

American Physical Society -- Contributed Talks

Paul M. Grant

August 3rd, 1990

1. "Determination of the Optical Constants of Semiconductor Thin Films from Photometric Measurements," P. M. Grant, Bull. Am. Phys. Soc. **10**, 546 (Washington, 26-29 April 1965).
2. "Optical Properties of Thin Germanium Films in the Wavelength Range 2000-6000 Angstroms," P. M. Grant, Bull. Am. Phys. Soc. **10**, 1185 (Los Angeles, 20-22 December 1965).
3. "Photoconductivity in Gadolinium Garnets," P. M. Grant and W. Ruppel, Bull. Am. Phys. Soc. **12**, 317 (Chicago, 27-30 March 1967).
4. "Optical Properties of Chromium Trihalides in the Region 1-11 eV," P. M. Grant and G. B. Street, Bull. Am. Phys. Soc. **13**, 415 (Berkeley, 18-21 March 1968).
5. "Reflectivity and Band Structure of EuO," P. M. Grant and J. C. Suits, Bull. Am. Phys. Soc. **14**, 431 (Philadelphia, 24-27 March 1969).
6. "Electronic Structure of Disordered Solids and Almost Periodic Functions," P. M. Grant, Bull. Am. Phys. Soc. **18**, 333 (San Diego, 19-22 March 1973).
7. "Electronic Structure of Two Coupled Parallel Conducting Chains," P. M. Grant, Bull. Am. Phys. Soc. **18**, 1577 (Berkeley, 27-29 December 1973).
8. "Reflectance of Conducting TCNQ Salts," G. C. Wrighton, P. M. Grant, R. L. Greene and G. Castro, Bull. Am. Phys. Soc. **18**, 1578 (Berkeley, 27-29 December 1973).
9. "Optical Properties of $(\text{SN})_x$ Films," G. B. Street, P. M. Grant and R. L. Greene, Bull. Am. Phys. Soc. **20**, 360 (Denver, 31 March-3 April 1975).
10. "Low Temperature Specific Heat Of Polysulfur Nitride, $(\text{SN})_x$," J. M. E. Harper, P. M. Grant, G. B. Street and R. L. Greene, Bull. Am. Phys. Soc. **20**, 360 (Denver, 31 March-3 April 1975).
11. "Vibronic Structure in the Reflection Spectrum of the TCNQ⁰ Crystal," J. M. Turlet, P. Grant and M. R. Philpott, Bull. Am. Phys. Soc. **20**, 414 (Denver, 31 March-3 April 1975).
12. "Polarized Reflectance at Oblique Incidence on Single Crystal (TTF)(TCNQ) in the Range 3000-50000 Angstroms," P. M. Grant, R. L. Greene and G. Castro, Bull. Am. Phys. Soc. **20**, 496 (Denver, 31 March-3 April 1975).
13. "Near Infrared Optical Properties of (TSeF)(TCNQ)," B. Welber, E. M. Engler and P. M. Grant, Bull. Am. Phys. Soc. **21**, 74 (New York, 2-5 February 1976).
14. "UPS Photoemission Properties of $(\text{SN})_x$," P. Mengel, W. D. Grobman, I. B. Ortenburger, P. M. Grant and B. H. Schechtman, Bull. Am. Phys. Soc. **21**, 254 (Atlanta, 29 March-1 April 1976).
15. "Thermoreflectance of Organic and Polymeric Metals," P. M. Grant, P. Mengel, E. M. Engler G. Castro and G. B. Street, Bull. Am. Phys. Soc. **21**, 254 (Atlanta, 29 March-1 April 1976).
16. "Calculated Optical Properties of $(\text{SN})_x$," I. B. Ortenburger, W. E. Rudge and P. M. Grant, Bull. Am. Phys. Soc. **21**, 254 (Atlanta, 29 March-1 April 1976).
17. "Pressure Dependence of the Optical Reflectance of TTF-TCNQ and TSeF-TCNQ," B. Welber, E. M. Engler, P. M. Grant and P. E. Seiden, Bull. Am. Phys. Soc. **21**, 311 (Atlanta, 29 March-1 April 1976).
18. "Optical Properties and Band Structure of (TSeF)(TCNQ) Compared to (TTF)(TCNQ)," B. Welber, P. M. Grant, P. E. Seiden and E. M. Engler, Bull. Am. Phys. Soc. **22**, 287 (San Diego, 21-24 March 1977).
19. "Pressure Dependence of the Drude Edge in Crystalline $(\text{SN})_x$," P. M. Grant and B. Welber, Bull. Am. Phys. Soc. **22**, 372 (San Diego, 21-24 March 1977).

