Technology in China

..... YUAN Siyi ,ZHU Lin ,HAN Congmei ,LI Huachang(20)

Resources & Environment

Comparison of Several Methods for Determination of Low-content Water Soluble Metal Ions in Snow and Ice in Tibetan Plateau

GAO Shaopeng ,WU Guangjian ,XU Baiqing ,YU Zhengliang ,LIU Xiaoming ,SHI Yanyun(28)

Determination of Multi-elements in Polymetallic Ore by XRF with High Pressure Pressed Pellet Covered with Polyester Film

LI Xiaoli ,BO Wei ,XU Jinli ,PAN Yanshan ,ZHANG Qin(34)

Determination of Ag and Sn in Soil by Direct Addition of Liquid Buffer CCD-I Emission Spectrometer

..... TAN Longqi(39)

Determination of Trace Rare Earth Elements in Geological Samples by Integrated Collision Reaction (iCRC)-Inductively Coupled Plasma Mass Spectrometry

..... GONG Haijuan ,WANG Yu ,HAN Jian ,LI Lin ,WANG Yanan(42)

Direct Determination of Gold in Geological Samples by Inductively Coupled Plasma Mass Spectrometry with Aqua Regia Sampling Preparation

MA Jingzhi ,LI Ce ,ZHANG Mingjie ,XIONG Yuxiang(48)

Determination of Aluminum in Fly Ash by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)

..... HAN Xiao(52)

Metallurgy & Material

Determination of Lithium in Cryolite for Electrolytic Aluminium by Flame Atomic Absorption Spectrometry

..... WU Yuqiang ,SHI Lei ,ZHANG Yingying(55)

Determination of Nickel Content in Ni-based Corrosion-resistant Alloys by Microwave Digestion-Inductively Coupled Plasma Atomic Emission spectrometry

..... CHANG Shouqin ,FENG Xiumei ,CHEN Jun ,CHEN Lianfang ,XU Yusong ,JU Jiandong(59)

Determination of Major Elements in Titanium and Titanium Alloys by Spark Discharge Atomic Emission Spectrometry

WANG Xiaoxuan ,ZHANG Yapeng ,KOU Dexiang ,BU Zhaojie ,HUANG Jianqiang(63)

Simultaneous Determination of 17 Impurity Elements in Molybdenum Sample by Full Spectrum DC Arc

Emission Spectrometry

WU Dongmei ,ZHAO Yanqiu ,FU Guoyu ,QU Hongjing(67)

Food and Chemicals

Determination of Three-acids in Polishing Solution by Potentiometric Titration

..... 万方数据..... LIU Meixia ,YANG Liping ,ZHANG Hong(73)