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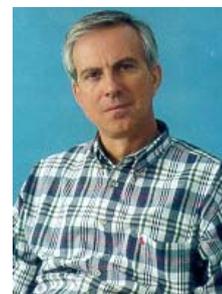
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### Αντιπροσωπευτικές δημοσιεύσεις

- [1] Vangelis Daskalakis, Stavros C. Farantos, and Constantinos Varotsis.  
Assigning vibrational spectra of ferryl-oxo intermediates of Cytochrome c Oxidase by periodic orbits and Molecular Dynamics.  
J. Am. Chem. Soc., 130(37):12385-12393, 2008.
- [2] Stavros C. Farantos, Reinhard Schinke, Hua Guo, and Marc Joyeux.  
Energy Localization in Molecules, Bifurcation Phenomena, and their Spectroscopic Signatures: The Global View.  
Chemical Reviews, 109(9), 4248-4271, 2009.
- [3] Jaime Suarez, Stavros C. Farantos, Stamatis Stamatidis, and Lucas Lathouwers.  
A method for solving the molecular Schroedinger Equation in Cartesian coordinates via angular momentum projection operators.  
Comp. Phys. Comm., 180:2025-2033, 2009.
- [4] Massimiliano Porrini, Vangelis Daskalakis, S. C. Farantos, and Constantinos Varotsis.  
Heme Cavity Dynamics of Photodissociated CO from ba3-Cytochrome c Oxidase: the Role of Ring-D Propionate.  
J. Phys. Chem. B, 113, 12129, 2009.
- [5] R. Schinke, J. Suarez, and S. C. Farantos.  
Photodissociation of N2O: Frustrated NN bond breaking causes diffuse vibrational structures.  
J. Chem. Phys. (Communication), 133, 091103, 2010.