

1. Papers in Refereed Journals

1. "A non-van der Waals minimum of the $\text{He}(^1\text{S}) + \text{H}_2(\text{B } ^1\Sigma_u^+)$ excited surface",
S.C. Farantos, G. Theodorakopoulos and C.A. Nicolaides,
Chem. Phys. Lett. 100, 263 (1983).
2. "Classical dynamics of the reaction of $\text{S}(^3\text{P})$ with $\text{O}_2(^3\Sigma_g^-)$ ",
J.N. Murrell, W. Craven and S.C. Farantos,
Mol. Phys. 49, 1077 (1983).
3. "Studies on the statistical behavior of Ar clusters: The Ar_4 case",
S.C. Farantos,
J. Phys. Chem. 87, 5061 (1983).
4. "Extended basis CNDO calculations of linear and non-linear electric susceptibilities of some molecular dianions and carbonions using coupled Hartree-Fock perturbation-theory",
J. Waite and M.G. Papadopoulos,
J. Comput. Chem. 4, 578 (1983).
5. "Probabilities for transition processes crucial to Li lasers",
G. Aspromallis, C.A. Nicolaides and D.R. Beck,
Phys. Rev. A 28, 1879 (1983).
6. "Lifetime and hyperfine structure of Li^- excited states",
D.R. Beck and C. A. Nicolaides,
Phys. Rev. A 28, 3112 (1983).
7. "Electric quadrupole transition-probabilities for the lowest 1d metastable state in Ca and Sr",
D.R. Beck and C.A. Nicolaides,
J. Phys. B 16, L627 (1983).
8. "Resonance scattering theory: Application to the broad $\text{He}^- 1s 2s 2p \ ^2P^o$ resonance",
Y. Komninos, G. Aspromallis and C.A. Nicolaides,
Phys. Rev. A 27, 1865 (1983).
9. "K-shell binding-energy of Be and its fluorescence yield",
C.A. Nicolaides, Y. Komninos and D.R. Beck,
Phys. Rev. A 27, 3044 (1983).
10. "Decay modes and lifetimes of doubly excited-states in He",
Y. Komninos and C.A. Nicolaides,
Phys. Scripta 28, 472 (1983).

11. "Hartree-Fock transition theory and multi-electron transitions in atoms and molecules",
C.A. Nicolaides,
Chem. Phys. Lett. 101, 435 (1983).
12. "Radiative autoionization - a proposal for the construction of short-wavelength lasers",
C.A. Nicolaides,
IEEE J. Quantum Electron. 19, 1781 (1983).
13. "Widths of autoionizing states of He from a variational calculation using complex coordinates",
C.A. Nicolaides and E. Adamides,
Phys. Rev. A 27, 1691 (1983).
14. "Theoretical autoionisation rates of the $1s2p^2\ ^2D$ and $1s2s2p\ ^2P^0$ states of Li",
C.A. Nicolaides and G. Aspromallis,
J. Phys. B 16, L251 (1983).
15. "Minima and maxima in the generalized oscillator-strengths for the lithium isoelectronic sequence",
S.N. Tiwary and C.A. Nicolaides,
Chem. Phys. Lett. 97, 283 (1983).
16. "Photoelectron spectroscopy of chemisorbed atoms",
C.A. Nicolaides and A.N. Andriotis,
Int. J. Quantum Chem. 23, 561 (1983).
17. "Some new conducting complexes of nickel",
G.C. Papavassiliou,
J. Phys. (Paris) 44, 1257 (1983).

2. Dissertations

a. PhD theses

1. "Electronic correlation and relativistic effects on atomic properties",
G. Aspromallis, supervisors D.R. Beck and C.A. Nicolaides, University of Athens (1983).