

# Publications

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

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15. Tuen Wai Ng, Gabriel Turinici, and Antoine Danchin. A double epidemic model for the SARS propagation. *BMC Infectious Diseases*, 3:19, 2003
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18. Gabriel Turinici, Claude Le Bris, and Herschel Rabitz. Efficient algorithms for the laboratory discovery of optimal quantum controls. *Phys. Rev. E*, 70:016704, 2004. Virtual Journal of Ultrafast Science, issue of August 2004
19. Rong Wu, Herschel Rabitz, Gabriel Turinici, and Ignacio Sola. Connectivity analysis of controlled quantum systems. *Phys. Rev. A*, 70:052507, 2004
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**Actes de conférences, chapitres de livres, thèse / Conference proceedings, book chapters, thesis**

1. Gabriel Turinici. On the controllability of bilinear quantum systems. In M. DeFranceschi and C. Le Bris, editors, *Mathematical models and methods for ab initio Quantum Chemistry*, volume 74 of *Lecture Notes in Chemistry*. Springer, 2000
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3. Gabriel Turinici. *Analyse de méthodes numériques de simulation et contrôle en chimie quantique (Analysis of numerical simulation methods and control in quantum chemistry)*. PhD thesis, Univ. Paris VI, december 2000
4. C. Prud’homme, D.V. Rovas, K. Veroy, L. Machiels, Y. Maday, A.T. Patera, and G. Turinici. Reduced–basis output bound methods for parametrized partial differential equations. In *Proceedings SMA Symposium*, January 2002
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13. Gabriel Turinici. Simulations numériques et contrôle en chimie quantique (Numerical simulations and control in quantum chemistry). HDR, Univ. Paris VI, Dec. 2004
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## Notes aux Comptes-Rendus de l'Académie des Sciences / CRAS Notes

1. Yvon Maday and Gabriel Turinici. Analyse numérique de la méthode des variables adiabatiques pour l'approximation de l'hamiltonien nucléaire. (Numerical analysis of the adiabatic variable method for the approximation of the nuclear hamiltonian). *C. R. Acad. Sci., Paris, Sér. I, Math.*, 3:397–402, 1998
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3. Gabriel Turinici. Equivalence between local tracking procedures and monotonic algorithms in quantum control. Technical report, INRIA Rocquencourt, May 2005. RR-5564