

Arthur J. Epstein

Contributed Presentations

1. A.J. Epstein, A.F. Garito, and A.J. Heeger, *Observation of Metal-Insulator Transition in an Organic Solid*, **American Physical Society Meeting**, Washington, DC, 26-29 April 1971. [Bulletin of the American Physical Society 16, 636 (1971)].
2. A.J. Epstein, *One-Dimensional Systems: Square Planar Transition Metal Complexes Based on Maleonitriledithiolate*, **One-Dimensional Physics Workshop, Montana State University**, Bozeman, Montana, 30 July 1973.
3. P. Nielsen, A.J. Epstein, D.J. Sandman, and N.O. Lipari, *Photoemission Measurements of TCNQ, TCNQ Complexes, and TCNQ Salts*, **American Physical Society 1974 March Meeting**, Philadelphia, Pennsylvania, 25-28 March 1974. [Bulletin of the American Physical Society 19, 295 (1974)].
4. A.J. Epstein, P. Nielsen, N.O. Lipari, and D.J. Sandman, *Relationship of Photoemission Densities of States to the Molecular and Energy Band Structure of Narrow Band Organic Materials*, **American Physical Society 1974 March Meeting**, Philadelphia, Pennsylvania, 25-28 March 1974 [Bulletin of the American Physical Society 19, 295 (1974)].
5. A.J. Epstein, N.O. Lipari, D.J. Sandman, and P. Nielsen, *Madelung Energy Charge Transfer and Crystal Binding of an Organic Salt*, **American Physical Society 1975 March Meeting**, Denver, Colorado, 31 March-3 April 1975. [Bulletin of the American Physical Society 20, 465 (1975)].
6. P. Nielsen, D.J. Sandman, and A.J. Epstein, *Attenuation Lengths and Charge Transfer in Multi-Layer TTF and TCNQ Films*, **American Physical Society 1975 March Meeting**, Denver, Colorado, 31 March-3 April 1975 [Bulletin of the American Physical Society 20, 465 (1975)].
7. J.J. Ritsko, D.J. Sandman, and A.J. Epstein, *Direct Measurement of One-Dimensional Plasmon Dispersion*, **American Physical Society 1975 March Meeting**, Denver, Colorado, 31 March-3 April 1975 [Bulletin of the American Physical Society 20, 465 (1975)].
8. D.J. Sandman, G.P. Caesar, P. Nielsen, A.J. Epstein, and T.J. Holmes, *Some Chemical and Physical Properties of Naphthalene-1-8,-disulfide*, **Tenth Middle Atlantic Regional Meeting of the American Chemical Society**, Philadelphia, Pennsylvania, 25 February 1976.
9. P. Nielsen, N.O. Lipari, J.J. Ritsko, A.J. Epstein, and D.J. Sandman, *The Electronic Structure of TCNQ*, **American Physical Society 1975 March Meeting**, Philadelphia, Pennsylvania, 25-28 March 1975.

- Meeting**, Atlanta, Georgia, 29 March-1 April 1976 [Bulletin of the American Physical Society 21, 228 (1976)].
10. A.J. Epstein, W.R. Salaneck, N.O. Lipari, and J.W-p. Lin, *XPS Core-Level Spectroscopy Charge Transfer and Electrostatic Interactions in (SN)_x and Other SN Allotropes*, **American Physical Society 1976 March Meeting**, Atlanta, Georgia, 29 March-1 April 1976. [Bulletin of the American Physical Society 21, 254 (1976)].
 11. D.J. Sandman, A.J. Epstein, and J.S. Chikos, *Intermolecular van der Waals Interactions in the Organosulfur Donors of Organic Metals*, **172nd National Meeting of the American Chemical Society**, San Francisco, California, 29 August-3 September 1976 [Abstracts of Papers Phys 88].
 12. E.M. Conwell and A.J. Epstein, *Mobility in (NMP) (TCNQ)*, **American Physical Society 1977 March Meeting**, San Diego, California, 21-24 March 1977 [Bulletin of the American Physical Society 22, 423 (1977)].
 13. A.J. Epstein and J.S. Miller, *Electrical Conductivity of Quasi-One-Dimensional Cation Deficient Tetracyanoplatinates*, **American Physical Society 1977 March Meeting**, San Diego, California, 21-24 March 1977 [Bulletin of the American Physical Society 22, 453 (1977)].
 14. L.H. Greene, D.B. Tanner, A.J. Epstein, and J.S. Miller, *Polarized Reflectance of K_{1.75}Pt(CN)₄1.5 H₂O*, **American Physical Society 1974 March Meeting**, San Diego, California, 21-24 March 1977 [Bulletin of the American Physical Society 22, 453 (1977)].
 15. D.J. Sandman, A.J. Epstein, T.J. Holmes, and A.P. Fisher, III, *A New Class of Highly Conducting Ion-Radical Salts*, **173rd National Meeting of the American Chemical Society**, New Orleans, Louisiana, 20-25 March 1977 [Abstract Papers ORGN 53].
 16. M.A. Abkowitz, J.W. Brill, P.M. Chaikin, A.J. Epstein, M.F. Croix, C.H. Griffiths, W. Gunning, A.J. Heeger, W.A. Little, J.S. Miller, M. Novotny, D. Tanner, and M.L. Slade, *The Chemical and Physical Properties of HN(CH₃)₃(I)(TCNQ)*, **New York Academy of Sciences' Conference on Synthesis and Properties of Low-Dimensional Materials**, New York, New York, 13-16 June 1977.
 17. D.J. Sandman, A.P. Fisher, III, T.J. Holmes, and A.J. Epstein, *Synthesis of Organic n-Donor, 1,3-Dithiole-2(4'-Thiopyran) Conducting Salts with TCNQ*, **174th National Meeting of the American Chemical Society**, Chicago, Illinois, 29 August-2 September 1977 [Abstracts Papers ORGN 80].
 18. M.P. O'Horo and A.J. Epstein, *Magnetic Properties of a Superpara-magnetic, Ferrite Precipitate in an Oxide Glass Matrix*, **American Physical Society 1978**

- March Meeting**, Washington, DC, 27-30 March 1978 [Bulletin of the American Physical Society 23, 333 (1978)].
19. J.P. Pouget, S. Megtert, R. Comes, and A.J. Epstein, *X-ray Observation of $4K_F$ Scattering in $NMP-TCNQ$* , **American Physical Society 1978 March Meeting**, Washington, DC, 27-30 March 1978 [Bulletin of the American Physical Society 23, 380 (1978)].
 20. A.J. Epstein and J.S. Miller, *Magnetic Properties as a Function of Band Filling: $(NMP)_x(Phen)_{1-x}(TCNQ)$, $0.5 \leq x \leq 1.0$* , **American Physical Society 1978 March Meeting**, Washington, DC, 27-30 March 1978 [Bulletin of the American Physical Society 23, 380 (1978)].
 21. J.E. Deis, D.B. Tanner, A.J. Epstein, and J.S. Miller, *Optical Properties of the Semiconducting Metal-like Compound (NMe_3H) (I) $(TCNQ)$* , **American Physical Society 1978 March Meeting**, Washington, DC, 27-30 March 1978 [Bulletin of the American Physical Society 23, 382 (1978)].
 22. P.M. Chaikin, A.J. Epstein, and J.S. Miller, *Optical Properties of the Semiconducting Metal-like Compound (NMe_3H) (I) $(TCNQ)$* , **American Physical Society 1978 March Meeting**, Washington, DC, 27-30 March 1978 [Bulletin of the American Physical Society 23, 382 (1978)].
 23. A.J. Epstein, J.S. Miller, and P.M. Chaikin, *Thermoelectric Properties as a Function of Band Filling: $(NMP)_x(Phen)_{1-x}(TCNQ)$, $0.5 \leq x \leq 1.0$* , **American Physical Society 1978 March Meeting**, Washington, DC, 27-30 March 1978 [Bulletin of the American Physical Society 23, 382 (1978)].
 24. W.J. Gunning, A.J. Heeger, and A.J. Epstein, *Magnetic Susceptibility of Irradiated (TTF) $(TCNQ)$* , **American Physical Society 1978 March Meeting**, Washington, DC, 27-30 March 1978 [Bulletin of the American Physical Society 23, 423 (1978)].
 25. A.J. Epstein and J.S. Miller, *Band Filling and Disorder in Molecular Conductors*, **Gordon Research Conference on Electron Donor Acceptor Interactions**, Wolfboro, New Hampshire, 13 August 1978.
 26. P.M. Chaikin, P. Coppens, P.R. van Tilbourg, J.E. Deis, D.B. Tanner, A.J. Epstein, and J.S. Miller, *The Physical and Chemical Properties of the Reaction between Trimethylammonium Iodide and $TCNQ$. A Ternary 1-D Semiconductor with "Metal-like" Conductivity*, **International Conference on Quasi-One-Dimensional Conductors**, Dubrovnik, Yugoslavia, 4-8 September 1978 [Paper 8.7].
 27. E.M. Conwell, A.J. Epstein, and M.J. Rice, *Large U Model of 1:2 $TCNQ$ Salts*, **International Conference on Quasi-One-Dimensional Conductors**, Dubrovnik, Yugoslavia, 4-8 September 1978 [Paper 2.23].

