

1. Papers in Refereed Journals

1. "Theoretical calculations on radiative and nonradiative processes of quartet states of HeH",
I.D. Petsalakis and G. Theodorakopoulos,
Chem. Phys. 130, 211 (1989).
2. "MRD CI calculations on the radiative lifetime of the $a^2\Delta$ state of CH",
G. Theodorakopoulos, I.D. Petsalakis, R.J. Buenker and M. Honigmann,
Chem. Phys. 137, 137 (1989).
3. "An estimate of the lifetime of excited tetrahydrogen",
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4. "Theoretical calculations on the ground electronic state of HeNe⁺",
I.D. Petsalakis, G. Theodorakopoulos and V.J. Barclay,
Chem. Phys. Lett. 160, 189 (1989).
5. "On the diabaticity of He₂⁺",
A. Metropoulos,
Z. Naturforsch. A 44, 683 (1989).
6. "Structure and vibrational analysis of protonated hydrogen peroxide",
P. Valtazanos, E.D. Simandiras and C.A. Nicolaides,
Chem. Phys. Lett. 156, 240 (1989).
7. "Energy generation from volcanic ground-states. Application to cold He₂²⁺",
C.A. Nicolaides,
Chem. Phys. Lett. 161, 547 (1989).
8. "Bound excited states of atomic negative ions",
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9. "Chemically bound excited clusters",
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J. Mol. Struct. - Theochem. 202, 285 (1989).
10. "Li⁻ resonances: The two-electron ionization ladder of ¹S symmetry",
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Phys. Rev. A 39, 1523 (1989).

11. "Multiphoton ionization of negative ions in the presence of a DC field - application to Li",
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13. "The slowly convergent s-d perturbation-series for hydrogen in a magnetic-field",
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14. "Accurate eigenvalues of three- through ten-electron atomic isoelectronic sequences from low-order Z-dependent perturbation theory combined with variational constraints and screening",
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15. "Comparison of the electron momentum and two-photon momentum distributions in titanium and zirconium dihydrides",
N.C. Bacalis, N.I. Papanicolaou and D.A. Papaconstantopoulos,
Z. Phys. Chem. 163, 555 (1989).
16. "4,5-Bis(methylthio)-4',5'-Bis(alkylthio)tetrathiafulvalenes",
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17. "Methylenediselenotetrathiafulvalene and similar unsymmetrical π -donors",
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Chem. Scripta 29, 123 (1989).
18. "Structure of the conducting salt of pyrazinoethylenedithiotetrathiafulvalene (PEDTTTF)
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21. "Effect of melt temperature on glass structure",
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22. "Far infrared and Raman studies of sodium-ion conducting glasses",
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23. "Dielectric spectra of ionic conducting oxide glasses to 2 GHz",
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24. "Modifying role of alkali-metal cations in borate glass networks",
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25. "Spectroscopic study of carbonate retention in high-basicity borate glasses",
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26. "Raman and far-infrared reflectance investigation of microcrystal orientation in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductors",
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2. "A Raman structural study of crystalline and amorphous caesium metaborate", E.I. Kamitsos, M.A. Karakassides, A.P. Patsis and G.D. Chryssikos,
Proc. 7th Greek Conf. on Lasers and Applications, Athens, 1989, pp. 51-54 (in Greek).
3. "Spectroscopic study of $\text{Bi}_4\text{Sr}_{2.5}\text{Ca}_{2.5}\text{Cu}_4\text{O}_x$ superconductors",
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6. “Conducting and superconducting salts based on MDTTTF, EDTTF, VDTTTF, EDTSDTF, MDSTTF, BMDTTTF, Pd(dmit)₂ and Ni(dcit)₂”,
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7. “New conducting solids based on some symmetrical and unsymmetrical π -donors”,
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8. “Design and synthesis of polyheterotetraheterafulvalenes, metal 1,2-diheterolenes and
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G.C. Papavassiliou,
(PLENARY PAPER), in proc. NATO ASI on “Low-dim. Systems and mol. Electronics”,
Spetses 12-23 June 1989, Ed. R. Metzger et al, Plenum B248, 143 (1990).

3. Book Chapters

1. “Cluster Bethe lattice approach to chemically disordered alloys with short range order”
A.N. Andriotis and J.E. Lowther,
in "Alloy Phase Stability", G.M. Stocks and A. Gonis (Eds.), NATO-ASI Series E, (1989) vol.
163, p. 357.