

1. Papers in Refereed Journals

1. "A method for the calculation of transition moments between electronic states of molecules using a different one-electron basis set for each state",
G. Theodorakopoulos, I.D. Petsalakis and C.A. Nicolaides,
Int. J. Quantum Chem. 29, 399 (1986).
2. "Differential cross sections and rainbows in helium-lithium hydride collisions",
A. Metropoulos,
J. Phys. Chem. 90, 715 (1986).
3. "Rotational rainbow curves of the helium-lithium monohydride and helium-nitrogen collision systems",
A. Metropoulos,
J. Phys. Chem. 90, 2288 (1986).
4. "Relativistic and Coulomb autoionization in low lying excited states of fluorine",
G. Aspromallis and C.A. Nicolaides,
J. Phys. B 19, L13 (1986).
5. "Relativistic autoionization of bound-states of negative-ions: Be⁻",
G. Aspromallis, C.A. Nicolaides and D.R. Beck,
J. Phys. B 19, 1713 (1986).
6. "Theory of Auger energies in free atoms - application to the alkaline earths",
D.R. Beck and C.A. Nicolaides,
Phys. Rev. A 33, 3885 (1986).
7. "Electronic structure and the mechanism of autoionization for doubly excited states",
Y. Komninos, N. Makri and C.A. Nicolaides,
Z. Phys. D 2, 105 (1986).
8. "The Wannier two-electron ionisation ladder in many electron systems: the He ¹P^o doubly excited states ",
Y. Komninos and C.A. Nicolaides,
J. Phys. B 19, 1701 (1986).
9. "Many-electron approach to atomic photoionization - Rydberg series of resonances and partial photoionization cross-sections in Helium, around the N = 2 threshold",
Y. Komninos and C.A. Nicolaides,
Phys. Rev. A 34, 1995 (1986).
10. "Mechanisms of configuration interaction in relativistic autoionisation: threshold

- phenomena and the $\text{Li } ^4\text{P}_j$ levels ",
C.A. Nicolaidis and G. Aspromallis,
J. Phys. B 19, L841 (1986).
11. "Quantum-mechanical ground-state of dysprosium trichloride hexahydrate",
E. Koutroumanou, A.K. Theophilou and S. Thanos,
Phys. Rev. B 34, 8009 (1986).
12. "Analytic approach to the equation of Esbjerg and Norskov",
A.N. Andriotis,
Phys. Rev. B 33, 1482 (1986).
13. "Pseudopotential approach to the embedding of Helium-atoms in metallic jellium",
A.N. Andriotis,
Solid State Commun. 59, 761 (1986).
14. "Theory of short-range order in binary metal alloys using the coherent potential approximation",
A.N. Andriotis and J.E. Lowther,
J. Phys. F 16, 1189 (1986).
15. "Optical-properties of Bis(Pyrazino)tetrathiafulvalene salts",
G.C. Papavassiliou, H.P. Geserich, S.Y. Yiannopoulos and J.S. Zambounis,
J. Mol. Struct. 143, 215 (1986).
16. "Pyrazinoethylenedithiotetrathiafulvalene - a new unsymmetrical π -Donor",
G.C. Papavassiliou, S.Y. Yiannopoulos and J.S. Zambounis,
J. Chem. Soc.- Chem. Commun. 820 (1986).
17. "Multi-sulfur π -donors and π -acceptors and a few of their charge transfer complexes",
G.C. Papavassiliou, J.S. Zambounis and S.Y. Yiannopoulos,
Physica B & C 143, 307 (1986).
18. "Nitrogen-containing tetrathiafulvalenes and a few of their charge-transfer complexes",
G.C. Papavassiliou, S.Y. Yiannopoulos and J.S. Zambounis,
Physica B & C 143, 310 (1986).
19. "Electrical properties of 3, 4, 5-tris (Alkylthio) -1, 2-dithiolium charge transfer complexes ",
G.C. Papavassiliou, J.S. Zambounis, A.E. Underhill, B. Kaye and H.P. Geserich,
Mol. Cryst. Liq. Cryst. 134, 53 (1986).
20. "Three dimensional conducting solids: $(\text{BPTTF})_2 \text{BF}_4$, $(\text{BPTTF})_3 (\text{ReO}_4)_2$, $(\text{BPTTF}) \text{ClO}_4$
[where BPTTF=bis (pyrazino) tetrathiafulvalene] and similar compounds",
A.E. Underhill, B. Kaye, G.C. Papavassiliou and S.Y. Yiannopoulos,
Mol. Cryst. Liq. Cryst. 134, 59 (1986).

21. "Structures of the conducting salts of bis(pyrazino)tetrathiafulvalene (BPTTF): $(BPTTF)_2BF_4$ and $(BPTTF)_2PF_6$ ",
A. Terzis, A. Hountas and G.C. Papavassiliou,
Acta Cryst. C 42, 1584 (1986).
22. "Bis[4,5-b]pyridino-1,1',3,3',-tetrathiafulvalene: Synthesis and charge transfer complexes",
G.C. Papavassiliou,
Chim. Chronika, New Series, 15, 161 (1986).
23. "A vibrational study of Lithium-sulfate based fast ionic conducting borate glasses",
E.I. Kamitsos, M.A. Karakassides and G.D. Chryssikos,
J. Phys. Chem. 90, 4528 (1986).
24. "Far-infrared spectra of magnesium sodium-borate glasses",
E.I. Kamitsos, M.A. Karakassides and G.D. Chryssikos,
Solid State Commun. 60, 885 (1986).
25. "Optical and vibrational properties and the crystal-structures of molecular-complexes - Biphenyl-TCNQ and P-Terphenyl-TCNQ",
E. I. Kamitsos, V.D. Mattera, W.T. Robinson and W.M. Risen,
J. Mol. Struct. 143, 211 (1986).
26. "Spectroscopic investigations of transformation phenomena exhibited by metal-TCNQ materials",
E.I. Kamitsos and W.M. Risen,
Mol. Cryst. Liq. Cryst. 134, 31 (1986).
27. "Electronic-spectra of AgTCNQ and CuTCNQ charge-transfer compounds",
E.I. Kamitsos, G.C. Papavassiliou and M.A. Karakassides,
Mol. Cryst. Liq. Cryst. 134, 43 (1986).
28. "Multiphoton dissociation ionization of benzene, pyridine, and diazabenzenes -detection of an atomic carbon transition",
A. Bolovinos, S. Spyrou, A.C. Cefalas, J.G. Philis and P. Tsekeris,
J. Chem. Phys. 85, 2335 (1986).
29. "Superfluorescent laser action around 495 nm in the blue-green band of the mercury trimer Hg_3 ",
A.C. Cefalas, C. Skordoulis and C.A. Nicolaidis,
Opt. Commun. 60, 49 (1986).

2. Papers in Proceedings of International and National Conferences

1. “Raman spectroscopic studies of oxide glasses”,
E.I. Kamitsos,
Proc. 4th Greek Conf. on Lasers & Applications, Rio, Patras, 1986, pp. 25-28 (in Greek).

3. Patents

1. “Processing of metallic charge-transfer salts”,
W.M. Risen, E.I. Kamitsos,
United States Patent 4,613,553 (1986).

4. Dissertations

a. Honors theses

1. “Design and construction of excimer’s laser re-circulating system”,
G. Bellos, supervisors A.C. Cefalas and G. Kourouklis, National Technical University of Athens,
(1986).