28. P.M. Chaikin, A.J. Epstein, and J.S. Miller, *Transport Properties of One-Quarter Filled Band TCNQ Compounds: (NMP) (TCNQ)₂*, **International Conference on Quasi-One-Dimensional Conductors**, Dubrovnik, Yugoslavia, 4-8 September 1978 [Paper 2.18].
29. J. Hammann, W.G. Clark, A.J. Epstein, and J.S. Miller, *Low-Temperature Magnetic-Susceptibility of the Organic Alloy (NMP)_{0.63} (Phenazine)_{0.37} (TCNQ)*, **International Conference on Quasi-One-Dimensional Conductors**, Dubrovnik, Yugoslavia, 4-8 September 1978 [Paper 7.14].
30. S.R. Wilson, P.J. Corvan, R. Seiders, D.J. Hodgson, M.S. Brookhart, W.E. Hatfield, J.S. Miller, A.H. Reis, P.K. Rogan, E. Gebert, and A.J. Epstein, *The Structure, Magnetic, and Electrical Conductivity Properties of 1,1-Dimethylferrocenium Bis(tetracyanoquinodimethane) [(CH₃C₅H₄)₂Fe]-[TCNQ]₂*, **NATO Advanced Research Institute on Molecular Metals**, Les Arcs, France, 10-16 September 1978 [Paper P-46].
31. B.A. Weinstein, M.L. Slade, A.J. Epstein, and J.S. Miller, *Optical Properties as a Function of Band Filling: (NMP)_x(Phen)_{1-x}(TCNQ), 0.5 ≤ x ≤ 1.0*, **American Physical Society 1979 March Meeting**, Chicago, Illinois, 19-23 March 1979 [Bulletin of the American Physical Society 24, 233 (1979)].
32. A.P. Troup, A.J. Epstein, and J.S. Miller, *Electron Spin Resonance Properties as a Function of Band Filling: (NMP)_x(Phen)_{1-x}(TCNQ), 0.5 ≤ x ≤ 1.0*, **American Physical Society 1979 March Meeting**, Chicago, Illinois, 19-23 March 1979 [Bulletin of the American Physical Society 24, 233 (1979)].
33. A.J. Epstein and J.S. Miller, *Magnetic Susceptibility Studies in a System with Varying Disorder and Charge Transfer: (NMP)_x(Phen)_{1-x}(TCNQ), 0.5 ≤ x ≤ 1.0*, **American Physical Society 1979 March Meeting**, Chicago, Illinois, 19-23 March 1979 [Bulletin of the American Physical Society 24, 233 (1979)].
34. D.A. Glocker, A.J. Epstein, and J.S. Miller, *Thermal Expansion Studies of (N(CH₃)₃H) (I) (TCNQ)*, **American Physical Society 1979 March Meeting**, Chicago, Illinois, 19-23 March 1979 [Bulletin of the American Physical Society 24, 355 (1979)].
35. A.P. Troup, A.J. Epstein, and J.S. Miller, *Variation of Electron Spin Resonance Properties with Band Filling: (NMP)_x(Phen)_{1-x}(TCNQ) (0.5 ≤ x ≤ 1.0)*, **NATO Advanced Study Institute on the Physics and Chemistry of Low Dimensional Solids**, Tomar, Portugal, 30 August 1979.
36. B.A. Weinstein, M.L. Slade, A.J. Epstein, and J.S. Miller, *Variation in Optical Properties with Band Filling: (NMP)_x(Phen)_{1-x}(TCNQ) (0.5 ≤ x ≤ 1.0)*, **NATO**

- Advanced Study Institute on the Physics and Chemistry of Low Dimensional Solids**, Tomar, Portugal, 30 August 1979.
37. A.J. Epstein and J.S. Miller, *Magnetic Properties in a System With Varying Band Filling and Disorder: $(NMP)_x(Phen)_{1-x}(TCNQ)$ ($0.5 \leq x \leq 1.0$)*, **NATO Advanced Study Institute on the Physics and Chemistry of Low Dimensional Solids**, Tomar, Portugal, 30 August 1979.
 38. A.J. Epstein, H. Rommelmann, A.J. Heeger, and A.G. MacDiarmid, *Magnetic Susceptibility of Iodine Doped Polyacetylene*, **American Physical Society 1980 March Meeting**, New York, New York, 24-28 March 1980 [Bulletin of the American Physical Society 25, 161 (1980)].
 39. D.A. Glocker, A.J. Epstein, and J.S. Miller, *Charge Density and Thermal Expansion in Linear Chain Organic Conductors*, **American Physical Society 1980 March Meeting**, New York, New York, 24-28 March 1980 [Bulletin of the American Physical Society 25, 217 (1980)].
 40. D.M. Hoffman, J.E. Deis, D.B. Tanner, A.J. Epstein, and J.S. Miller, *Low Temperature Optical Properties of (NMe_3H) (I) $(TCNQ)$* , **American Physical Society 1980 March Meeting**, New York, New York, 24-28 March 1980 [Bulletin of the American Physical Society 25, 218 (1980)].
 41. A.J. Epstein, B.A. Weinstein, M.L. Slade, and J.S. Miller, *Anomalous Optical Response with Variation in Band Filling in Linear Chain Conductors*, **American Physical Society 1980 March Meeting**, New York, New York, 24-28 March 1980 [Bulletin of the American Physical Society 25, 218 (1980)].
 42. J.M. Pochan, A.J. Epstein, H. Rommelmann, F.C. Bailey, and H.W. Gibson, *Physical, Electrical, and Magnetic Studies of Poly(1,6-Heptadiyne)*, **American Physical Society 1980 March Meeting**, New York, New York, 24-28 March 1980 [Bulletin of the American Physical Society 25, 314 (1980)].
 43. D.B. Tanner, A.J. Epstein, and H.W. Gibson, *Far Infrared Studies of a Substituted Polyacetylene*, **American Physical Society 1980 March Meeting**, New York, New York, 24-28 March 1980 [Bulletin of the American Physical Society 25 314 (1980)].
 44. H.W. Gibson, F.C. Bailey, J.M. Pochan, A.J. Epstein, and H. Rommelmann, *New Free Standing Conductive Substituted Polyacetylene Film*, **179th National Meeting of the American Chemical Society**, Houston, Texas, 24-28 March 1980 [Abstracts Papers ORPL 93].
 45. H.W. Gibson, F.C. Bailey, J.M. Pochan, A.J. Epstein, and H. Rommelmann, *Substituted Polyacetylene: Opportunities in Molecular Engineering*, **22nd Electronic Materials Conference**, Ithaca, New York, 23-26 June 1980.

