# 贵金属 GUIJINSHU

中国有色金属学会、昆明贵金属研究所主办・季刊・1980年8月创刊第41卷・第4期・总第162期・2020年11月出版・国内外公开发行

### 目 次

#### ◎ 研究与应用

- (01) 水热晶化法制备 RhCeZrLaNdOx 催化剂及其性能研究 (08) Ir(mpiq)2(tmd)的合成、表征及光物理性能研究……——晏彩先,晏廷玺,姜 婧,刘伟平,沈善问 (15) 用苦瓜提取液还原制备纳米银的研究………孙和远,王小菊,陈 茜,王志国,刘祝兰,王 琪 (21) ZIF-67/PVDF 杂化膜的制备及其提取钯的性能研究 (27) 含铱废料直接制备高纯铱粉的研究…………此家春,吴跃东,马 媛,童伟锋,董海刚 (31) 在 DMF 中用氯化铜氧化浸出钯的研究 ····························周永杰,张承龙,王瑞雪,马 恩,童 俊,蒋家超,白建峰,王景伟 (37) 某含银高硫铜矿的综合回收试验……敖顺福,王正奇,胡红喜,龙卫刚,王存柱,陈天敏,张德楸 (51) 氯化焙烧综合回收硫精矿中有价金属研究 ························胡杨甲,赵志强,刘慧南,刘赣华,包申旭,罗思岗,赵 杰,王国强 (61) 奈达铂在微电化学池中的电化学测定研究 (68) 顶空气相色谱法测定舒尼铂中 5 种有机溶剂残留量 ◎ 综合论述 (72) 质子交换膜燃料电池催化剂纳米铂材料研究进展…………王志达, 甘 源, 闫常峰, 刘光华 (81) 银-铜纳米线的研究和应用进展…………李耀, 樊正阳, 原禧敏, 杨宏伟, 李郁秀, 王 川 (88) 无颗粒型银导电墨水的研究进展………………。迟志高,董 越,李晓东,张 牧,孙旭东 (97) 《贵金属》2020年目录……………………李楷中,杜怡霖,赵 飞,廖 微
  - •(55) 期刊简介/征订•(60) 著作权使用声明•(67) 征稿简则
  - (封二) 《贵金属》第五届编辑委员会 (封三) 《中文核心期刊要目总览》2017年版入编通知 [期刊基本参数] CN 53-1063/TG\*1980\*q\*A4\*100\*zh\*P\*25.00\*500\*15\*2020-11

责任编辑: 李楷中

## PRECIOUS METALS

Sponsored by The Nonferrous Metals Society of China & Kunming Institute of Precious Metals Vol.41, No.4 (Sum 162), November 2020 (Quarterly, started in Autumn 1980)

**CONTENTS** 

#### **Research & Application** (01)Study on Preparation of RhCeZrLaNdO<sub>x</sub> Catalysts by Hydrothermal Crystallization and Their Performance .....ZHU Jing-fang, YANG Dong-xia, YU Fei, CHANG Shi-ying, HUAN Yuan-feng, GU Yong-wan, PAN Zai-fu, ZHAO Yun-kun (08)Study on Synthesis, Characterization and Light-physical Property of Ir(mpiq)<sub>2</sub>(tmd) ······YAN Cai-xian, YAN Ting-xi, JIANG Jing, LIU Wei-ping, SHEN Shan-wen Study on Preparation of Nano-silver by Reduction of Momordica Charantia Extracts (15)······SUN He-yuan, WANG Xiao-ju, CHEN Xi, WANG Zhi-guo, LIU Zhu-lan, WANG Qi Study on Preparation of ZIF-67/PVDF Hybrid Membrane and Its Pd Extraction Performance (21)·······GONG Jie, CHEN Wen-xuan, ZOU Yu-zhou, XIE Yu, LIU Hui-nan, TONG Fei (27)Study on Direct Preparation of High-Purity Iridium Powder from Iridium-containing Scraps ······ZHAO Jia-chun, WU Yue-dong, MA Yuan, TONG Wei-feng, DONG Hai-gang (31) Research on the Leaching of Palladium in Anhydrous DMF-Copper Chloride System ······ ZHOU Yong-jie, ZHANG Cheng-long, WANG Rui-xue, MA En, TONG Jun, JIANG Jia-chao, BAI Jian-feng, WANG Jing-wei WANG Zheng-qi, HU Hong-xi, LONG Wei-gang, WANG Cun-zhu, CHEN Tian-min, ZHANG De-qiu Simulation Calculation of the Effects of Particle Size on the Directional Recovery of Silver in the Flotation (44)Separation of Lead-Zinc RAN Jin-cheng, QIU Xian-yang Study on Comprehensive Recovery of Valuable Metals in Sulfur Concentrates by Chlorination Roasting (51)······HU Yang-jia, ZHAO Zhi-qiang, Liu Hui-nan, LIU Gan-hua, BAO Shen-xu, LUO Si-gang, ZHAO Jie, WANG Guo-qiang (56) Research on Orthogonal Test of Flotation of a Gold Ore in Gansu ······XUN Jing-wen, WANG Yu-bin, LEI Da-shi, WEI Ya-ru (61) Electrochemical Determination of Nedaplatin in a Miniature Electrochemical Cell······ZHAO Jian-song, DING Gang-xin, BEI Yu-xiang, LI Guo-da, XIONG Hua-bin, LI Xiao-fen, GAO Yun-tao Residual Concentration Determination of Five Organic Solvents in Suniplatin by HS-GC (68)······YANG Xiao-yan, SHEN Hong-ya, JIANG Jing, GAO An-li, YANG Zhi, WANG Jing-kun, XU Hong-gui Reviews Research Progress on Pt-based Nanomaterials for ORR Electrocatalysts of PEMFC ······WANG Zhi-da, GAN Yuan, YAN Chang-feng, LIU Guang-hua Research and Application Progress of Silver-Copper Nanowires ······LI Yao, FAN Zheng-yang, YUAN Xi-min, YANG Hong-wei, LI Yu-xiu, WANG Chuan Research Progress of Particle-Free Silver Conductive Ink (88)·······CHI Zhi-gao, DONG Yue, LI Xiao-dong, ZHANG Mu, SUN Xu-dong (97) Content Index of Precious Metals 2020·······LI Kaiz-hong, DU Yi-lin, ZHAO Fei, LIAO Wei