

1. Papers in Refereed Journals

1. "Ab initio multichannel quantum defects for the 1A_1 Rydberg states of H_2O ",
I.D. Petsalakis, G. Theodorakopoulos and M.S. Child,
J. Phys. B 28, 5179 (1995).
2. "Theoretical study of the electronic and geometrical structure of the ground and low-lying states of NCl_2 , PCl_2 , NCl , and PCl radicals",
A. Papakondylis, A. Mavridis and A. Metropoulos,
J. Phys. Chem. 99, 10759 (1995).
3. "Toward the understanding of He_2^- excited-states",
N.C. Bacalis, Y. Komninos and C.A. Nicolaides,
Chem. Phys. Lett. 240, 172 (1995).
4. "High-order harmonic-generation and above-threshold ionization in H^- calculations using expansions over field-free state-specific wave-functions",
S. Dionissopoulou, T. Mercouris, A. Lyras, Y. Komninos and C.A. Nicolaides,
Phys. Rev. A 51, 3104 (1995).
5. "Theory and computation of perturbed spectra: application to the $Al\ ^2D$ relativistic spectrum",
Y. Komninos, G. Aspromallis and C.A. Nicolaides,
J. Phys. B 28, 2049 (1995).
6. "Electron correlation in the Auger-spectra of the $Ne^+ K\ 2s2p^5(^3,^1P^0)3p^2S$ satellites",
C. Sinanis, G. Aspromallis and C.A. Nicolaides,
J. Phys. B 28, L423 (1995).
7. "Asymmetry parameter and total cross-section for the photodetachment of the metastable $Be^- 1s^22s2p^2\ ^4P$ state",
C. Sinanis, Y. Komninos and C.A. Nicolaides,
Phys. Rev. A 51, R2672 (1995).
8. "Energies, widths and l-dependence of the H- 3P and He- 4P TEIL states",
S.I. Themelis and C.A. Nicolaides,
J Phys. B 28, L379 (1995).
9. "Field-induced tunneling rates, polarizabilities, and hyperpolarizabilities for low-lying excited states of Li and Na",
S.I. Themelis and C.A. Nicolaides,
Phys. Rev. A 51, 2801 (1995).

10. "Dipole polarizabilities and hyperpolarizabilities of excited valence states of Be",
S.I. Themelis and C.A. Nicolaides,
Phys. Rev. A 52, 2439 (1995).
11. "Predissociation of the $A^2\Sigma^+$, $C^2\Sigma^+$ and $D^2\Sigma^+$ levels of ^4HeH from a multistate close-coupling scattering approach",
A. Vegiri and C.A. Nicolaides,
J. Phys. B 28, 2927 (1995).
12. "Energies and widths of triply excited $N=2$ intrashell autoionizing states of He",
M. Bylicki and C.A. Nicolaides,
Phys. Rev. A 51, 204 (1995).
13. "High-order above-threshold ionization spectrum of hydrogen and photoelectron angular-distributions",
S. Dionissopoulou, A. Lyras, T. Mercouris and C.A. Nicolaides,
J. Phys. B 28, L109 (1995).
14. "Quantum signatures of chaos in integrable systems",
V. Constantoudis and N. Theodorakopoulos,
J. Phys. A 28, 5701 (1995).
15. "Nontopological thermal solitons in isotropic ferromagnetic lattices",
N. Theodorakopoulos,
Phys. Rev. B 52, 9507 (1995).
16. "Conducting and superconducting salts based on BEDTTF and on some unsymmetrical tetrachalcogenafulvalenes",
G.C. Papavassiliou, D.J. Lagouvardos, A. Terzis, C.P. Raptopoulou, B. Hilti, W. Hofherr, J.S. Zambounis, G. Rihs, J. Pfeiffer, P. Delhaes, K. Murata, N.A. Fortune and N. Shirakawa,
Synth. Met. 70, 787 (1995).
17. "Structural, optical and related properties of some natural 3-dimensional and lower-dimensional semiconductor systems",
G.C. Papavassiliou and I.B. Koutselas,
Synth. Met. 71, 1713 (1995).
18. "Preparation and characterization of $(\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{NH}_3)_4\text{BiI}_7\cdot\text{H}_2\text{O}$, $(\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{NH}_3)_3\text{BiBr}_6$ and $(\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{NH}_3)_3\text{BiCl}_6$ ",
G.C. Papavassiliou, I.B. Koutselas, A. Terzis and C.P. Raptopoulou,
Z. Naturforsch. B 50, 1566 (1995).
19. "Resonance Raman and infrared studies of the organic superconductor κ -(MDT-TTF) $_2\text{AuI}_2$ in the normal state",
J.S. Zambounis, A.P. Patsis, E.I. Kamitsos, C.W. Mayer and G.C. Papavassiliou,

