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Trabalhos em revistas em 2008-2009:

- 1) M. Lino da Silva, V. Guerra, **J. Loureiro** and P. A. Sá, "Vibrational distributions in N<sub>2</sub> with an improved calculation of energy levels using the RKR method", *Chemical Physics* 348, 2008, pp.187-194.
- 2) J. T. Mendonça, R. Kaiser, H. Terças and **J. Loureiro**, "Collective oscillations in ultracold atomic gas", *Physical Review A* 78, 2008, 013408:1-8.
- 3) K. Kutasi, B. Saoudi, C. D. Pintassilgo, **J. Loureiro** and M. Moisan, "Modelling the low-pressure N<sub>2</sub>-O<sub>2</sub> plasma afterglow to determine the kinetic mechanisms controlling the UV emission intensity and its spatial distribution for achieving an efficient sterilization process", *Plasma Process and Polymers* 5(9), 2008, pp.840-852.
- 4) M. Lino da Silva, **J. Loureiro** and V. Guerra, "Nonequilibrium dissociation and recombination rates in nitrogen: From shock waves to discharge conditions", *Chemical Physics* 358, 2009, pp.123-131.
- 5) K. Kutasi, C. D. Pintassilgo and **J. Loureiro**, "An overview of modelling of low-pressure post-discharge systems used for plasma sterilization", *Journal of Physics Conference Series* 162, 2009, 012008:1-13.
- 6) M. Lino da Silva, V. Guerra and **J. Loureiro**, "A review of non-equilibrium dissociation rates and models for atmospheric entry studies", *Plasma Sources Science and Technology* 18, 2009, 034023:1- 11.
- 7) J. T. Mendonça, **J. Loureiro** and H. Terças, "Waves in Rydberg Plasmas", *Journal of Plasma Physics* 75(6), 2009, pp.713-719.
- 8) C. D. Pintassilgo and **J. Loureiro**, "Production of hydrocarbons and nitriles using a N<sub>2</sub>-CH<sub>4</sub> afterglow plasma for simulation of Titan's atmosphere", *Planetary and Space Science* 57, 2009.