

## 目 次

### 研究和应用

- 金刚石镀覆及热处理在金刚石工具中的应用 ..... 谢吉,甄春刚,覃光明,等(1)  
陶瓷结合剂含量对金刚石磨具性能影响研究 ..... 潘晓毅,谢德龙,林峰,等(8)  
基线磁化对金刚石线锯制备工艺的影响 ..... 代晓南,白玲,邢勇,等(13)  
传压介质对温度梯度法合成宝石级金刚石径高比的影响 ..... 田杨杨,刘坤,张坤,等(17)  
不同气氛下预烧结对串珠胎体物理性能的影响初探 ..... 莫睿,张俊,钟帅(21)  
纳米金刚石表面修饰工艺研究 ..... 王芬芬,李剑云,靳玮(25)

### 产业与综述

- 金刚石薄膜的发展及展望 ..... 孔帅斐,刘一波,陈春晖(32)  
预合金粉在金刚石工具中的应用 ..... 杨栋,武玺旺,张世峰,等(37)

### 珠宝专栏

- 具晕彩效应长石的宝石学特征研究 ..... 宁珮莹,蒙彩珍,潘涵,等(41)  
水镁石的宝石学和矿物学特征研究 ..... 申晓萍,赵俊龙,李新岭(46)  
绿色低型锆石宝石学特征研究 ..... 陈能香(51)  
一仿“夜明珠”的宝石学特征及鉴定 ..... 赵增宝,于雷(56)  
情感化设计在珠宝首饰设计中的应用 ..... 崔晓晓(60)

\* \* \* \* \*

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**

Application of diamond coating and heat treatment on diamond tools .....	XIE Ji , ZHEN Chungang , QIN Guangming , et al(1)
The Study on the Effect of Vitrified Bond Content on the Performances of Diamond Grinding Tools .....	PAN Xiaoyi , XIE Delong , LIN Feng , et al(8)
Effect of baseline magnetization on the preparation of diamond wire saw .....	DAI Xiaonan , BAI Ling , XING Yong , et al(13)
Effect of pressure medium on the diameter to height ratio of gem grade diamond synthesized by temperature gradient method .....	TIAN Yangyang , LIU Kun , ZHANG Kun , et al(17)
Preliminary study on the effect of pre-sintering under different atmospheres on the physical properties of bonded carbons .....	MO Rui , ZHANG Jun , ZHONG Shuai(21)
Study on surface modification of nano diamond .....	WANG Fenfen , LI Jianyun , JIN Wei(25)
Advancement and Prospects in Diamond Films .....	KONG Shuaifei , LIU Yibo , CHEN Chunhui(32)
Application of pre-alloy powder in diamond tools .....	YANG Dong , WU Xiawang , ZHANG Shifeng , et al(37)
Study on Gemological Characteristics of Iridescent Feldspars .....	NING Peiying , MENG Caizhen , PAN Han , et al(41)
Research on Gemological and Mineralogical Characteristics of Brucite .....	SHEN Xiaoping , ZHAO Junlong , LI Xiling(46)
Gemmological Characteristics of Green Low Type Zircon .....	CHEN Nengxiang(51)
Gemmological Characteristics and Identification of ALuminous Pearl Imitation .....	ZHAO Zengbao , YU Lei(56)
The Application of Emotional Design on Jewelry Design .....	CUI Xiaoxiao(60)

\* \* \* \* \*

**Bulletin:** The Journal is embodied by domestic and international electric media 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 intellectual property.