46. J.W-p. Lin, A.J. Epstein, L.P. Dudeck, and H. Rommelmann, *Pyrolysis and Electrical Properties of Poly[N,N-(P,P-Oxydiphenylene) Pyromellitimide]*, **22nd Electronic Materials Conference**, Ithaca, New York, 23-26 June 1980.
47. A.J. Epstein, H.W. Gibson, P.M. Chaikin, G. Gruner, and W.G. Clark, *Electric Field Dependent Conductivity of Metallic Polyacetylene*, **International Conference on Low Dimensional Synthetic Metals**, Helsingor, Denmark, 10-15 August 1980 [Paper 2.9].
48. D.M. Hoffman, J.E. Deis, D.B. Tanner, A.J. Epstein, and J.S. Miller, *Low Temperature Optical Properties of (NMe₃H) (I) (TCNQ)*, **International Conference on Low Dimensional Synthetic Metals**, Helsingor, Denmark, 10-15 August 1980 [Paper 8.4].
49. J.S. Miller, A.H. Reis, E. Gebert, and A.J. Epstein, *Properties of 1:1 Decamethylferrocenium 2,3-Dichloro-5,6-Dicyanoquinoneide (DMeFc⁺)-(DDQ) and (DMeFc⁺)(TCNQ)*, **International Conference on Low Dimensional Synthetic Metals**, Helsingor, Denmark, 10-15 August 1980 [Paper 8.5].
50. A.J. Epstein, H.W. Gibson, F.C. Bailey, J.M. Pochan, H. Rommelmann, and D.B. Tanner, *Poly(1,6-Heptadiyne): Studies of a Substituted Polyacetylene*, **International Conference on Low Dimensional Synthetic Metals**, Helsingor, Denmark, 10-15 August 1980 [Paper 12.7].
51. J.S. Miller, A.H. Reis, Jr., E. Gebert, and A.J. Epstein, *Structure and Properties of 1:1 Decamethylferrocenium 2,3-Dichloro-5,6-Dicyanoquinoneide (DMeFc⁺)-(DDQ)*, **180th National Meeting of the American Chemical Society**, Las Vegas, Nevada, 25-29 August 1980 [Abstracts of Papers INOR 162].
52. J.W-p. Lin, A.J. Epstein, L.P. Dudeck, and H. Rommelmann, *Pyrolysis and Electronic Properties of Poly[N,N-(P,P-oxydiphenylene) Pyromellitimide]*, **180th National Meeting of the American Chemical Society**, Las Vegas, Nevada, 25-29 August 1980 [Abstracts of Papers ORPL 101].
53. H.W. Gibson, F.C. Bailey, H. Rommelmann, A.J. Epstein, and J.M. Pochan, *Synthesis, Characterization and Doping of a Substituted Polyacetylene*, **180th National Meeting of the American Chemical Society**, Las Vegas, Nevada, 25-29 August 1980 [Abstracts of Papers ORPL 175].
54. A.J. Epstein, J.S. Miller, J.P. Pouget, and R. Comes, *2KF and 4KF Scattering and the Crossover from Small to Large U in (NMP)_x(Phen)_{1-x}(TCNQ)*, **American Physical Society 1981 March Meeting**, Phoenix, Arizona, 16-20 March 1981 [Bulletin of the American Physical Society 26, 308 (1981)].
55. A.J. Epstein, H. Rommelmann, M.A. Druy, A.J. Heeger, and A.G. MacDiarmid, *The Effects of Nonuniform Doping: Magnetic Susceptibility Studies of Iodine*

- Doped Polyacetylene*, **American Physical Society 1981 March Meeting**, Phoenix, Arizona, 16-20 March 1981 [Bulletin of the American Physical Society 26, 345 (1981)].
56. D.M. Hoffman, D.B. Tanner, A.J. Epstein, and H.W. Gibson, *Far Infrared Absorption Measurements in Lightly Doped (CH)_x*, **American Physical Society 1981 March Meeting**, Phoenix, Arizona, 16-20 March 1981 [Bulletin of the American Physical Society 26, 345 (1981)].
57. P. Robin, J.P. Pouget, R. Comes, A.J. Epstein, and H.W. Gibson, *X-ray Diffraction Study of Iodine Doped Polyacetylene*, **American Physical Society 1981 March Meeting**, Phoenix, Arizona, 16-20 March 1981 [Bulletin of the American Physical Society 26, 433 (1981)].
58. A.J. Epstein, B. Weinstein, M.L. Slade, J.P. Pouget, R. Comes, and J.S. Miller, *Crossover from Small (Coulomb Repulsion)/(Bandwidth) (U/W) to Large U/W in a Molecular Conductor*, **Third Conference on Electrical Properties of Organic Solids**, Wdzydze Kocieskie, Poland, 18-23 June 1981.
59. P. Robin, J.P. Pouget, R. Comes, A.J. Epstein, and H.W. Gibson, *Etude Par Diffraction Des Rayons X Du Polyacetylene Dope A L'Iode*, **French Physical Society Meeting**, Claremont-Ferrant, France, 28 June-3 July 1981.
60. H.W. Gibson, F.C. Bailey, H. Rommelmann, A.J. Epstein, J.M. Pochan, S. Kaplan, and J. Harbour, *Poly(1,6-Heptadiyne), A Substituted Polyacetylene Dopable to High Conductivity*, **27th International Symposium on Macromolecules**, Strasbourg, France, 6-10 July 1981.
61. H. Rommelmann, R. Fernquist, H.W. Gibson, A.J. Epstein, M.A. Druy, and T. Woerner, *Morphology and Dopant Distribution in (CH)_x*, **International Conference on Low-Dimensional Conductors**, Boulder, Colorado, 10-14 August 1981.
62. D.M. Hoffman, D.B. Tanner, A.J. Epstein, and H.W. Gibson, *Far Infrared Absorption in (CH)_x Below the Nonmetal-Metal Transition*, **International Conference on Low-Dimensional Conductors**, Boulder, Colorado, 10-14 August 1981.
63. D.B. Tanner, L.H. Green, A.J. Epstein, and J.S. Miller, *Evidence for Interaction of the Conduction Electrons with an Intramolecular Vibrational Mode in a Platinum Chain Salt*, **International Conference on Low-Dimensional Conductors**, Boulder, Colorado, 10-14 August 1981.
64. A.J. Epstein, H. Rommelmann, J.P. Pouget, R. Comes, and J.S. Miller, *A Highly Correlated Quasi-One-Dimensional Charge Transfer Salt Near the One-Quarter Filled Band Limit*, **American Physical Society 1982 March Meeting**, Dallas,

- Texas, 8-12 March 1982 [Bulletin of the American Physical Society 27, 180 (1982)].
65. P.E. Sokol, J.R. Gaines, D.B. Tanner, A.J. Epstein, and H.W. Gibson, *Pulsed NMR Measurements on Polyacetylene at Low Temperatures*, **American Physical Society 1982 March Meeting**, Dallas, Texas, 8-12 March 1982 [Bulletin of the American Physical Society 27, 241 (1982)].
 66. D.M. Hoffman, D.B. Tanner, A.J. Epstein, and H.W. Gibson, *Doping Related Infrared Absorption in Polyacetylene*, **American Physical Society 1982 March Meeting**, Dallas, Texas, 8-12 March 1982 [Bulletin of the American Physical Society 27, 374 (1982)].
 67. A.J. Epstein, H. Rommelmann, M. Abkowitz, and H.W. Gibson, *Frequency and Temperature Dependent Conductivity of Lightly Doped Polyacetylene*, **American Physical Society 1982 March Meeting**, Dallas, Texas, 8-12 March 1982 [Bulletin of the American Physical Society 27, 374 (1982)].
 68. P. Robin, J.P. Pouget, R. Comes, A.J. Epstein, and H.W. Gibson, *X-ray Diffraction Studies of I₂ Doped Polyacetylene*, **Conference on Electroactive Polymers**, Autrans, France, 10-11 June 1982.
 69. H. Rommelmann, R. Fernquist, A.J. Epstein, M. Aldissi, and T. Woerner, *Evolution of Polyacetylene Morphology Upon I₂ Doping*, **International Conference on The Physics and Chemistry of Conducting Polymers**, Les Arcs, Bourg Saint Maurice, Savoie, France, 11-15 December 1982.
 70. P. Robin, J.P. Pouget, R. Comes, A.J. Epstein, and H.W. Gibson, *Etude par Diffusion de Rayons X du Dopage a L'Iode de Films de Polyacetylene*, **International Conference on The Physics and Chemistry of Conducting Polymers**, Les Arcs, Bourg Saint Maurice, Savoie, France, 11-15 December 1982.
 71. P.E. Sokol, J.R. Gaines, S.I. Cho, D.B. Tanner, H.W. Gibson, and A.J. Epstein, *Frequency and Temperature Dependence of ¹H NMR T₁ of Trans-(CH)_x*, **International Conference on The Physics and Chemistry of Conducting Polymers**, Les Arcs, Bourg Saint Maurice, Savoie, France, 11-15 December 1982.
 72. P. Robin, J.P. Pouget, R. Comes, A.J. Epstein, and H.W. Gibson, *X-ray Diffraction Studies of The Thermal Isomerization Process of Polyacetylene Films*, **International Conference on The Physics and Chemistry of Conducting Polymers**, Les Arcs, Bourg Saint Maurice, Savoie, France, 11-15 December 1982.
 73. H. Rommelmann, J. Kaufer, A.J. Epstein, and J.S. Miller, *Noise Power Studies in Nearly Commensurate Charge Transfer Salts*, **International Conference on The**

Physics and Chemistry of Synthetic and Organic Metals, Les Arcs, Bourg Saint Maurice, Savoie, France, 14-18 December 1982.

