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高志强



男, 汉族, 黑龙江人。高志强博士近年来一直致力于光电信息材料与器件, 以及特种显示技术的研究、开发与产业化工作, 以第一作者或者通讯作者身份在Angew. Chem. Int. Ed.、Adv. Mater.、Adv. Funct. Mater.、Appl. Phys. Lett.、Chem. Commun.、Phys. Rev. B、J. Mater. Chem. 等国际著名刊物发表文章70余篇, 其中影响因子大于3的论文40余篇(单篇最有影响的论文被引用达100多次), 获授权美国专利3项(OLED领域)、其它授权及公开专利6项。

### 详细介绍

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#### 个人简历

1989年毕业于北京大学技术物理系;  
1992年获北京大学技术物理系硕士学位;  
1992-1997年: 中科院物理所, 表面物理国家重点实验室, 工程师  
2000年获香港城市大学, 物理及材料科学系博士学位;  
2000-2006年: 香港精电国际有限公司, 研发部, 技术专家  
2006-2007年: 香港浸会大学, 先进发光材料中心, 访问研究员  
2007-今, 南京邮电大学材料科学与工程学院 信息材料与纳米技术研究院, 教授

#### 研究方向

- 1) 无铅钙钛矿太阳能电池器件及机理
- 2) 染料敏化太阳能电池材料器件及工艺
- 3) 光电器件的理论模拟与性能预测
- 4) 无机荧光粉的研究

#### 主要研究项目

1. 国家自然科学基金面上项目, “基于纯有机染料及静电喷雾法的染料敏化太阳能电池研究”(61474064) 80万, 2015.01-2018.12, 骨干, 在研。
2. 国家自然科学基金面上项目, 有机D-A体系及在功能器件中的应用(61076106) 39万元, 2011.01-2013.12, 主持, 结题。
3. 国家自然科学基金面上项目, 基于C<sup>N</sup>=N双齿配体的金属铱、铂配合物的新型光电活性材料及器件研究(61077021) 38万元, 2011.01-2013.12, 骨干, 结题。
4. 上海大学教育部重点实验室开放课题, 光色稳定长寿命高效白光OLED新方案的研究(07k02) 3.6万元, 2009.01-2011.12, 骨干, 结题。
5. 昆山龙腾光电有限公司委托开发项目, 用于LCD背光的OLED器件(IVO-09-TS-007-LDT) 20万, 2009.01-2011.10, 主持, 结题。
6. 南京邮电大学人才引进项目, 垂直取向柱基液晶显示器的配向膜材料及工艺研究(NY207162) 15万元, 2008.01-2009.12, 主持, 结题。

#### 奖励荣誉

1. 获授权美国专利3项(OLED领域)、其它授权及公开专利6项。
2. 1999年由于设计超高真空OLED实验设备获沈阳市科技进步一等奖。

## 代表性著作

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5. MinJie Zhuo, Wei Sun, GaoWen Liu, Juan Wang, LiYuan Guo, Chen Liu, BaoXiu Mi, \* Juan Song\* and ZhiQiang Gao\*, "Pure aromatic hydrocarbons with rigid and bulky substituents as bipolar hosts for blue phosphorescent OLEDs", Journal of Materials Chemistry C, 3 (2015), 9137-9144. 通讯作者
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