



航空学报 » 1996, Vol. 17 » Issue (1) :55-61 DOI:

论文

[最新目录](#) | [下期目录](#) | [过刊浏览](#) | [高级检索](#)

[<<](#) [<<](#) [前一篇](#) | [后一篇](#) [>>](#) [>>](#)

ITO透明导电膜的制备及性能

岳锡华, 赵屹, 张维佳

北京航空航天大学102 教研室, 北京, 100083

PREPARATION AND PROPERTIES OF ITO TRANSPARENT CONDUCTING FILMS

Yue Xihua, Zhao Yi, Zhang Weijia

Faculty 102, Beijing University of Aeronautics and Astronautics, Beijing, 100083

摘要

参考文献

相关文章

Download: [PDF \(273KB\)](#) [HTML](#) 0KB Export: [BibTeX](#) or [EndNote \(RIS\)](#) [Supporting Info](#)

摘要 研究了用直流反应磁控溅射法在无机玻璃基片上制备 I T O透明导电膜的工艺; 测试了膜的电阻率、对可见光的透射率及对垂直入射微波的反射率和透射率; 研究了反应溅射时氧浓度、溅射后退火气氛对电阻率和透光率的影响; I T O膜方块电阻对微波反射率和透射率的影响

关键词: ITO半导体 膜 溅射 电阻率 透射率 反射率

Abstract: A process used to prepare ITO transparent conducting films on inorganic glass substrates by d.c. reactive magnetron sputtering is presented. The resistivity, visible light transmittance, reflectivity and transmittance to perpendicularly incidenting microwaves of the film have been measured. The effects of O₂ concentration during reactive sputtering and annealing atmosphere after sputtering on resistivity and visible light transmittance, and the effect of square resistance on reflectivity and transmittance of microwaves have been studied.

Keywords: ITO films sputtering electrical resistivity transmissivity reflectance

Received 1994-07-25; published 1996-02-25

引用本文:

岳锡华; 赵屹; 张维佳. ITO透明导电膜的制备及性能[J]. 航空学报, 1996, 17(1): 55-61.

Yue Xihua; Zhao Yi; Zhang Weijia. PREPARATION AND PROPERTIES OF ITO TRANSPARENT CONDUCTING FILMS[J]. Acta Aeronautica et Astronautica Sinica, 1996, 17(1): 55-61.

Service

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [Email Alert](#)
- ▶ [RSS](#)

作者相关文章

- ▶ [岳锡华](#)
- ▶ [赵屹](#)
- ▶ [张维佳](#)