74. R.P. McCall, D.B. Tanner, J.S. Miller, and A.J. Epstein, *Optical Properties of Large U Quarter Filled TCNQ Salts*, **American Physical Society 1983 March Meeting**, Los Angeles, California, 21-25 March 1983 [Bulletin of the American Physical Society 28, 445 (1983)].
75. D.B. Tanner, D.M. Hoffman, H.W. Gibson, and A.J. Epstein, *Optical Absorption by Solitons in Nearly Metallic Polyacetylene*, **American Physical Society 1983 March Meeting**, Los Angeles, California, 21-25 March 1983 [Bulletin of the American Physical Society 28, 445 (1983)].
76. A.J. Epstein, J. Kaufer, H. Rommelmann, R. Bigelow, J.P. Pouget, R. Comes, and J.S. Miller, *Transport, Magnetic and Structural Studies of Quasi-1D Highly Correlated Charge Transfer Salts Near the One-Quarter Filled Band Limit*, **American Physical Society 1983 March Meeting**, Los Angeles, California, 21-25 March 1983 [Bulletin of the American Physical Society 28, 446 (1983)].
77. A.J. Epstein, H. Rommelmann, R. Bigelow, H.W. Gibson, and D.B. Tanner, *Nearly Metallic Polyacetylene: Role of Solitons in Transport*, **American Physical Society 1983 March Meeting**, Los Angeles, California, 21-25 March 1983 [Bulletin of the American Physical Society 28, 446 (1983)].
78. P. Robin, J.P. Pouget, R. Comes, H.W. Gibson, and A.J. Epstein, *(CH)_x Isomerization Thermique-Etude Structurale*, **CNRS Conference Polymeres Electroactifs**, Mont. St. Odile, France, 9-11 May 1983.
79. J.P. Pouget, P. Robin, R. Comes, A.J. Epstein, H.W. Gibson, and D. Billaud, *Proprietes Structurales de (CH)_x*, **CNRS Conference Polymeres Electroactifs**, Mont. St. Odile, France, 9-11 May 1983.
80. A. Feldblum, H. Rommelmann, R. Bigelow, H.W. Gibson, A.J. Epstein, and D.B. Tanner, *Solitons in Nearly Metallic Polyacetylene*, **Symposium on Order in Polymeric Materials**, Waltham, Massachusetts, 15-16 August 1983.
81. X.Q. Tang, D.B. Tanner, A. Feldblum, H.W. Gibson, and A.J. Epstein, *Optical Properties of Heavily Doped Polyacetylene*, **American Physical Society 1984 March Meeting**, Detroit, Michigan, 26-30 March 1984 [Bulletin of the American Physical Society 29, 217 (1984)].
82. A. Feldblum, J. Kaufer, J. Facci, R. Bigelow, R. Weagley, H.W. Gibson, A.J. Epstein, and D.B. Tanner, *Transport and Magnetic Studies of [CH(CIO₄)_y]_x*, **American Physical Society 1984 March Meeting**, Detroit, Michigan, 26-30 March 1984 [Bulletin of the American Physical Society 29, 317 (1984)].

83. A. Feldblum, A.J. Epstein, R. Greene, and P.M. Chaikin, *Magnetic Field Dependent Susceptibility of $(TMTSF)_2ClO_4$* , **American Physical Society 1984 March Meeting**, Detroit, Michigan, 26-30 March 1984 [Bulletin of the American Physical Society 29, 378 (1984)].
84. R.P. McCall, D.B. Tanner, J.S. Miller, R.W. Bigelow, and A.J. Epstein, *Electronic Properties of $(NMP)_x(Phen)_{1-x}(TCNQ)$* , **American Physical Society 1984 March Meeting**, Detroit, Michigan, 26-30 March 1984 [Bulletin of the American Physical Society 29, 509 (1984)].
85. A. Feldblum, A.J. Epstein, R. Greene, and P.M. Chaikin, *Magnetic Field Dependent Susceptibility of $(TMTSF)_2ClO_4$* , **International Conference on the Physics and Chemistry of Low-Dimensional Synthetic Metals**, Abano Terme, Italy, 17-22 June 1984.
86. L.J. Azevedo, J.S. Miller, and A.J. Epstein, *Proton Nuclear Magnetic Resonance in $(NMP)_x(Phen)_{1-x}(TCNQ)$* , **International Conference on the Physics and Chemistry of Low-Dimensional Synthetic Metals**, Abano Terme, Italy, 17-22 June 1984.
87. H.W. Gibson, R.J. Weagley, R. Mosher, S. Kaplan, W.M. Prest, Jr., and A.J. Epstein, *Remnant Cis Bonds in "Trans"-Polyacetylene*, **International Conference on the Physics and Chemistry of Low-Dimensional Synthetic Metals**, Abano Terme, Italy, 17-22 June 1984.
88. R. Zemach, Z. Vardeny, O. Brafman, E. Ehrenfreund, A.J. Epstein, R.J. Weagley, and H.W. Gibson, *Photoinduced Spectroscopy and Resonant Raman Study of Poly(1,6-Heptadiyne)*, **International Conference on the Physics and Chemistry of Low-Dimensional Synthetic Metals**, Abano Terme, Italy, 17-22 June 1984.
89. R.P. McCall, D.B. Tanner, A.J. Epstein, I.A. Howard, and E.M. Conwell, *Infrared Absorption in Quinolinium Di-Tetracyanoquinodimethanide*, **International Conference on the Physics and Chemistry of Low-Dimensional Synthetic Metals**, Abano Terme, Italy, 17-22 June 1984.
90. A.J. Epstein, R.W. Bigelow, X.Q. Yang, J.H. Zhang, W.M. Reiff, J.C. Calabrese, and J.S. Miller, *Ferromagnetism in One-Dimensional Dimethylferrocenium Tetracyanoethylenide, $(DMeFc)^+(TCNE)^-$* , **American Physical Society 1985 March Meeting**, Baltimore, Maryland, 25-29 March 1985 [Bulletin of the American Physical Society 30, 243 (1985)].
91. M.J. Rice, H.W. Gibson, R.J. Weagley, A. Feldblum, A.J. Epstein, X.Q. Yang, and D.B. Tanner, *Doped Metallic Polymers as Gapless Peierls Insulators*, **American Physical Society 1985 March Meeting**, Baltimore, Maryland, 25-29 March 1985 [Bulletin of the American Physical Society 30, 565 (1985)].

92. D.B. Humphrey, J.C. Chiang, W.S. Huang, A.F. Richter, N.L.D. Somasiri, A.G. MacDiarmid, X.Q. Yang, A.J. Epstein, and R.W. Bigelow, *Electrochemical and Electronic Properties of Polyaniline*, **American Physical Society 1985 March Meeting**, Baltimore, Maryland, 25-29 March 1985 [Bulletin of the American Physical Society 30, 605 (1985)].
93. X.Q. Yang, D.B. Tanner, S.I. Yaniger, G. Arbuckle, A.G. MacDiarmid, R.J. Weagley, J. Facci, and A.J. Epstein, *Electronic Properties of Segmented Polyacetylene*, **American Physical Society 1985 March Meeting**, Baltimore, Maryland, 25-29 March 1985 [Bulletin of the American Physical Society 30, 640 (1985)].
94. A.J. Epstein, R.J. Weagley, A. Feldblum, H.W. Gibson, P. Robin, R. Comes, and J.P. Pouget, *Structural Evolution of Polyacetylene with Anion Doping and the Insulator-Metal Transition*, **American Physical Society 1985 March Meeting**, Baltimore, Maryland, 25-29 March 1985 [Bulletin of the American Physical Society 30, 641 (1985)].
95. J.A. Swift, A.J. Epstein, J.R. Harbour, M.J. Walzak, and J.P-W. Lin, *Physical Properties of Pyrolyzed Polyacrylonitrile Fibers*, **189th National Meeting American Chemical Society**, Miami Beach, Florida, 28 April-3 May 1986.
96. Z. Vardeny, E. Ehrenfreund, O. Brafman, R. Weagley, and A.J. Epstein, *Photoinduced Absorption Spectroscopy of Iodine Doped Polyacetylene*, **American Physical Society 1986 March Meeting**, Las Vegas, Nevada, 31 March-4 April 1986 [Bulletin of the American Physical Society 31, 232 (1986)].
97. X.Q. Yang, D.B. Tanner, G. Arbuckle, A.G. MacDiarmid, F. Zuo, H. Javadi, and A.J. Epstein, *Evolution of the Electronic Structure of Segmented Polyacetylene with Conjugation Length and Doping*, **American Physical Society 1986 March Meeting**, Las Vegas, Nevada, 31 March-4 April 1986 [Bulletin of the American Physical Society 31, 232 (1986)].
98. P.E. Sokol, G. Tai, C. Gordon, A.J. Epstein, R. Weagley, and J.D. Jorgensen, *Structural Determination of trans-(CD)_x*, **American Physical Society 1986 March Meeting**, Las Vegas, Nevada, 31 March-4 April 1986 [Bulletin of the American Physical Society 31, 330 (1986)].
99. A.J. Epstein, S. Chittipeddi, I. Hamberg, D.B. Tanner, and J.S. Miller, *Ferromagnetism in Molecular Charge Transfer Salts*, **American Physical Society 1986 March Meeting**, Las Vegas, Nevada, 31 March-4 April 1986 [Bulletin of the American Physical Society 31, 430 (1986)].
100. J.M. Ginder, A.J. Epstein, R.W. Bigelow, A.F. Richter, and A.G. MacDiarmid, *Insulator-Metal Transition of Protonated Polyaniline*, **American Physical Society 1986 March Meeting**, Las Vegas, Nevada, 31 March-4 April 1986 [Bulletin of the American Physical Society 31, 582 (1986)].

