

IoP

ISSN 0022-3727

# Journal of Physics D Applied Physics

Volume 32 Number 24 21 December 1999

Review article: Electroluminescence in organics

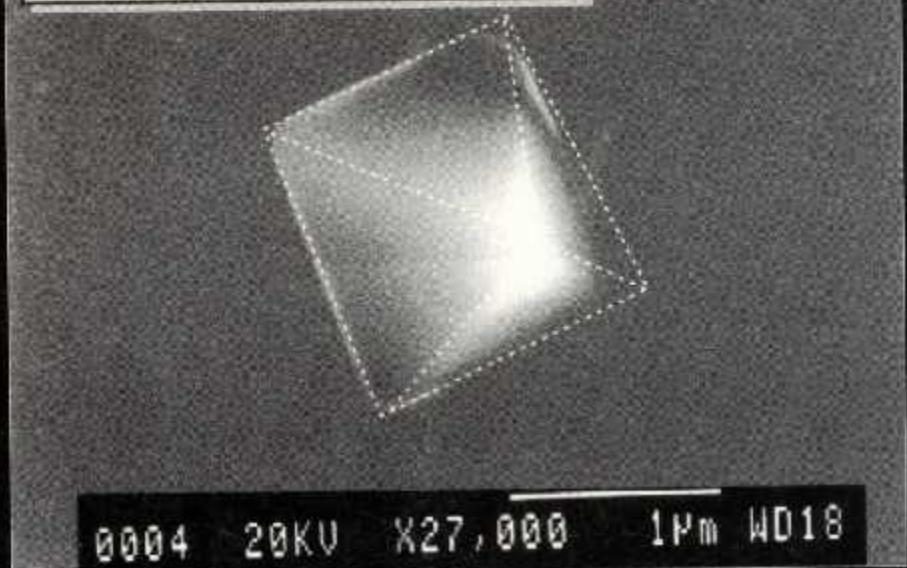
J Kalinowski

Online: [www.iop.org](http://www.iop.org)

A Journal Recognized by  
The European Physical Society



As<sub>2</sub>O<sub>3</sub> micro-crystal



0004 20KV X27,000 1μm WD18

Ref: C 2 PF 171198/01 DF: 27745244  
JOURNAL OF PHYSICS ("D" : APPLIED PHYSICS)  
21-12-39 Vol. 32 No. 24  
0022-3727 22101144  
06.01.00  
LIBRIS  
144 BOULEVARD Krim BELKADEM  
ALGER  
ALGERIE



Institute of **Physics** PUBLISHING

# Journal of Physics D: Applied Physics

Volume 32

Number 24

21 December 1999

## RAPID COMMUNICATIONS

- L125 Formation of p-type CdS thin films by laser-stimulated copper diffusion  
T D Dzhafarov, M Altunbaş, A İ Kopya, V Novruzov and E Bacaksız
- L129 Fabrication of ordered arrays of silicon nanopillars  
K Seeger and R E Palmer
- L133 Gas phase corona discharges for oxidation of phenol in an aqueous solution  
W F L M Hoeben, E M van Veldhuizen, W R Rutgers and G M W Kroesen

## REVIEW ARTICLE

- R179 Electroluminescence in organics  
J Kalinowski

## PAPERS

### APPLIED INTERFACES AND SURFACES

- 3093 In-depth compositional uniformity of CuInSe<sub>2</sub> prepared by two-stage growth sequences  
V Alberts and M L Chenene
- 3099 Fabrication and low-temperature characterization of Si-implanted thermistors  
A Alessandrello, C Brofferio, C Cattadori, R Cavallini, O Cremonesi, L Ferrario, A Giuliani, B Margesin, A Nucciotti, M Pavan, G Pessina, G Pignatelli, E Previtali and M Sisti
- 3111 Density of impurity states and donor-related optical absorption spectra of GaAs-(Ga,Al)As semiconductor heterostructures  
C A Duque, A Montes, N Porras-Montenegro and L E Oliveira
- 3117 High power 4.6 μm light emitting diodes for CO detection  
A Krier, H H Gao, V V Sherstnev and Y Yakovlev
- 3122 Spatial distributions of elastically backscattered electrons from copper and silver  
C M Kwei, C J Hung, P Su and C J Tung
- 3128 On the photo- and thermally-induced darkening phenomena in As<sub>40</sub>S<sub>40</sub>Se<sub>20</sub> amorphous chalcogenide thin films  
E Márquez, J M González-Leal, R Prieto-Alcón, R Jiménez-Garay and M Vleek
- 3135 Determination of short-range order and interlayer extension in Fe/Al multilayers using XAFS  
D C Meyer, P Gawlitza, K Richter and P Paufler

### APPLIED MAGNETISM AND MAGNETIC MATERIALS

- 3140 Torsional stress impedance and magneto-impedance in (Co<sub>0.95</sub>Fe<sub>0.05</sub>)<sub>72.5</sub>Si<sub>12.5</sub>B<sub>15</sub> amorphous wire with helical induced anisotropy  
J M Blanco, A P Zhukov and J González
- 3146 Modelling of the buildup process of particles in pores of high-gradient magnetic filters using the Fokker-Planck equation  
S Herdem, T Abbasov and M Köksal
- 3151 Direct current hysteresis loops of Fe-based amorphous ribbons under stress and torsion  
O Kamer and G Birkok

### ELECTROMAGNETISM, OPTICS, ACOUSTICS, HEAT TRANSFER, CLASSICAL MECHANICS AND FLUID DYNAMICS

- 3157 Physical characterization of lightguide capillary cells  
B Schelle, P Dreßel, H Franke, K F Klein and J Slupek

(Continued on inside back cover)