20. **"Modification of the Electronic Properties of $(\text{SN})_x$ by Halogens,"** W. D. Gill, G. B. Street, R. H. Geiss, R. L. Greene, P. M. Grant, J. J. Mayerle and W. Bludau, *Bull. Am. Phys. Soc.* **22**, Paper EJ12 (San Diego, 21-24 March 1977).
21. **"EXAFS Studies of AsF_5 in Polyacetylene $(\text{CH})_x$,"** T. C. Clarke, W. D. Gill, P. M. Grant, H. Morawitz and G. B. Street, *Bull. Am. Phys. Soc.* **23**, 304 (Washington, 27-30 March 1978).
22. **"Optical Properties of Doped Polyacetylene,"** W. Bludau, T. C. Clarke, P. M. Grant and G. B. Street, *Bull. Am. Phys. Soc.* **23**, 304 (Washington, 27-30 March 1978).
23. **"Band Structure of Polyacetylene,"** P. M. Grant, *Bull. Am. Phys. Soc.* **23**, 305 (Washington, 27-30 March 1978).
24. **"Temperature Dependence of the Drude-Lorentz Parameters of $(\text{TSeF})(\text{TCNQ})$,"** W. Bludau, P. M. Grant and P. E. Seiden, *Bull. Am. Phys. Soc.* **23**, 382 (Washington, 27-30 March 1978).
25. **"X-Ray Absorption Edge Studies in HMTSeF , $(\text{HMTSeF})(\text{TCNQ})$ and $(\text{HMTSeF})(\text{TCNQF}_4)$,"** P. M. Grant, W. D. Gill, H. Morawitz, K. Bechgaard and D. L. Sayers, *Bull. Am. Phys. Soc.* **24**, 233 (Chicago, 19-23 March 1979).
26. **"Optical Transitions in $\text{Trans}-(\text{CH})_x$,"** P. M. Grant, *Bull. Am. Phys. Soc.* **24**, 327 (Chicago, 19-23 March 1979).
27. **"Photoconductivity and Junction Properties of Polyacetylene Films,"** T. Tani, W. D. Gill, P. M. Grant, T. C. Clarke and G. B. Street, *Bull. Am. Phys. Soc.* **24**, 327 (Chicago, 19-23 March 1979).
28. **"Junction and Dielectric Characteristics of $(\text{CH})_x$,"** W. D. Gill, P. M. Grant, J. Marek, T. Tani, T. C. Clarke and G. B. Street, *Bull. Am. Phys. Soc.* **25**, 162 (New York, 24-28 March 1980).
29. **"Electronic Structure of $(\text{TMTSF})_2\text{PF}_6$,"** P. M. Grant, *Bull. Am. Phys. Soc.* **26**, 213 (Phoenix, 16-20 March 1981).
30. **"Self-Consistent Crystal Potential and Band Structure of 3D $\text{trans}-(\text{CH})_x$,"** P. M. Grant and I. P. Batra, *Bull. Am. Phys. Soc.* **28**, 321 (Los Angeles, 21-25 March 1983).
31. **"Monte Carlo Studies of the Quantum XXZ Model in Two Dimensions,"** E. Loh, Jr., D. J. Scalapino and P. M. Grant, *Bull. Am. Phys. Soc.* **29**, 219 (Detroit, 26-30 March 1984).
32. **"Effect of Impurities and Disorder on 1D Spinless Fermions,"** P. M. Grant, *Bull. Am. Phys. Soc.* **29**, 341 (Detroit, 26-30 March 1984).
33. **"Band Structure Parameters of BEDT-TTF Charge Transfer Salts,"** P. M. Grant, *Bull. Am. Phys. Soc.* **29**, 378 (Detroit, 26-30 March 1984).
34. **"Random Exchange Effects in Antiferromagnetic Quantum Spin Chains: A Monte Carlo Study,"** H.-B. Schuttler, D. J. Scalapino and P. M. Grant, *Bull. Am. Phys. Soc.* **31**, 484 (Las Vegas, 31 March - 4 April 1986).
35. **"Preparation and Properties of $\text{YBa}_2\text{Cu}_3\text{O}_{9-x}$ Samples with Precisely Controlled Oxygen Arrangements,"** R. Beyers, E. M. Engler, P. M. Grant, S. S. P. Parkin, S. La Placa, G. Lim, M. L. Ramirez, J. E. Vazquez, V. Y. Lee, R. D. Jacowitz, B. T. Ahn, T. M. Gur and R. A. Huggins, *Bull. Am. Phys. Soc.* **33**, 609 (New Orleans, 21-25 March 1988).
36. **"Effect of Oxygen Content and Disorder on the Superconducting Properties of $\text{YBa}_2\text{Cu}_3\text{O}_7$ and Its Rare Earth Derivatives,"** E. M. Engler, V. Y. Lee, S. S. P. Parkin, K. Roche, R. Jacowitz, M. Ramirez, P. M. Grant, R. Beyers and G. Lim, *Bull. Am. Phys. Soc.* **33**, 609 (New Orleans, 21-25 March 1988).
37. **"Electronic Properties of 'n-type' High Temperature Superconductors as a Function of Synthesis and Processing,"** P. M. Grant, M. E. López-Morales and R. J. Savoy, *Bull. Am. Phys. Soc.* **35**, 583 (Anaheim, 12-16 March 1990).
38. **"Control of Oxygen Deficiency in the Electron Superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4-y}$ by a Solid State Technique,"** M. E. López-Morales, B. T. Ahn, R. B. Beyers and P. M. Grant, *Bull. Am. Phys. Soc.* **35**, 788 (Anaheim, 12-16 March 1990).