101. I. Hamberg, D.B. Tanner, C.S. Jacobsen, M. Almeida, K. Carneiro, A.J. Epstein, and A.G. MacDiarmid, *Electronic Spectra of "Quarter-Filled Band" TCNQ Salts*, **American Physical Society 1986 March Meeting**, Las Vegas, Nevada, 31 March-4 April 1986 [Bulletin of the American Physical Society 31, 656 (1986)].
102. D.B. Tanner, I. Hamberg, C.S. Jacobsen, K. Carneiro, A.J. Epstein, and J.S. Miller, *Optical Absorption in "Quarter-Filled" TCNQ Salts*, **Yamada Conference XV on Physics and Chemistry of Quasi One-Dimensional Conductors**, Lake Kawaguchi, Yamanashi, Japan, 28-30 May 1986.
103. D.B. Tanner, X.Q. Yang, G. Arbuckle, A.G. MacDiarmid, and A.J. Epstein, *Optical Properties of Segmented Polyacetylene*, **International Conference on Science and Technology of Synthetic Metals**, Kyoto, Japan, 1-6 June 1986.
104. O. Brafman, E. Ehrenfreund, Z. Vardeny, R. Weagley, and A.J. Epstein, *Photoexcitation Spectroscopy of Iodine Doped Polyacetylene*, **International Conference on Science and Technology of Synthetic Metals**, Kyoto, Japan, 1-6 June 1986.
105. F. Zuo, A.J. Epstein, X.Q. Yang, D.B. Tanner, G. Arbuckle, and A.G. MacDiarmid, *Transport and Magnetic Studies of Segmented Polyacetylene*, **International Conference on Science and Technology of Synthetic Metals**, Kyoto, Japan, 1-6 June 1986.
106. H.H.S. Javadi, A.J. Epstein, and J.S. Miller, *Soliton Role in Microwave Response of $(N\text{-Methylphenazinium})_x$ (Phenazine) $_{1-x}$ (Tetracyanoquinodimethanide)*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 422 (1987)].
107. G.A. Arbuckle, M.X. Wan, A.G. MacDiarmid, F. Zuo, and A.J. Epstein, *Disorder and Conjugation in Trans-Polyacetylene*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 456 (1987)].
108. Y. Cao, A.J. Epstein, J.R. Gaines, G. Arbuckle, and A.G. MacDiarmid, *Spin-Lattice Relaxation Rate of $[(CH)_{1-y}(CHD)_y]_x$* , **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 457 (1987)].
109. S. Chittipeddi, K. Cromack, A.J. Epstein, and J.S. Miller, *Single Crystal Ferromagnetic Behavior of the Molecular Charge Transfer Salt $(DMeFc)(TCNE)$ Decamethylferrocenium Tetracyanoethanide*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 671 (1987)].

110. A. Chakraborty, A.J. Epstein, J.H. Zhang, W.M. Reiff, and J.S. Miller, *Antiferromagnetic Behavior of the Molecular Charge Transfer Salt (DMeFc)(TCNE), Decamethylnickelocene Tetracyanoethenide*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 671 (1987)].
111. F. Zuo, A.J. Epstein, M. Angelopoulos, and A.G. MacDiarmid, *Transport Studies of Protonated Emeraldine (Polyaniline)*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 848 (1987)].
112. K. Cromack, H.H.S. Javadi, A.J. Epstein, M. Angelopoulos, and A.G. MacDiarmid, *Microwave Conductivity and Dielectric Constant of Polyaniline*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 848 (1987)].
113. M.G. Roe, J.M. Ginder, A.J. Epstein, P.E. Wigen, M. Angelopoulos, and A.G. MacDiarmid, *Photoinduced Absorption in Polyaniline*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 848 (1987)].
114. S.P. Treat, J.M. Ginder, H.H.S. Javadi, A.J. Epstein, and J.F. Wolf, *Magnetic and Transport Properties of a Crystalline Tetramer Model Compound for Polyaniline*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 848 (1987)].
115. M. Angelopoulos, S.P. Ermer, A. Ray, A.G. MacDiarmid, and A.J. Epstein, *New Metallic Derivatives of Polyaniline: N-Substituted and Ring Substituted Derivatives of Emeraldine Salts*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 848 (1987)].
116. S.P. Ermer, M. Angelopoulos, W.-S. Huang, A.G. MacDiarmid, and A.J. Epstein, *Aqueous Solutions of Conducting Polymers: Derivatives of Polyaniline*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 849 (1987)].
117. A.G. MacDiarmid, W.-S. Huang, and A.J. Epstein, *Proof of Non-Oxidative Protonic Acid Doping of Polyaniline to the Metallic Regime*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 849 (1987)].
118. M.X. Wan, A.G. MacDiarmid, and A.J. Epstein, *Photoelectrochemistry of Polyaniline*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 849 (1987)].

119. A.F. Richter, A.G. MacDiarmid, M. Lindgren, A. Lund, and A.J. Epstein, *Polyaniline: EPR Spectrum as a Function of Oxidation State and Degree of Protonation*, **American Physical Society 1987 March Meeting**, New York, New York, 16-20 March 1987 [Bulletin of the American Physical Society 32, 849 (1987)].
120. M.X. Wan, A.G. MacDiarmid, and A.J. Epstein, *Photoelectrochemistry of Polyaniline*, **International Winter School on Electronic Properties of Polymers**, Kirchberg, Austria, March 1987.
121. M. Angelopoulos, S.P. Ermer, A. Ray, A.G. MacDiarmid, and A.J. Epstein, *New Metallic Derivatives of Polyaniline: N-Substituted and Ring Substituted Derivatives of Emeraldine Salts*, **193rd American Chemical Society National Meeting**, Denver, Colorado, 5-10 April 1987.
122. S.P. Ermer, M. Angelopoulos, W.S. Huang, A.G. MacDiarmid, and A.J. Epstein, *Aqueous Solutions of Conducting Polymers: Derivatives of Polyaniline*, **193rd American Chemical Society National Meeting**, Denver, Colorado, 5-10 April 1987.
123. S.-I. Lee, J.P. Golben, S.Y. Lee, X.-D. Chen, Y. Song, T.W. Noh, R.D. McMichael, Y. Cao, J. Testa, F. Zuo, J.R. Gaines, A.J. Epstein, D.L. Cox, J.C. Garland, T.R. Lemberger, R. Sooryakumar, and B.R. Patton, *The Effect of Structural Changes on the Superconducting Transition Temperature of $La_1Ba_2Cu_3O(9-\square)$* , **Materials Research Society Meeting**, Anaheim, California, 20-24 April 1987.
124. S. Chittipeddi, A.J. Epstein, and J.S. Miller, *Dimensional Crossover in the Molecular Ferromagnet Decamethylferrocenium Tetracyanoethenide*, **NATO Workshop on Organic and Low Dimensional Crystalline Materials**, Minorca, Spain, 4-8 May 1987.
125. J.M. Ginder, M.G. Roe, P.E. Wigen, A.J. Epstein, M. Angelopoulos, and A.G. MacDiarmid, *Photoinduced Absorption in Emeraldine*, **42nd Symposium on Molecular Spectroscopy**, Columbus, Ohio, 15-19 June 1987.
126. M. Angelopoulos, S.P. Ermer, S.K. Manohar, A.J. Epstein, and A.G. MacDiarmid, *Pseudo-protonic Acid Doping of Polyanilines*, **Second Symposium on Electroresponsive Polymers**, Upton, New York, 4-7 October 1987.
127. H.H.S. Javadi, F. Zuo, A.J. Epstein, M. Angelopoulos, and A.G. MacDiarmid, *Frequency Dependent Conductivity of Emeraldine: Absence of Protonic Conductivity*, **Second Symposium on Electroresponsive Polymers**, Upton, New York, 4-7 October 1987.
128. A. Ray, J.C. Chiang, A.G. MacDiarmid, Y. Wei, W.W. Focke, G.E. Wnek, and A.J. Epstein, *Electrochemistry of Ring-Substituted Polyanilines: Effect of*

