

# LISTA DE LUCRARI PUBLICATE IN ULTIMII 10 ANI

S. I. BURILEANU LILIANA MICHAELA

## A. TEZA DE DOCTORAT

*Procese de magnetizare în materiale ferimagnetice și supraconductoare de temperatură critică ridicată. Modelare și experiment*

Conducător științific: prof.univ.dr. Ilie Bursuc, Facultatea de Fizică, Universitatea "Al.I.Cuza" Iași.

## B. ARTICOLE ȘI COMUNICARI

### Ba. Articole publicate în reviste cotate ISI

1. *Photoionization cross-section of donor impurity in spherical quantum dots under electric and intense laser fields*  
**Burileanu L.M.**  
Journal of Luminescence, **145**(1), pp. 684-689, 2014
2. *Anisotropic optical absorption in quantum well wires induced by high-frequency laser fields*  
Niculescu E.C., **Burileanu L.M.**, Radu A., Lupașcu A.  
Journal of Luminescence, **131**(6), pp.1113-1120, 2011
3. *Laser field dependence of intersubband transition in inverse V-shaped quantum wells*  
**Burileanu L.M.**, Niculescu E.C.  
Int. J. of Quantum Chemistry, **111**(5), pp.1108-1114, 2011
4. *THz laser field effect on the optical properties of cylindrical quantum well wires*  
**Burileanu L. M.**, Radu A.  
Optics Communications, **284**(7), pp.2050-2055, 2011
5. *Nonlinear optical absorption in inverse V-shaped quantum wells modulated by high-frequency laser field*  
Niculescu E.C., **Burileanu L.M.**  
Eur. Phys. J. B, **74**(1), pp.117-122, 2010
6. *The optical Stark effect in parabolic quantum well wires under hydrostatic pressure*  
Ecaterina C. Niculescu, Alexandru Lupașcu, **Liliana M. Burileanu**  
UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, **71**(4), pp. 45-52, 2009
7. *Polarizabilities of shallow donors in inverse V-shaped quantum wells under laser field*  
**Burileanu L.M.**, Niculescu E.C., Eseau N., Radu A.  
Physica E, **41**, pp. 856-860, 2009
8. *Simultaneous effects of pressure and laser field on donors in GaAs/Ga<sub>1-x</sub>Al<sub>x</sub>As quantum wells*  
Eseau N., Niculescu E.C., **Burileanu L.M.**  
Physica E, **41**, pp. 1386-1392, 2009
9. *Intense field effects on hydrogenic impurities in quantum wells*  
Ecaterina C. Niculescu, **Liliana M. Burileanu**, Adrian Radu  
UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, **70**(4), pp. 21-24, 2008
10. *Density of impurity states of shallow donors in a quantum well under intense laser field*  
Niculescu E.C., **Burileanu L.M.**, Radu A.  
Superlattices and Microstructures, **44**(2), pp. 173-182, 2008
11. *Binding energy of a screened donor in a cylindrical quantum wire under applied magnetic fields*  
Niculescu E.C., **Burileanu L.**  
UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, **70**(2), pp. 55-62, 2008
12. *Intense laser radiation and magnetic field effects on the electronic states in quantum well wires*  
Niculescu E.C., **Burileanu L.**  
Journal of Optoelectronics and Advanced Materials, **9**(9), pp. 2713-2718, 2007
13. *Electric field effects on the exciton bound to an ionized donor in parabolic quantum wells*

- Niculescu E.C., **Burileanu L.**, Săndulescu I.  
Journal of Optoelectronics and Advanced Materials, 7(5), pp. 2775-2782, 2005
14. *Excitons in a narrow parabolic quantum well under external fields*  
Niculescu E.C., **Burileanu L.**  
Mod.Phys.Lett.B, 17(24), pp. 1253-1264, 2003
16. *Effects of laser field on the energy spectra in GaAs parabolic quantum wells*  
**Burileanu L.M.**, Niculescu E.C., Radu A.  
Proc. of SPIE, vol.7297, 72971U-1, 2009
17. *Shallow acceptors in a quantum well under intense laser fields*  
Radu A., Niculescu E.C., **Burileanu L.M.**  
Proc. of SPIE, vol.7297, 72971S-1, 2009

## C. CARTI

1. *Elemente de fizica stării solide*, **Liliana M. Burileanu** (format electronic)  
Platforma Moodle UPB, 2013 (<http://sim.curs.pub.ro/2013/>)
2. *Fizică generală* (vol.2), **Liliana M. Burileanu**  
Ed. POLITEHNICA PRESS, București, 2010
3. *Fizică generală* (vol.1), **Liliana M. Burileanu**  
Ed. POLITEHNICA PRESS, București, 2009
4. *Fizica I (Mecanica)*, E. Niculescu, **Liliana Burileanu**  
Ed. MATRIX ROM, București, 2007
5. *Fundamente de matematică și fizică în studiul chimiei*, C.Târcolea,  
**Liliana Burileanu**, R. Atășiei, A. Ducariu  
Ed. MEC, București, 2005

## D. CULEGERI SI INDRUMARE

1. *Culegere de probleme de Fizică*, R. Atășiei, **Liliana Burileanu**, M. Stafă, C. Ghizdeanu  
Ed. PRINTECH, București, 2008