

EI 中文核心期刊

ISSN 1000-7032

CN 22-1116/O4

CODEN FAXUEW

发光学报

CHINESE JOURNAL OF LUMINESCENCE

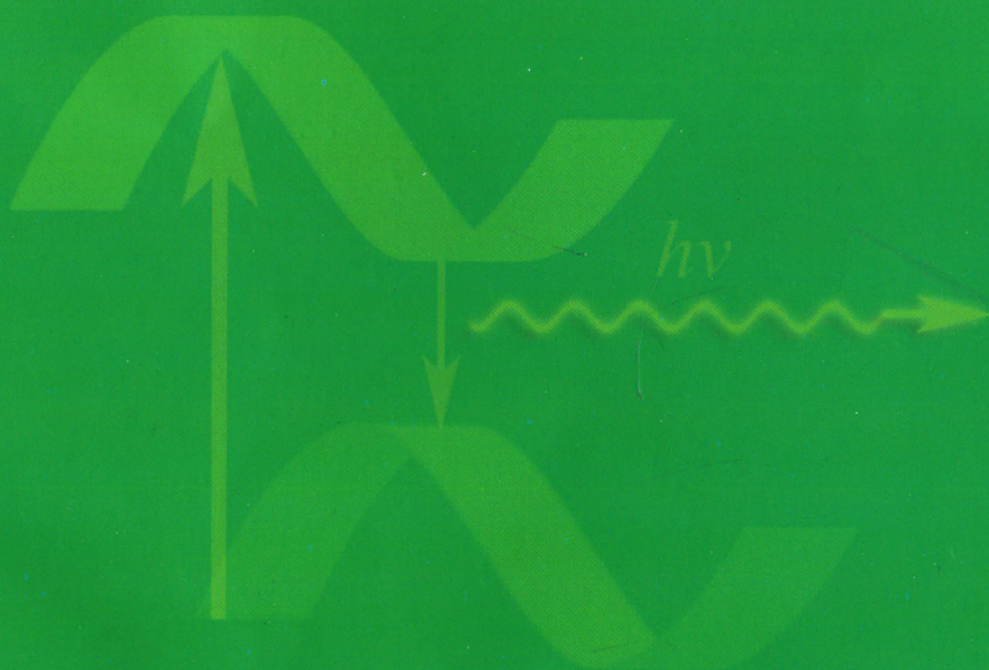
第33卷

Vol. 33

2012

第8期

No. 8



中国科学院长春光学精密机械与物理研究所 主办
中国物理学会发光分会 出版
科学出版社

发 光 学 报

FAGUANG XUEBAO

第 33 卷 第 8 期 2012 年 8 月

目 次

· 材料合成及性能研究 ·

基于量子阱结构的高效磷光有机电致发光器件

..... 赵 波, 苏子生, 晋芳铭, 闫兴武, 初 蓓, 李文连 (803)

六方系 InAlGaIn 晶体的长波长光学声子研究 陈贵楚, 范广涵 (808)

溶液浓度对 CCl_4 费米共振的影响 孙 尚, 吴咏玲, 李 硕, 蒋秀兰, 孙成林, 里佐威 (812)

助熔剂对绿色荧光粉 $\text{Ba}_2\text{SiO}_4:\text{Eu}^{2+}$ 颗粒形貌及发光性能的影响

..... 李雪静, 梁玉军, 杨 帆, 夏章良, 李云丽, 黄文珠 (817)

Bi^{3+} 掺杂对 $\text{Sr}_2\text{MgSi}_2\text{O}_7:\text{Eu}^{2+}$ 荧光粉的结构及发光性能的影响

..... 章少华, 江柳杨, 张 璟, 谢 冰 (824)

红色 $\text{Bi}_4\text{Ge}_3\text{O}_{12}$ 晶体在低温下的发光性能 俞平胜, 苏良碧, 王庆国, 徐 军 (828)

红色荧光联苯四甲酸碱式稀土配合物的合成及发光性能

..... 林美娟, 唐 强, 王小萍, 王 文, 凌启淡 (833)

Pr^{3+} 激活的 CaMoO_4 红色荧光粉的发光性质 张丹丹, 石士考, 罗 鸣, 刘行仁, 周 济 (840)

$\text{KCaY}(\text{PO}_4)_2:\text{Tb}^{3+},\text{Eu}^{3+}$ 荧光粉的水热法制备及发光性质研究

..... 杨艳民, 李自强, 焦福运, 苏献园, 张韶阳, 李志强, 苏红新 (845)

$\text{BaWO}_4:\text{Eu}^{3+}$ 红色荧光粉的水热制备及其发光性能

..... 杨晓旭, 吕树臣, 曲秀荣, 孟庆裕, 张丽丽, 桑士晶 (851)

· 器件制备及器件物理 ·

基于聚噻吩/聚己内酯共混物的有机薄膜晶体管 王晓鸿, 邱龙臻 (857)

积分球光源分布温度对宽波段光学遥感器绝对辐射定标的影响及其校正

..... 万 志, 李葆勇, 李宪圣, 刘则洵, 刘洪兴, 叶 钊 (863)

电子束辐照对 GaN 基 LED 发光性能的影响 于莉媛, 牛萍娟, 邢海英, 侯 莎 (869)

中性色温下两基色、三基色荧光粉转换白光 LED 的光谱优化

..... 戴树春, 郭自泉, 吕毅军, 陈 忠 (873)

SiO_2 纳米颗粒对 $\alpha\text{-AlGaIn}$ 金属-半导体-金属结构紫外探测器的影响

..... 贾 辉, 陈一仁, 孙晓娟, 黎大兵, 宋 航, 蒋 红, 缪国庆, 李志明 (879)