- Substituents on Electronic Properties, Second Symposium on Electroresponsive Polymers*, Upton, New York, 4-7 October 1987; [Molecular Crystals, Liquid Crystals 160, 221 (1988)].
129. S. Chittipeddi, M.A. Selover, J.S. Miller, and A.J. Epstein, *Molecular Magnetism in the Decamethylferrocenium Systems*, **35th Annual Midwest Solid State Conference**, Notre Dame, Indiana, 19-20 October 1987.
 130. S. Chittipeddi, Y. Song, J. Golben, X.D. Chen, D.L. Cox, J.R. Gaines, and A.J. Epstein, *Magnetic Susceptibility Studies of Insulating $Pr_1Ba_2Cu_3O_{7-\delta}$ and Superconducting $Nd_1Ba_2Cu_3O_{7-\delta}$* , **35th Annual Midwest Solid State Conference**, Notre Dame, Indiana, 19-20 October 1987.
 131. J.P. Golben, Y. Song, S. Chittipeddi, S.I. Lee, R.D. McMichael, X.D. Chen, J.R. Gaines, D.L. Cox, and A.J. Epstein, *$La_1Ba_2Cu_3O_{9-\delta}$: Structural Analysis Determined by Neutron Diffraction*, **Materials Research Society Conference**, Boston, Massachusetts, 30 November-4 December 1987.
 132. A.J. Epstein, J.M. Ginder, M.G. Roe, T.L. Gustafson, M. Angelopoulos, and A.G. MacDiarmid, *Nonlinear Optical Properties of Polyaniline*, **Materials Research Society Conference**, Boston, Massachusetts, 30 November-4 December 1987.
 133. A.J. Epstein, M.G. Roe, J.M. Ginder, F. Zuo, R.P. McCall, Y. Song, X.-D. Chen, J.P. Golben, J.R. Gaines, P.E. Wigen, and E. Ehrenfreund, *Photoinduced Absorption in the $La_{2-x}Sr_xCuO_{4-\delta}$ System: 2 eV Bandgap and Long-Lived Defect States*, **Materials Research Society Conference**, Boston, Massachusetts, 30 November-4 December 1987.
 134. S. Lefrant, E. Mulazzi, A.G. MacDiarmid, G.A. Arbuckle, and A.J. Epstein, *Experimental Raman Investigation on Segmented Deuterated Polyacetylene*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Paper N27-7].
 135. Y. Song, J.P. Golben, S. Chittipeddi, J.R. Gaines, and A.J. Epstein, *Experimental Study of $La_1Ba_2Cu_3O_{7-\delta}$* , **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 259 (1988)].
 136. X.D. Chen, F. Zuo, A. Chakraborty, B.R. Patton, J.R. Gaines, and A.J. Epstein, *Anomalous Magnetic Properties of $Y_{1-x}Sc_xBa_2Cu_3O_{7-\delta}$* , **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 259 (1988)].
 137. J.M. Ginder, M.G. Roe, R.P. McCall, Y. Song, J.R. Gaines, E. Ehrenfreund, and A.J. Epstein, *Photoexcitations in the $La_{2-x}Sr_xCuO_{4-\delta}$ System*, **American**

- Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 381-382 (1988)].
138. S. Chittipeddi, Y. Song, J.P. Golben, A.J. Epstein, and J.R. Gaines, *Magnetic Structural and Resistive Studies of $Y_{1-x}Ce_xBa_2Cu_3O_{7-\delta}$ ($0 < x < 1$)*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 561 (1988)].
139. A.G. MacDiarmid, S.P. Ermer, A. Ray, E.M. Scherr, A.J. Epstein, H.H.S. Javadi, and F. Zuo, *Polyaniline: Synthesis of Films and Their Use in Determining the Absence of Protonic Conductivity in Doped Polyaniline*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 578-579 (1988)].
140. F. Zuo, A.J. Epstein, M. Angelopoulos, and A.G. MacDiarmid, *AC Conductivity of Polyaniline*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 579 (1988)].
141. M.G. Roe, J.M. Ginder, R.P. McCall, P.E. Wigen, A.J. Epstein, M. Angelopoulos, and A.G. MacDiarmid, *Photoexcitation of Excitons and Polarons in Emeraldine Base*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 579 (1988)].
142. A.J. Epstein, H.H.S. Javadi, R. Laversanne, Y. Cao, J.R. Gaines, M. Angelopoulos, and A.G. MacDiarmid, *Microwave Response of Emeraldine Polymer*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 579 (1988)].
143. R. Laversanne, A. Chakraborty, A.J. Epstein, and J.S. Miller, *Search for a Molecular Ferromagnet: EPR Study of Charge Transfer Salts*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 660 (1988)].
144. S. Chittipeddi, M.A. Selover, A.J. Epstein and J.S. Miller, *Anisotropic Magnetic Properties and Magnetic Structure of (DMeFc)(TCNE)*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 660 (1988)].
145. A. Chakraborty, A.J. Epstein, J.S. Miller, and D. Glatzhofer, *Ferromagnetic Behavior in the Molecular Charge Transfer Salts Octamethylferrocene Tetracyanoquinodimethane and Octamethylferrocene Tetracyanoethenide*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 661 (1988)].

146. R. Laversanne, S. Chittipeddi, A.J. Epstein, D. Glatzhofer, and J.S. Miller, *EPR Study of the Thermal Polymerization of Diacetylene Biradical: Implications for Polymeric Ferromagnets*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 661 (1988)].
147. H.H.S. Javadi, R. Laversanne, and A.J. Epstein, *Microwave Conductivity and Dielectric Constant of (TMTTF)₂ X, X=SCN, ReO₄, SbF₆*, **American Physical Society 1988 March Meeting**, New Orleans, Louisiana, 21-25 March 1988 [Bulletin of the American Physical Society 33, 696 (1988)].
148. R. Laversanne, A. Chakraborty, A.J. Epstein, and J.S. Miller, *Search for New Molecular Ferromagnets: EPR and Magnetic Studies of Charge Transfer Salts*, **International Conference on Science and Technology of Synthetic Metals**, New Mexico, 26 June-2 July 1988.
149. M.G. Roe, J.M. Ginder, R.P. McCall, K.R. Cromack, A.J. Epstein, T.L. Gustafson, M. Angelopoulos, and A.G. MacDiarmid, *Photoexcitations in Emeraldine Base*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
150. S.K. Manohar, A.G. MacDiarmid, K. Cromack, J.M. Ginder, and A.J. Epstein, *N-Substituted Derivatives of Polyaniline*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
151. E. Mulazzi, G.P. Brivio, S. Lefrant, E. Perrin, G.A. Arbuckle, A.G. MacDiarmid, and A.J. Epstein, *Raman Scattering of Segmented Trans(CH)_x and Trans(CD)_x*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
152. S. Chittipeddi, M.A. Selover, A.J. Epstein, and J.S. Miller, *Magnetic Ordering and Anisotropy Studies of the Molecular Ferromagnet Decamethylferrocenium Tetracyanoethanide*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
153. F. Zuo, R.P. McCall, J.M. Ginder, M.G. Roe, A.J. Epstein, G.E. Asturias, S.I. Ermer, A. Ray, and A.G. MacDiarmid, *Polarons and Excitons in Solutions of Emeraldine*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
154. R. Laversanne, H.H.S. Javadi, and A.J. Epstein, *Microwave Conductivity and Dielectric Constant of (TMTTF)₂X, X=SCN, ReO₄, SbF₆*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.

155. G.E. Asturias, A.G. MacDiarmid, and A.J. Epstein, *Oxidation State of Polyanilines*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
156. H.H.S. Javadi, R. Laversanne, A.J. Epstein, R.K. Kohli, E.M. Scherr, and A.G. MacDiarmid, *ESR of Protonated Emeraldine Base: Insulator-to-Metal Transition*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
157. R.P. McCall, M.G. Roe, J.M. Ginder, T. Kusumoto, A.J. Epstein, E. Scherr, and A.G. MacDiarmid, *Photoinduced IR Absorption and Photoconductivity of Polyaniline*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
158. A. Ray, A.F. Richter, A.G. MacDiarmid, and A.J. Epstein, *Emeraldine Base: Protonation/Deprotonation of Amine and Imine Sites*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
159. S. Chittipeddi, J.P. Golben, A.J. Epstein, Y. Song, and J.R. Gaines, *Magnetic, Resistive and Structural Studies of the La-Ba-Cu-O System*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
160. F. Zuo, I. Chen, A.J. Epstein, and J.R. Gaines, *Magnetic Anomalies in Antiferromagnetic State of Pure and Doped La₂CuO₄*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
161. J.M. Ginder, M.G. Roe, R.P. McCall, A.J. Epstein, E. Ehrenfreund, Y. Song, J.R. Gaines, and I. Shah, *Photoinduced Absorption Studies of La-Cu-O and Y-Ba-Cu-O Compounds*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
162. A.F. Richter, A. Ray, K.V. Ramanathan, S.K. Manohar, S.J. Opella, G.T. Furst, A.G. MacDiarmid, and A.J. Epstein, *¹⁵N NMR of Polyaniline*, **International Conference on Science and Technology of Synthetic Metals**, Santa Fe, Mexico, 26 June-2 July 1988.
163. S. Chittipeddi, J.P. Golben, A.J. Epstein, Y. Song, and J.R. Gaines, *Magnetic Resistive, and Structural Studies of the La-Ba-Cu-O System*, **International Conference on Magnetism**, Paris, France, 25 July-29 July 1988.
164. F. Zuo, I. Chen, A.J. Epstein, and J.R. Gaines, *Magnetic Anomalies in Antiferromagnetic State of Pure and Doped La₂CuO₄*, **International Conference on Magnetism**, Paris, France, 25 July-29 July 1988.

