

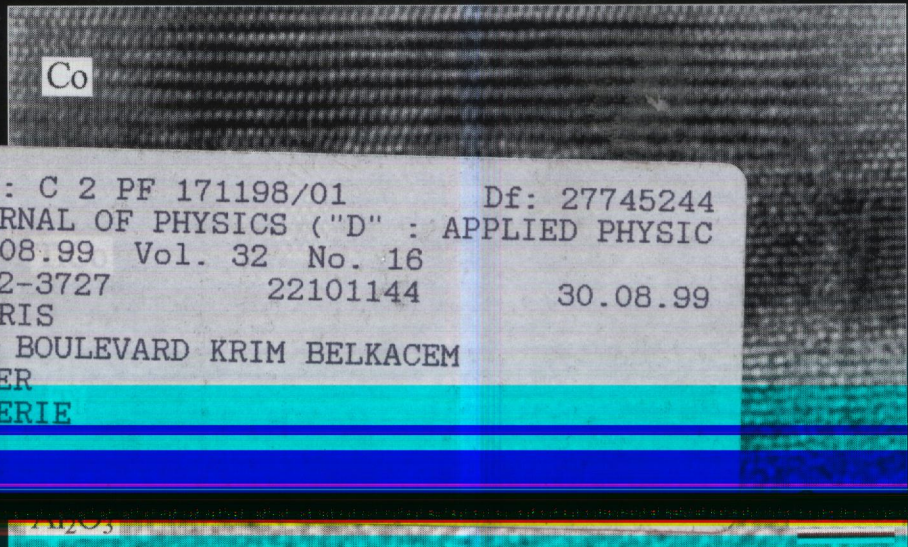
Applied
Physics

Volume 32 Number 16 21 August 1999

Review article: Electron microscopy studies of spin-valve materials

Online: www.iop.org

A Journal Recognized by
The European Physical Society



Journal of Physics D: Applied Physics

Volume 32

Number 16

21 August 1999

RAPID COMMUNICATIONS

- L71 **The fluid model of the positive column of a discharge with negative ions at low pressure joining plasma and sheath**
R N Franklin
- L75 **10 nm scale electron beam lithography using a triphenylene derivative as a negative/positive tone resist**
A P G Robinson, R E Palmer, T Tada, T Kanayama, M T Allen, J A Preece, and K D M Harris

REVIEW ARTICLE

- R89 **Electron microscopy studies of spin-valve materials**
X Portier and A K Petford-Long

PAPERS

APPLIED INTERFACES AND SURFACES

- 1947 **Laser short-pulse heating of surfaces**
B S Yilbas and S Z Shuja
- 1955 **Remote plasma chemical vapour deposition of silicon films at low temperature with H₂ and He plasma gases**
Y-B Park, X Li, S-W Rhee and D-W Park
- 1963 **Breakdown and high-energy electron vacuum emission of MIS-structures**
H-J Fitting, Th Hingst and E Schreiber

APPLIED MAGNETISM AND MAGNETIC MATERIALS

- 1971 **A modified Stoner–Wohlfarth computational model for hysteretic magnetic properties in a ferromagnetic composite rod under torsion**
M J Sablik and D C Jiles
- 1984 **A linear programming method for designing the pole profile of high-field quality magnets**
P R Sarma and R K Bhandari
- 1990 **Microstructure, magnetic properties and giant magnetoresistance of granular Cu–Co alloy**
Wendong Wang, Fengwu Zhu, Wuyan Lai, Jian-qing Wang, Gaiying Yang, Jing Zhu and Ze Zhang
- 1997 **Large enhancement of Kerr rotation in MnBi_xAl_{0.15} (0.4 ≤ x < 0.7) thin films**
T Zhu and Y J Wang
- 2001 **Fourier transform-infrared studies of non-stoichiometric Ni–Zr substituted barium ferrite**
M V Rane, D Bahadur and C M Srivastava

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

- 2006 **Intermittency of electromagnetic waves in a regular time-varying medium**
A G Nerukh
- 2014 **Excitation theory for space-dispersive active media waveguides**
A A Barybin
- 2029 **On Tamm's problem in the Vavilov–Cherenkov radiation theory**
G N Afanasiev, V G Kartavenko and Yu P Stepanovsky
- 2044 **Transverse properties of radiation eigenmodes in a sheet-beam free-electron laser**
E K Choi and Y Seo

PHYSICS OF GASES, PLASMAS AND ELECTRIC DISCHARGES

- 2049 **Breakdown delay times and memory effects in helium at low pressure**
V Kudde, F LeDuc and M Fitaire

(Continued on inside back cover)