THz 波段光子晶体带隙影响因素研究 张 会, 张卫宇, 徐 旺, 郭一飞, 常胜江 (883)

电极对 $\text{CuPc}/\text{C}_{60}$ 双层异质结有机太阳能电池光学性能的影响

..... 李 祥, 文尚胜, 贺前华, 李 飞, 姚日晖 (888)

适用于金属薄板焊接的柔性光纤耦合半导体激光加工光源

..... 张 俊, 彭航宇, 刘 云, 秦 莉, 王立军 (895)

表面等离子激元在具有 PT 对称性的环谐振器中的传输 韩 缙, 樊元成, 张正仁 (901)

· 光谱分析 ·

丁二酰化壳寡糖铜配合物的合成及与牛血清白蛋白的相互作用

..... 李小芳, 冯小强, 杨 声, 张玉霞 (905)

CdTe 量子点-罗丹明 B 荧光共振能量转移法测定溶菌酶

..... 高桂园, 刘 璐, 付 璇, 杨 冉, 屈凌波 (911)

CHINESE JOURNAL OF LUMINESCENCE

Vol. 33 No. 8

August 2012

CONTENTS

· Synthesis and Properties of Materials ·

- High Efficiency Phosphorescent Organic Light-emitting Devices Based on Multiple Quantum Well Structure
..... ZHAO Bo, SU Zi-sheng, JIN Fang-ming, et al. (803)
- Study on Long-wavelength Optical Phonons in Hexagonal InAlGa_N Crystals CHEN Gui-chu, FAN Guang-han (808)
- Effect of Solution Concentration on The Fermi Resonance (FR) of Carbon Tetrachloride
..... SUN Shang, WU Yong-ling, LI Shuo, et al. (812)
- Effect of Fluxes on Morphology and Luminescent Properties of Ba₂SiO₄:Eu²⁺ Green Phosphor
..... LI Xue-jing, LIANG Yu-jun, YANG Fan, et al. (817)
- Effects of Bi³⁺ Concentration on Luminescent Properties of Sr₂MgSi₂O₇:Eu²⁺ Phosphor
..... ZHANG Shao-hua, JIANG Liu-yang, ZHANG Jing, et al. (824)
- Luminescence of Red Bi₄Ge₃O₁₂ Crystal in Low Temperature ... YU Ping-sheng, SU Liang-bi, WANG Qing-guo, et al. (828)
- Synthesis and Characterization of 3,3',4,4'-Biphenyl Tetracarboxylic Rare Earth Complexes with Red Fluorescence
..... LIN Mei-juan, TANG Qiang, WANG Xiao-ping, et al. (833)
- Luminescent Properties of Pr³⁺-activated CaMoO₄ Red Phosphors ZHANG Dan-dan, SHI Shi-kao, LUO Ming, et al. (840)
- Hydrothermal Synthesis and Luminescence Properties of KCaY(PO₄)₂:Tb³⁺,Eu³⁺ Phosphor
..... YANG Yan-min, LI Zi-qiang, JIAO Fu-yun, et al. (845)
- Hydrothermal Preparation of BaWO₄:Eu³⁺ Red Phosphor and Its Luminescent Properties
..... YANG Xiao-xu, LV Shu-chen, QU Xiu-rong, et al. (851)

· Device Fabrication & Physics ·

- Organic Thin Film Transistors Based on Blends of Poly(3-hexylthiophene) and Polycaprolactone
..... WANG Xiao-hong, QIU Long-zhen (857)
- Influence of Integrating Sphere Source's Distribution Temperature on Broadband Optical Remote Sensor's Absolute
Radiometric Calibration and Correcting Methods WAN Zhi, LI Bao-yong, LI Xian-sheng, et al. (863)
- Influence of Electron Beam Irradiation on The Luminescence Properties of GaN-based LED
..... YU Li-yuan, NIU Ping-juan, XING Hai-ying, et al. (869)
- Spectrum Optimization of Bi-color and Tri-color Phosphor-converted White LEDs in Neutral Correlated Color
Temperature System DAI Shu-chun, GUO Zi-quan, LV Yi-jun, et al. (873)
- Effect of SiO₂ Nanoparticles on Properties of α -AlGa_N MSM UV Photodetectors
..... JIA Hui, CHEN Yi-ren, SUN Xiao-juan, et al. (879)
- Study on The Influencing Factors of Photonic Crystal's Band Gaps in THz Waveband
..... ZHANG Hui, ZHANG Wei-yu, XU Wang, et al. (883)
- Effects of Electrodes on The Optical Performance of CuPc/C₆₀ Bilayer Heterojunction Organic Solar Cells
..... LI Xiang, WEN Shang-sheng, HE Qian-hua, et al. (888)
- Fiber-coupled Diode Laser Flexible Processing Source for Metal Sheet Welding
..... ZHANG Jun, PENG Hang-yu, LIU Yun, et al. (895)
- Propagation of Surface Plasmon Polaritons in A Ring Resonator with PT-symmetry
..... HAN Jin, FAN Yuan-cheng, ZHANG Zheng-ren (901)

· Spectral Analysis ·

- Synthesis and Interaction of Succinic-oligochitosan-Eu(III) Complex with Bovine Serum Albumin
..... LI Xiao-fang, FENG Xiao-qiang, YANG Sheng, et al. (905)
- Fluorescence Resonance Energy Transfer Between CdTe QDs and Rhodamine B with Its Application in The
Determination of Lysozyme GAO Gui-yuan, LIU Lu, FU Xuan, et al. (911)

Editorial Board of Chinese Journal of Luminescence

(3888 Dongnanhu Rd., Changchun 130033, P. R. China)