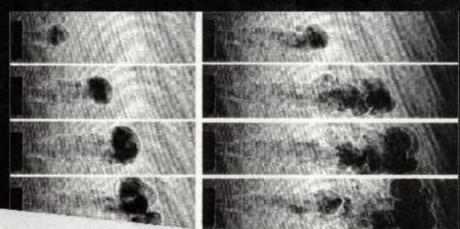
Journal of Physics D

Volume 33 Number 5 7 March 2000

Online: www.iop.org/Journals/jd

A Journal Recognized by The European Physical Society





Ref: C 2 PF 251199/03 JOURNAL OF PHYSICS ("D" : APPLIED PHYSIC 07.03.00 Vol. 33 No. 5 0022-3727 22101144 22101144 LIBRIS

Df: 27745244

15.06.00

144 BOULEVARD KRIM BELKACEM ALGERIE

Journal of Physics D: Applied Physics

	Volume 33 Number 5 / March 2000
	RAPID COMMUNICATIONS
L45	Giant magnetoimpedance and permeability in CoFeNiSiB amorphous ribbon Jifan Hu, Liansheng Zhang, Hongwei Qin, Yizhong Wang, Zhenxi Wang and S X Zhou
L49	Formation of n-type CrSi ₂ semiconductor layers on Si by high-current Cr ion implantation H N Zhu, K Y Gao and B X Liu
	PAPERS
	APPLIED INTERFACES AND SURFACES
473	White-emitting organic diode with a doped blocking layer between hole- and electron-transporting layers Xucyin Jiang, Zhilin Zhang, Weiming Zhao, Wenqing Zhu, Buxin Zhang and Shaohong Xu
477	Luminescence spectra of CaSO ₄ with Ce, Dy, Mn and Ag codopants M Maghrabi, T Karali, P D Townsend and A R Lakshmanan
	APPLIED MAGNETISM AND MAGNETIC MATERIALS
485	Structure and magnetic properties of Sm ₂ Fe _{17-z} Mn _w compounds Zhi-gang Sun, Hong-wei Zhang, Shao-ying Zhang, Jing-yun Wang and Bao-gen Shen
	ELECTROMAGNETISM, OPTICS, ACOUSTICS, HEAT TRANSFER, CLASSICAL MECHANICS AND FLUID DYNAMICS
492	Direct observation of keyhole behaviour during pulse modulated high-power Nd:YAG laser irradiation S Fujinaga, H Takenaka, T Narikiyo, S Katayama and A Matsunawa
498	Experimental determination by PVDF and EMV techniques of shock amplitudes induced by 0.6–3 ns laser pulses in a confined regime with water P Peyre, L Berthe, R Fabbro and A Sollier
	PHYSICS OF GASES, PLASMAS AND ELECTRIC DISCHARGES
504	Implementation of a discharge propagation model using an electric field map: an attempt toward a design tool for high-voltage overhead insulation M Giralt and F Buret
517	A self-consistent one-dimensional model of the anode region of inert gas discharges at low pressures and currents Yu B Golubovskii, I A Porokhova, A Dinklage and C Wilke
524	Model of the cathode region and gas temperature of a dc glow discharge at high current density R R Arslanbekov
	CONDENSED MATTER: STRUCTURE, MECHANICAL AND THERMAL PROPERTIES
545	High-temperature viscous carbon flow for the growth of single-wall carbon nanotubes F Kokai, K Takahashi, M Yudasaka and S Iijima
551	Calculation of inelastic cross-sections for the interaction of electrons with amorphous selenium M Lachaine and B G Fallone
556	Time evolution of nulsed supersonic jets of argan clusters

CONDENSED MATTER: ELECTRONIC STRUCTURE, ELECTRICAL AND OPTICAL PROPERTIES Shallow electron traps induced by $[Ru(CN)_6]^{4-}$ in AgCl microcrystals: a computer simulation study of

(Continued on inside back cover)

J P Hua, F Callens, F Cardon, H De Meyer and D Vandenbroucke

A V Malakhovskii

transient microwave photoconductivity

564