165. N. Theophilou, D. Swanson, A.G. MacDiarmid, and A.J. Epstein, *Highly-Conducting Polyacetylene: Possible Dependency of Conductivity on Chemical Composition*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 406 (1989)].
166. H.H.S. Javadi, A. Chakraborty, C. Li, G. Du, A.J. Epstein, N. Theophilou, D. Swanson, and A.G. MacDiarmid, *Highly Conducting Polyacetylene: New Material, Old Properties*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 406 (1989)].
167. M.E. Jozefowicz, A.J. Epstein, X. Tang, A.G. MacDiarmid, and J.P. Pouget, *X-ray Structural Study of Polyaniline: Multiple Phases*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 541 (1989)].
168. P. Vaca, Z. Wang, R. Laversanne, H.H.S. Javadi, M. Jozefowicz, A.J. Epstein, X. Tang, and A.G. MacDiarmid, *Polaron/"Spinless Defect" Stability in Polyaniline: Roles of Crystal Structure and Crystallinity*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 541 (1989)].
169. R.P. McCall, H.J. Ye, A.J. Epstein, G.E. Asturias, E.M. Scherr, and A.G. MacDiarmid, *Photoinduced IR Absorption of Polyaniline*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 542 (1989)].
170. F. Zuo, A. Chakraborty, Y. Lu, B.R. Patton, X.D. Chen, A.J. Epstein, W.E. Farneth, and R.S. McLean, *Magnetization Studies of the Semiconducting 1-2-3 and Related Compounds*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 564 (1989)].
171. S.K. Manohar, A.G. MacDiarmid, and A.J. Epstein, *In Situ Absorption-Polymerization of Anilines and Pyrrole*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 582 (1989)].
172. K.R. Cromack, M.E. Jozefowicz, J.M. Ginder, R.P. McCall, A.J. Epstein, E.M. Scherr, and A.G. MacDiarmid, *Thermal Process for Orientation of Polyaniline Films*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 583 (1989)].
173. X. Tang, D.L. Kershner, J.G. Masters, Y. Sun, A.G. MacDiarmid, and A.J. Epstein, *Synthesis of Polyaniline in Preselected Oxidation States*, **American**

- Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 583 (1989)].
174. S.K. Manohar, A.G. MacDiarmid, and A.J. Epstein, *Water Soluble Polyaniline*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 583 (1989)].
175. X. Tang, E.M. Scherr, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline Fibers*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 583 (1989)].
176. N. Theophilou, A.G. MacDiarmid, B.K. Annis, R.P. McCall, and A.J. Epstein, *Oriented Polyaniline Films*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 583 (1989)].
177. J.M. Ginder, J.M. Leng, R.P. McCall, A.J. Epstein, S.K. Manohar, and A.G. MacDiarmid, *Defect States in Extrinsic-Gap Polymers: Massive Polarons in Polyaniline*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 674 (1989)].
178. K. Kim, J.M. Ginder, J.M. Leng, A.J. Epstein, E.M. Scherr, and A.G. MacDiarmid, *Optical Constants of Polyaniline*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 675 (1989)].
179. D.L. Cox, A. Chakraborty, A.J. Epstein, E.M. McCarron, and W.E. Farneth, *Specific Heat of $\text{Bi}_2\text{Sr}_2\text{CuO}_6$ and $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ in the Superconducting State*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 694 (1989)].
180. Z. Wang, K.R. Cromack, H.H.S. Javadi, J. Yue, J.M. Ginder, A.J. Epstein, A. Ray, S.K. Manohar, and A.G. MacDiarmid, *Reduction of Translational Symmetry in Polyaniline Derivatives*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 824 (1989)].
181. A. Chakraborty, A.J. Epstein, W.N. Lawless, and J.S. Miller, *Specific Heat Anomaly in the Molecular Charge Transfer Salt Decamethylferrocenium Tetracyanoquinodimethanide*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 933 (1989)].
182. K.S. Narayan, A.J. Epstein, and J.S. Miller, *AC Susceptibility of (DMeFc) (TCNE)*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 933 (1989)].

183. J.M. Leng, J.M. Ginder, M.G. Roe, A.J. Epstein, W.E. Farneth, S.I. Shah, and E.M. McCarron, *Photoinduced Excitations in Semiconducting $YBa_2Cu_3O_{7-x}$* , **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 1037 (1989)].
184. H.J. Ye, R.P. McCall, A.J. Epstein, W.E. Farneth, and E.M. McCarron, *Photoinduced IR Absorption in $YBa_2Cu_3AO_{6.3}$ ($A=16, 18$)*, **American Physical Society 1989 March Meeting**, St. Louis, Missouri, 20-24 March 1989 [Bulletin of the American Physical Society 34, 1038 (1989)].
185. Y. Wei, G.W. Jang, K.F. Hsueh, E.M. Scherr, A.G. MacDiarmid, and A.J. Epstein, *Glass Transition of Chemically Synthesized Polyaniline*, **197th American Chemical Society National Meeting**, Dallas, Texas, 6-14 April 1989.
186. G.E. Asturias, S.K. Manohar, J.G. Masters, Y. Sun, A.G. MacDiarmid, and A.J. Epstein, *Oxidation States of Polyaniline*, **Symposium on Electroresponsive Molecular and Polymeric Systems**, Upton, New York, 25-27 October 1989.
187. S.K. Manohar, E.M. Scherr, X. Tang, A.G. MacDiarmid, G.W. Jang, Y. Wei, K.R. Cromack, M.E. Jozefowicz, and A.J. Epstein, *Synthesis and Processing of Polyaniline and its Derivatives*, **Symposium on Electroresponsive Molecular and Polymeric Systems**, Upton, New York, 25-27 October 1989.
188. J. Yue, A.J. Epstein, and A.G. MacDiarmid, *Self-Doped Polyaniline*, **Symposium on Electroresponsive Molecular and Polymeric Systems**, Upton, New York, 25-27 October 1989.
189. Z. Wang, H.H.S. Javadi, A.J. Epstein, A. Ray, and A.G. MacDiarmid, *Electron Localization of Polyaniline Derivatives*, **Symposium on Electroresponsive Molecular and Polymeric Systems**, Upton, New York, 25-27 October 1989.
190. Y. Wei, K.F. Hsueh, A. Ray, A.G. MacDiarmid, J. Dykins, and A.J. Epstein, *Spectroscopic and Molecular Weight Studies of Polytoluidines*, **Materials Research Society Symposium on Electrical, Optical, and Magnetic Properties of Organic Solid States Materials**, Boston, Massachusetts, 27 November-1 December 1989.
191. A. Ray, A.G. MacDiarmid, J.M. Ginder, and A.J. Epstein, *Optical Studies of Polyanilines: Effects of Alkyl Ring-Substitution and Solvent Environment*, **Materials Research Society Symposium on Electrical, Optical, and Magnetic Properties of Organic Solid States Materials**, Boston, Massachusetts, 27 November-1 December 1989.
192. J.G. Masters, Y. Sun, A.G. MacDiarmid, and A.J. Epstein, *Allowed Discreet Oxidation States of Polyanilines*, **American Physical Society 1990 March**

- Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 197 (1990)].
193. M.E. Jozefowicz, A.J. Epstein, X. Tang, Y. Sun, J.G. Masters, A.G. MacDiarmid, and J.P. Pouget, *X-ray Study of Polyaniline: Structure Factor Calculations, Leucoemeraldine and Pernigraniline Phases*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 197 (1990)].
 194. A. Chakraborty, A.J. Epstein, M. Jarrell, and E.M. McCarron, *Magnetic Ordering $La_2Cu_{1-x}Zn_xO_{4-y}$* , **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 248 (1990)].
 195. J. Yue, A.J. Epstein, and A.G. MacDiarmid, *Self-Protonic Acid Doping Conducting Polyaniline*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 372 (1990)].
 196. J.M. Ginder, K. Kim, J.M. Leng, A.J. Epstein, J.G. Masters, Y. Sun, and A.G. MacDiarmid, *Thermochromism in Polyaniline*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 419 (1990)].
 197. J.L. Brédas, C. Quatrocchi, J. Libert, F. Meyers, A.J. Epstein, and A.G. MacDiarmid, *Influence of Ring Torsions on the Electronic Properties of Polyanilines and Polyparaphenylene Sulfide*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 419 (1990)].
 198. R.P. McCall, J.M. Ginder, J.M. Leng, H.J. Ye, A.J. Epstein, S.K. Manohar, J.G. Masters, G.E. Asturias, Y. Sun, and A.G. MacDiarmid, *Long-Lived Photoinduced Defect States in Polyaniline*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 524 (1990)].
 199. J.M. Leng, J.M. Ginder, R.P. McCall, H.J. Ye, A.J. Epstein, Y. Sun, S.K. Manohar, and A.G. MacDiarmid, *Photoexcitations in Pernigraniline Peierls Gap and Defect States*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 524 (1990)].
 200. Z.H. Wang, H.H.S. Javadi, A.J. Epstein, A. Ray, and A.G. MacDiarmid, *Electron Localization in Polyaniline Derivatives*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 577 (1990)].

