

CURRICULUM VITAE

Nume si Prenume :

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- **Locul si data nasterii : Turnu Magurele , judetul Teleorman ; 1-07-1965**
- **Titluri stiintifice : Doctorat in Fizica Teoretica , Universitatea din Bucuresti, Facultatea de Fizica**
- **Pozitia actuala : Lector la Facultatea de Chimie , Universitatea din Bucuresti**
- **Domenii de competenta : Fizica atomica teoretica si computationala**

INTERACTIA SISTEMELOR ATOMICE CU CAMPURI ELECTROMAGNETICE INTENSE

CIOCNIRI REACTIVE ELECTRON-ION MOLECULAR

- **Cursuri tinute: Fizica Atomica si Nucleara, Fizica Cuantica**

Lista de lucrari:

- **" Low-frequency atomic stabilization and dichotomy in superintense laser fields: Full Floquet results", M. Stroe, I. Sambotin, M. Gavrilă, *Physical Review A*, 78, 033405, (2008) (factor impact 2.893 -2007)**

- "Low-frequency atomic stabilization and dichotomy in superintense laser fields from the high-intensity high-frequency Floquet theory ", M. Gavrilă, I. Sambotin, M. Stroe, *Physical Review A*, 78, 033404, (2008)
- "Comment on "Origin of light-induced states in intense laser fields and their observability in photoelectron spectra", M. Stroe, M. Boca, *Physical Review A*, 71, 017401(3), (2005) (factor impact 2.997)
- "Resonances and antibound states for the dressed one-dimensional delta-function potential", M. Boca, C. Chirila, M. Stroe and V. Florescu, *Physics Letters A*, 286, 410-417 (2001). (factor impact 1.220)
- "Dissociative excitation in electron collisions with HD⁺", M. Fîfirig and M. Stroe, *Physica Scripta*, 78, 065302,(2008) (factor impact 0.946 -2007)
- "Quasistationary Stabilization and Atomic Dichotomy in Superintense Low-Frequency Fields", I.Sambotin, M. Stroe and M. Gavrilă, *Laser Physics*, 14, 482-492,(2004) (factor impact 0.836)
- "The one-dimensional delta-function atom in a high frequency laser field", M.Stroe, M. Boca, V. Dinu and V. Florescu, *Laser Physics*, 13, 1149-1157, (2003) (factor impact 0.765)
- "Phase-and helicity-dependent effects in three-color ionization", M. Fîfirig and M. Stroe, *Central European Journal of Physics*, 2, 266-276, (2004).
- "Phase control in two-color multiphoton ionization of hydrogen", M. Fîfirig and M. Stroe, *Laser Physics*, 13, 810-815, (2003). (factor impact 0.765)
- "Asymmetries in two-photon ionization", M. Fîfirig and M. Stroe, *Laser Physics*, 12, 963-970, (2002). (factor impact 0.798)
- "Reactive collisions between electrons and molecular Hydrogen cation isotopomers: Cross Sections and Rate Coefficients for HD⁺ and DT⁺ ", M. Stroe, M. Fîfirig, F. Tamo, O. Motapon, O Crumeyrolle, G.Varin, A. Butel, P. Vervisch, A. Suzor-Weiner and I. Schneider, *Atomic and Plasma-Material Interaction Data for Fusion*, 14, 103, (2006)

- **"Quantum interferences of super-excited states: Application to electron-molecular cation reactive collisions", M. Stroe, A. Florescu, M. Fidirig, F. Tamo, V. Ngassam, O. Motapon and I. Schneider, *Rom.Rep.Phys.*, 57, 748-772, (2005)**
- **"The dressed states of an electron in the modified Poschl-Teller potential", M. Boca and M. Stroe, *Rom.Rep.Phys.*, 55, 355-364, (2003)**