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文 章

一、动力学及过热电子

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CdSe/CdZnSe 多量子阱的激子 复合性质的研究 *

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薄膜电致发光器件中电子输运的瞬态过程 *

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主链含电子传输型基团的 可溶性 PPV 发光特性研究 *

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以 ZnO 为电子传输层 PPV 的发光*

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各
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量
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8-羟基喹啉铝发光特性及老化的研究*

滕 枫 侯延冰 徐 征 徐叙瑢

聚合物 PVK 掺杂 1,3-二(2-苯并恶唑) -苯(OXA)的光致发光*

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光激励发光的并行模型*

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研究快报

可溶性 PPV 衍生物电致发光性质的研究*

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光激励发光在 X 射线检测技术中的应用*

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Eu^{2+} :BaFCI 光激励发光衰减的研究*

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基于ZBLAN:Pr, Yb玻璃上转换发光的三维立体显示*

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Er^{3+} 和 Yb^{3+} 共掺杂氟氧化物微晶玻璃中的交叉弛豫对发光的影响*

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摘要 研究了在氟氧化物微晶玻璃中 Yb^{3+} 和 Er^{3+} 之间的能量交叉弛豫对发光和上转换的影响。结果显示, 交叉弛豫对光谱形状和发光强度都有明显的影响。

关键词: 稀土, 交叉弛豫, 氟氧化物微晶玻璃, 发光

Organic Light Emitting Diode Using Inorganic Material as Electron Transport Layer

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ADVANCES IN ELECTRONIC AND INFORMATION ENGINEERING

THREE-DIMENSION DISPLAY BASED ON UPCONVERSION OF ZBLAN:Pr,Yb GLASS

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Electrochemical Society Proceedings Volume 98 - 24

PROBLEMS IN BLUE ELECTROLUMINESCENCE

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Abstract:

In the frame of layered optimization and based on the previous analysis, we investigated factors influencing the occurrence and brightness of blue emission such as intervalley scattering, ionization of excited centers, serial structure of layered optimization, role of CdS in providing primary electrons and influence of sulfur vacancies.

Monochrome electroluminescence(EL) flat panel display was produced in 1983 by Sharp Corporation. Now it is widely used in different techniques. But for information display it is required to have color display, especially full color display. The problem is focused to finding blue electroluminescent materials with sufficient brightness, for example, more than 12 nit, which is the lowest requirement for full color display. Therefore, in recent years many researchers are devoting themselves to this endeavor along different directions. Many works

The Electron Transfer Process in Electron Capture Materials

SPIE Vol. 3562

ZHAO Hui¹ WANG Yongsheng² XU Zheng³ CHENG Zhengwei⁴ XU Xurong⁵

SPIE Vol. 3562

The Difference Between Two kinds of Electron Traps in BaFCl:Eu²⁺

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f Oct. 1

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“中等生之路”与技术→英文版

Charged Centers in ZnS-Type Thin Film Electroluminescent Devices*

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Czechoslovak Journal of Physics, vol. 48(1998), NO. 9
此为抽印本，因无赠刊，只得用抽印本。

18

假間

EFFECTS OF EXCITATION AND BLEACHING OF ULTRAVIOLET DURING PHOTOSTIMULATED LUMINESCENCE OF BaFCl:Eu²⁺ PHOSPHORS*)

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1998年11月
Nov. 1998

X射线影像存储材料 BaFCl:Eu²⁺ 的热释发光性质

王永生 赵 辉 徐 征 孙 力 徐叙瑢

**Electron Acceleration Process in ZnS-Type Thin Film
Electroluminescence Devices ***

ZHAO Hui(赵辉), WANG Yong-sheng(王永生), XU Zheng(徐征), XU Xu-rong(徐叙瑢)
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Semiconductor Science and Technology

NOTES

**Influence of the electric field on carriers recombination zone
in bilayer organic electroluminescent device**

YANG Shengyi, WANG Zhenjia, XU Zheng, CHEN Xiaohong, HOU Yanbing
 & XU Xurong

Journal of Applied polymer science Vol 74

**Synthesis, Photo-, and Electroluminescent Properties of the
Soluble Poly[(2,5-diphenylene-1,3,4-oxadiazole)-
4,4'-vinylene]**

SHOUGEN YIN,¹ ZHENJIA WANG,¹ XIAOHUI YANG,¹ WENQIANG HUANG,² FUQIANG ZHANG,²
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25 June 1999



Chemical Physics Letters 307 (1999) 75–80

**CHEMICAL
PHYSICS
LETTERS**

Interchain charge-transfer states in
poly[(2,5-diphenylene-1,3,4-oxadiazole)-4,4'-vinylene]
(O-PPV) oligomer

Zhenjia Wang ^a, Shougen Yin ^a, Xiaohui Yang ^a, Zhaoyong Sun ^b, Xurong Xu ^a,
 Xinkang Zhang ^{b,*}

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ADVANCES IN ELECTRONIC AND INFORMATION ENGINEERING

INTERVALLEY SCATTERING AND BLUE ELECTROLUMINESCENCE

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Semicond. Sci. Technol. 14 (1999) 1–4. Printed in the UK

PII: S0268-1242(99)00045-0

Influence of charged centres on transport properties of thin film electroluminescent devices

Zhao Hui, Wang Yongsheng, Xu Zheng and Xu Xurong

Institute of Optoelectronic Technology, Northern Jiaotong University, Beijing 100044, China

Sunrise Setting
Marked Proof
SST/100045/PAP
17260000

MECHANISM OF PHOTOSTIMULATED LUMINESCENCE: $\text{BaFCl}:\text{Eu}^{2+}$)

ZHAO HUI, WANG YONGSHENG, XU ZHENG, TANG HUIJUN, XU XURONG

Institute of Optoelectronic Technology

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Transient acceleration process of electrons in ZnS-type thin film electroluminescence devices

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The "fields" in the manuscript
are incomprehensible.
It is a bit better. O.K.?

7

薄膜电致发光器件中电子输运的瞬态过程 *

赵 辉 王永生 徐 征 徐叙瑢

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文章编号: 1001-5868(1999)03-

半 导 体 光 电

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无机薄膜电致发光研究进展^{①②}

赵 辉, 王永生, 徐 征, 孙 力, 徐叙瑢 → 璩
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ZnS:Mn²⁺ 薄膜电致发光器件中电子散射过程的研究

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高场下界面势垒对双层有机器件复合发光的影响 *

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(2000 年 1 月 28 日收到; 2000 年 2 月 28 日收到修改稿)

以高场作用下载流子对三角势垒的 Fowler-Nordheim 隧穿理论为基础, 建立了双层有机电致发光器件中载流子的输运和复合发光模型。计算并讨论了所加电压与界面势垒对器件的复合电流及其复合效率的影响。该理论模型很好地解释了实验现象, 并进一步证实了电场对复合区域的调制作用。

薄膜场致发光显示的研究进展*

“物理学报”
28卷(1999年)
2期

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CdTe/CdZnTe 多量子阱激子复合动力学性质的研究*

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等

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1999年4月

半 导 体 光 电
Semiconductor Optoelectronics

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Apr. 1999

蒙特卡洛法模拟半导体高场输运过程^{①②}

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“2刀流材料” 1999. 30 (5)

ZnS:Mn 薄膜电致发光器件中的电子能量

赵 辉,王永生,徐 征,杨盛谊,徐叙瑢

此为试读,需要完整PDF请访问: 北方交通大学光电子技术研究所,北京 100044