

## **Impurity-related emission in the photoluminescence from p-type modulation doped $\text{Al}_{1-x}\text{Ga}_x\text{As}/\text{GaAs}$ heterostructures**

L. Bryja, M. Kubisa, K. Ryczko, J. Misiewicz, A. Larionov, M. Bayer, A. Forchel, C.B. Sorensen

*Solid State Communications* **122**, 379 (2002)

## **Photoluminescence of Eu-doped titania xerogel spin-on deposited on porous anodic alumina**

N.V. Gaponenko, I.S. Molchan, G.E. Thompson, P. Skeldon, A. Pakes, R. Kudrawiec, L. Bryja, J. Misiewicz

*Sensors and Actuators A Physical A* **99**, 71 (2002)

## **Nature and optical behaviour of heavily europium-doped silica glasses obtained by the sol-gel method**

D. Hreniak, M. Jasiorski, K. Maruszewski, L. Kępski, L. Krajczyk, J. Misiewicz, W. Stręk

*Journal of Non-Crystalline Solids* **298**, 146, (2002)

## **Optical properties of nominally undoped n-type MOVPE GaN epilayers**

R. Kudrawiec, J. Misiewicz, R. Paszkiewicz, B. Paszkiewicz, M. Tłaczała

*Optica Applicata* **32**, 381 (2002)

## **Infrared photomodulation spectroscopy of an $\text{In}_{0.22}\text{Ga}_{0.78}\text{Sb}/\text{GaSb}$ single quantum well**

R. Kudrawiec, G. Sęk, K. Ryczko, J. Misiewicz, A. Forchel

*Superlattices and Microstructures* **32**, 19 (2002)

## **Room Temperature photoreflectance of different electron concentration GaN epitaxial layers**

R. Kudrawiec, G. Sęk, J. Misiewicz, R. Paszkiewicz, B. Paszkiewicz, M. Tłaczała

*Materials Science and Engineering B* **96**, 284 (2002)

## **Photoluminescence investigation of porous anodic alumina with spin-on europium-containing titania sol-gel films**

R. Kudrawiec, J. Misiewicz, L. Bryja, I.S. Molchan, N.V. Gaponenko

*Journal of Alloys and Compounds* **341**, 211 (2002)

**Investigation of the non-square InGaAsP/InP quantum wells in the electrical field by photoreflectance**

R. Kudrawiec, G. Sęk, W. Rudno-Rudziński, J. Misiewicz, J. Wójcik, B.J. Robinson, D.A. Thompson, P. Mascher  
*Acta Physica Polonica A* **102**, 649 (2002)

**Optical properties of CdTe/ZnTe quantum dot superlattices**

S. Maćkowski, G. Karczewski, J. Kossut, G. Sęk, J. Misiewicz, G. Prechtel, W. Heiss  
*Physica E* **12**, 503 (2002)

**Visible luminescence from europium-doped alumina sol-gel-derived films confined in porous alumina**

I.S. Molchan, N.V. Gaponenko, R. Kudrawiec, J. Misiewicz, L. Bryja, G.E. Thompson, P. Skeldon  
*Journal of Alloys and Compounds* **341**, 251 (2002)

**Comparison of terbium photoluminescence from ion implanted and sol-gel-derived films**

J. C. Pivin, N. Gaponenko, I. Molchan, R. Kudrawiec, J. Misiewicz, L. Bryja, G. E. Thompson, P. Skeldon  
*Journal of Alloys and Compounds* **341**, 272 (2002)

**Nanolaser on heavy hole transition in semiconductor nanocrystals**

S.I. Pokutnyi, W. Salejda, L. Jacak, J. Misiewicz, M. Tyc  
*Optica Applicata* **32**, 147 (2002)

**Exciton binding energy in a double quantum well: effect of the barrier shift**

K. Ryczko, G. Sęk, J. Misiewicz  
*Superlattices and Microstructures* **32**, 73 (2002)

**Effect of nitrogen on the exciton binding energy in  $\text{Ga}_x\text{In}_{1-x}\text{N}_y\text{As}_{1-y}/\text{GaAs}$  quantum well**

K. Ryczko, G. Sęk, J. Misiewicz  
*Solid State Communications* **122**, 323 (2002)

**Photoreflectance spectroscopy of semiconductor device active regions: quantum wells and quantum dots**

G. Sęk, J. Misiewicz, A. Forchel  
*Optica Applicata* **32**, 307 (2002)

**MOVPE technology and characterization of silicon-doped GaAs and  $\text{Al}_x\text{Ga}_{1-x}\text{As}$**

B. Ściana, D. Radziejewicz, B. Paszkiewicz, M. Tłaczała, M. Utko, P. Sitarek, G. Sęk, J. Misiewicz, R. Kinder, J. Kovac, R. Srnanek  
*Thin Solid Films* **412**, 55 (2002)

**Optical investigation of the above barrier state transitions in GaAs/Al<sub>0.3</sub>Ga<sub>0.7</sub>As double quantum wells**

M. Utko, G. Sęk, L. Bryja, K. Ryczko, J. Misiewicz, M. Bayer, J. Koeth, A. Forchel  
*Materials Science & Engineering* **C 19**, 167 (2002)