J. Raman Spect. 26, 9 (1995).

20. "Structural and physical properties of the organic metal τ -(P-(S,S)-DMEDT-TTF)₂(AuBr₂)₁(AuBr₂)_{-0.75}",
J.S. Zambounis, J. Pfeiffer, G.C. Papavassiliou, D.J. Lagouvardos, A. Terzis, C.P. Raptopoulou, P. Delhaes, L. Ducasse, N.A. Fortune and K. Murata,
Solid State Commun. 95, 211 (1995).
21. "X-ray diffraction and infrared investigation of RBa₂Cu₃O₇ and R_{0.5}Pr_{0.5}Ba₂Cu₃O₇ compounds (R=Y and lanthanides)",
G.D. Chryssikos, E.I. Kamitsos, J.A. Kapoutsis, A.P. Patsis, V. Psycharis, A. Koufoudakis, C. Mitros, G. Kallias, E. Gamariseale and D. Niarchos,
Physica C 254, 44 (1995).
22. "A structural assessment of glass-formation in alkali borates: Melt quenching versus gel drying",
G.D. Chryssikos, A.P. Patsis, E.I. Kamitsos, J.A. Kapoutsis, M.A. Karakassides, C. Trapalis, E. Mylonas and G. Kordas,
J. Mat. Sci. Lett. 14, 268 (1995).
23. "Chemical bonding analysis of alkali oxide glass systems - charges on metal-ions",
J.A. Duffy, G.D. Chryssikos and E.I. Kamitsos,
Phys. Chem. Glasses 36, 53 (1995).
24. "Infrared study of AgI containing superionic glasses",
E.I. Kamitsos, J.A. Kapoutsis, G.D. Chryssikos, J.M. Hutchinson, A.J. Pappin, M.D. Ingram and J.A. Duffy,
Phys. Chem. Glasses 36, 141 (1995).
25. "Effects of pressure and pressure revitrification on the structure and properties of superionic silver iodomolybdate glasses",
A.J. Pappin, M.D. Ingram, J.M. Hutchinson, G.D. Chryssikos and E.I. Kamitsos,
Phys. Chem. Glasses 36, 164 (1995).
26. "Spectroscopic studies of Manduca-Sexta and Sesamia Nonagrioides chorion protein-structure",
C.C. Orfanidou, S.J. Hamodrakas, G.D. Chryssikos, E.I. Kamitsos, S.E. Wellman and S.T. Case,
Int. J. Biol. Macromolecules 17, 93 (1995).
27. "Vacuum-ultraviolet interconfigurational 4f³ → 4f²5d absorption and emission studies of the Nd³⁺ ion in KYF, YF, and YLF crystal hosts",
Z. Kollia, E. Sarantopoulou, A.C. Cefalas, C.A. Nicolaidis, A.K. Naumov, V.V. Semashko, R.Y. Abdulsabirov, S.L. Korableva and M.A. Dubinskii,
J. Opt. Soc. Am. B 12, 782 (1995).

2. Papers in Proceedings of International and National Conferences

1. “Some natural three- and lower-dimensional semiconductor systems with metal-halide units”,
G.C. Papavassiliou, I.B. Koutselas, A. Terzis and C.P. Raptopoulou,
Mat. Res. Soc. Symp. Proc. 358, 283 (1995), (Boston, MRS).