201. K.S. Narayan, K.M. Chi, A.J. Epstein, and J.S. Miller, *Spin Dilution in Quasi-One-Dimensional Ferromagnetic (DMeFc)(TCNE)*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 594 (1990)].
202. H.J. Ye, R.P. McCall, J.M. Ginder, J.M. Leng, A.J. Epstein, W.E. Farneth, E.M. McCarron, and S.I. Shah, *Photoexcitations in Semiconducting YBa₂Cu₃O_x*, **American Physical Society 1990 March Meeting**, Anaheim, California, 12-16 March 1990 [Bulletin of the American Physical Society 35, 720 (1990)].
203. J. Yue, A.J. Epstein, and A.G. MacDiarmid, *Synthesis of Aqueous Soluble Self-Doped Conducting Polyaniline*, **200th American Chemical Society**, Washington, DC, 26-31 August 1990.
204. D.B. Swanson, A.G. MacDiarmid, and A.J. Epstein, *Impedance Profiling: A Convenient Technique for Determining the Redox or Protonic Acid Doping Characteristics of Conducting Polymers*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
205. J.G. Masters, Y. Sun, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline: Allowed Oxidation States*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
206. S.K. Manohar, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline: Pernigraniline, An Isolable Intermediate in the Conventional Chemical Synthesis of Emeraldine*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
207. E.M. Scherr, A.G. MacDiarmid, S.K. Manohar, J.G. Masters, Y. Sun, X. Tang, M.A. Druy, P.J. Glatkowski, V.B. Cajibe, J.E. Fischer, K.R. Cromack, M.E. Jozefowicz, J.M. Ginder, R.P. McCall, and A.J. Epstein, *Polyaniline: Oriented Films and Fibers*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
208. J.M. Leng, J.M. Ginder, R.P. McCall, H.J. Ye, A.J. Epstein, Y. Sun, S.K. Manohar, and A.G. MacDiarmid, *Photoexcitation Spectroscopy of Pernigraniline*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
209. R.P. McCall, J.M. Ginder, J.M. Leng, K.A. Coplin, H.J. Ye, A.J. Epstein, G.E. Asturias, S.K. Manohar, J.G. Masters, E.M. Scherr, Y. Sun, and A.G. MacDiarmid, *Photoinduced Absorption and Erasable Optical Information Storage in Polyanilines*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
210. K.R. Cromack, A.J. Epstein, J. Masters, Y. Sun, and A.G. MacDiarmid, *Light Induced Electron Spin Resonance in Polyaniline*, **International Conference on**

- Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
211. Z.H. Wang, A.J. Epstein, A. Ray, and A.G. MacDiarmid, *Electron Localization in Polyaniline and Its Derivatives*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
 212. M.E. Jozefowicz, A.J. Epstein, J.P. Pouget, J.G. Masters, A. Ray, Y. Sun, X. Tang, and A.G. MacDiarmid, *X-ray Structure of Polyanilines*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
 213. J. Yue, A.J. Epstein, Z. Zhong, P.K. Gallagher, and A.G. MacDiarmid, *Thermal Stabilities of Polyaniline*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
 214. C.H. Hsu, P. Vaca-Segonds, and A.J. Epstein, *Polyaniline/PPD-T Fibers*, **International Conference on Science and Technology of Synthetic Metals**, Tubingen, Germany, 2-7 September 1990.
 215. T.L. Gustafson, K. Iwata, W.L. Weaver, L.B. Lin, L.A. Huston, J.M. Ginder, and A.J. Epstein, *Solvent/Solute Interactions Probed by Picosecond Transient Raman Spectroscopy*, **Symposium on Ultrafast Spectroscopy, Federation of Analytical Chemistry and Spectroscopy Societies**, Cleveland, Ohio, October 1990.
 216. K.S. Narayan, K.M. Chi, A.J. Epstein, and J.S. Miller, *Three-Dimensional Ordering Spin Excitations and Dilution Effects in Quasi-1-D Ferromagnetic (DMeFc)(TCNE)*, **35th Annual Conference on Magnetism and Magnetic Materials**, San Diego, California, 29 October-1 November 1990.
 217. L.B. Lin, K. Iwata, J.M. Ginder, R.P. McCall, T.L. Gustafson, A.J. Epstein, and A.G. MacDiarmid, *Picosecond Photoinduced Absorption Studies of the 3.0 eV Band of the Emeraldine Base Form of Polyaniline*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 377 (1991)].
 218. J.G. Masters, A.G. MacDiarmid, K. Kim, J.M. Ginder, and A.J. Epstein, *Photoluminescence of Polyaniline and Its Derivatives*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 377 (1991)].
 219. M.E. Jozefowicz, R.P. McCall, A.J. Epstein, X. Tang, Y. Sun, J.M. Masters, and A.G. MacDiarmid, *Long-Time Behavior of the Photoinduced FTIR Signal in Polyanilines*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 427 (1991)].

220. K.A. Coplin, R.P. McCall, J.M. Ginder, A.J. Epstein, and A.G. MacDiarmid, *Implications of Defect Mass for Erasable Optical Information Storage in Polyaniline*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 427 (1991)].
221. X. Tang, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline Gels: A New Form of Polyaniline*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 427-428 (1991)].
222. G. Du, A. Burns, Z.H. Wang, A.J. Epstein, D.B. Swanson, N. Theophilou, E.M. Scherr, A.G. MacDiarmid, F. Arnold, C.Y.C. Lee, R. Spry, and C.S. Wang, *Anisotropic AC Transport of Oriented, Undoped Polymers*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 427-428 (1991)].
223. K.R. Cromack, A.J. Epstein, J.G. Masters, Y. Sun, and A.G. MacDiarmid, *Spin Coupling of Photoinduced Defects in Polyanilines*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 527 (1991)].
224. Z.H. Wang, A.J. Epstein, D.B. Swanson, and A.G. MacDiarmid, *EPR Studies of Pristine N-(CH)_x*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 527 (1991)].
225. K.S. Narayan, K.M. Chi, G.T. Yee, A.J. Epstein, and J.S. Miller, *Effect of Magnetic and Non-magnetic Impurities in Quasi-1D Ferromagnetic (DMeFc)(TCNE)*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 590 (1991)].
226. A. Chakraborty, A.J. Epstein, W.N. Lawless, and J.S. Miller, *One-Dimensional Ferromagnetism: Decamethylferrocenium Tetracyano-ethanide*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 590 (1991)].
227. J. Yue, Z.H. Wang, K.R. Cromack, A.J. Epstein, and A.G. MacDiarmid, *Charge Localization in Ring-Sulfonated Polyaniline*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 781 (1991)].
228. Y. Sun, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline: N-Type Doping of Pernigraniline Base*, **American Physical Society 1991 March Meeting**,

- Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 781 (1991)].
229. J.M. Leng, R.P. McCall, J.M. Ginder, A.J. Epstein, Y. Sun, S.K. Manohar, and A.G. MacDiarmid, *Pernigraniline Base: Peierls vs. $\tilde{\square}$ * Gap*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 782 (1991)].
230. S.L. Zhao, Z.H. Wang, A.J. Epstein, S.K. Manohar, and A.G. MacDiarmid, *Transport Studies of Fibers of Poly(o-ethoxyaniline)*, **American Physical Society 1991 March Meeting**, Cincinnati, Ohio, 18-22 March 1991 [Bulletin of the American Physical Society 36, 782 (1991)].
231. R.P. McCall, J.M. