

目 次

研究和应用

高温高压下金刚石同质外延生长的研究 刘晓兵, 胡强, 等(1)

水性介质中纳米金刚石分散行为研究 李颖, 李变晓, 等(5)

钎焊多层金刚石薄壁钻的性能研究 周玉梅, 刘燕, 等(10)

IC硅片超精密背磨用树脂2000#金刚石砂轮研究 李克华, 郭强, 等(14)

高温高压下Fe-Ni-C系合成金刚石单晶的机理研究(上) 李和胜, 许斌, 等(21)

高品质人造金刚石合成工艺特点的探讨 刘立新, 赵岩(25)

新型金刚石分齿烧结锯片的半自动成型模具 李鸿程(28)

电镀金刚石工具镀层脱落的原因分析 甘可(32)

并流共沉淀法制备铜锡钨复合预合金粉末的研究 潘超, 秦海青, 等(35)

产业与综述

进一步提升金刚石钻头设计制造水平的思考 郑超(40)

国外技术

金刚石钎焊(上) Michael sang, James C. Sung(45)

珠宝专栏

微型光纤光谱仪在钻石检测中的运用 王健行, 陈美华(50)

首饰用千足硬金综述 杜中文(54)

寿山石染黄工艺过程研究 陈偲偲, 狄敬如, 等(58)

其它

湖北鄂州打造金刚石工具产业集群(24) 豫金刚石上市造9个亿万富豪(27) 超硬工具的时代来了(34) 百
莱玛专销瑞典HTC金刚石地面清洁系统(39) 大连瓦房店大型金刚石矿不会影响国际钻石价格(44) 人造
金刚石市场需求大增前景广阔(49) 大连发现高纯度大型金刚石矿、可供开采20年(57) 单晶金刚石刀具在
镜面加工中的应用(61) 如何研制适合加工PCD的陶瓷结合剂金刚石砂轮(62) 豫金刚石形势分析(62)

* * * * *

公告:为扩大影响,本刊加入了万方数据库等电子媒介,本刊付作者稿酬包括了这部分权益。作者所投稿件中如有侵权行为责任自负。

CONTENTS

Study on diamond growth mechanism under HPHT conditions	LIU Xiao-bing, HU Qiang, et al(1)
The dispersion behavior of nano-diamond in aqueous medium	LI Ying, LI Bian-xiao, et al(5)
Study on performance of brazed multilayer thin-walled diamond drill bit	ZHOU Yu-mei, LIU Yan, et al(10)
Study on the resin bond diamond grinding wheel used for ultra-precision back grinding silicon wafer	LI Ke-hua, GUO Qiang, et al(14)
Mechanism of synthesizing diamond single crystal from Fe-Ni-C system under high-temperature and high-pressure	LI He-sheng, XU Bin, et al(21)
Discussion on synthesis process characteristics of high quality diamond	LIU Li-xin, ZHAO Yan(25)
New semi-automated forming mould for sintering diamond saw blade	LI Hong-cheng(28)
Analysis on coating shedding of electroplated diamond tool	GAN Ke(32)
Study on Cu-Sn-La pre-alloyed powder made by coprecipitation	PAN Chao, QIN Hai-qing, et al(35)
Improvement of design and manufacture level of diamond drill bit	ZHENG Chao(40)
Application of micro-optical spectrometer used in diamond identification	WANG Jian-xing, CHEN Mei-hua(50)
The description of hardened pure gold used in jewelry	DU Zhong-wen(54)
Study on yellow-colouration of lardite	CHEN Si-si, DI Jing-ru, et al(58)

* * * * *

Bulletin: The Journal is embodied by domestic and international electric mediums including Wanfang Database etc. The author's remuneration paid to the authors also includes the rights and interests of this part. Author has to promise that the contribution to the Journal should not violate the other's intellect property.