

# Publications

## Articles dans des journaux à comité de lecture / Journal papers

1. Julien Salomon and Gabriel Turinici. A monotonic method for non-linear optimal control problems with concave dependence on the state. *International Journal of Control*, 84(3):551 – 562, 2011
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4. Ivan I. Maximov, Julien Salomon, Gabriel Turinici, and Niels Chr. Nielsen. A smoothing monotonic convergent optimal control algorithm for nuclear magnetic resonance pulse sequence design. *The Journal of Chemical Physics*, 132(8):084107, 2010
5. Gabriel Turinici and Herschel Rabitz. Multi-polarization quantum control of rotational motion through dipole coupling. *Journal of Physics A: Mathematical and Theoretical*, 43(10):105303 (11pp), 2010
6. A. Buffa, M. Maday, A.T. Patera, C. Prud'homme, and G. Turinici. A priori convergence of the greedy algorithm for the parametrized reduced basis. *M2AN*, 2010, accepted, in print
7. A. Lachapelle, J. Salomon, and G. Turinici. A monotonic algorithm for a mean field games model in economics. *Math. Mod. Meth. Appl. Sci.*, 5(20), 2010
8. Jean-Michel Coron, Andreea Grigoriu, Catalin Lifter, and Gabriel Turinici. Quantum control design by lyapunov trajectory tracking for dipole and polarizability coupling. *New Journal of Physics*, 11(10):105034 (22pp), 2009
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19. C. Le Bris, M. Mirrahimi, H. Rabitz, and G. Turinici. Hamiltonian identification for quantum systems : well posedness and numerical approaches. *ESAIM: COCV*, 13(2):378–395, 2007
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**Notes aux Comptes-Rendus de l’Académie des Sciences / CRAS  
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