ISSN 0022-3727

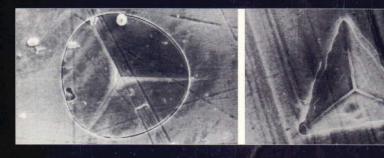
IoP

## Journal of Physics D Applied Physics Physics

Volume 38 Number 24 21 December 2005

**Topical review: Nano-indentations of coatings** *S J Bull* 

Online: www.iop.org/journals/jphysd



## **Journal of Physics D: Applied Physics**

	volume 36 Number 24 21 December 2005
R393	TOPICAL REVIEW  Nano-indentation of coatings S J Bull
	PAPERS
	PHOTONICS AND SEMICONDUCTOR DEVICE PHYSICS
4259	<b>Polychromaticity in the combined propagation-based/analyser-based phase-contrast imaging</b> Ya I Nesterets, T E Gureyev and S W Wilkins
	EXPERIMENTAL, COMPUTATIONAL AND THEORETICAL PARTICLE BEAM AND PLASMA SCIENCE
4272	Investigation of the characteristics of dielectric barrier discharge in the transition region H Z Alisoy, C Yeroglu, M Koseoglu and F Hansu
4278	Nitrogen dissociation in a low pressure cylindrical ICP discharge studied by actinometry and mass spectrometry T Czerwiec, F Greer and D B Graves
4290	Power dissipation analysis in N <sub>2</sub> O/He RF discharges using particle modelling B Despax, M Yousfi, G Younis and H Caquineau
4296	Simulation and dose uniformity analysis of plasma based ion implantation Z W Wu, Q Sun, K Ding and C X Gu
	APPLIED SURFACES AND INTERFACES
4302	Structure and thermal expansion of multi-walled carbon nanotubes before and after high temperature treatment F Y Wu and H M Cheng
	STRUCTURE AND PROPERTIES OF MATTER
4308	Temperature stability of elastic and piezoelectric properties in LiNbO <sub>3</sub> single crystal I Franke, E Talik, K Roleder, K Polgár, J P Salvestrini and M D Fontana
4313	$^{13}\mathrm{C}$ solid-state NMR analysis of heterogeneous structure of beeswax in native state T Kameda
4321	Raman spectroscopy of $Cd_{1-x}Mn_xS$ quantum dots N Romčević, R Kostić, M Romčević, M I Čomor and J M Nedeljković
	INTERDISCIPLINARY PHYSICS AND RELATED AREAS OF SCIENCE AND TECHNOLOGY
4325	Aberrations of diffractive-refractive optics: Bragg-case sagittal focusing of multiple parabolic elements J Hrdý, A Kuběna and P Mikulík
4329	Identification of vacancy type defects in low and high energy nitrogen implanted InP K Santhakumar, G Vengopal Rao, G Amarendra, S Abhaya, V S Sastry, K G M Nair and V Ravichandran
4335	Microstructure, glass forming ability and magnetic properties of Nd <sub>60</sub> Al <sub>2</sub> Fe <sub>20</sub> glass forming alloys L Xia, C L Jo, D Ding and Y D Dong

**AUTHOR INDEX** (with titles), volume 38

4339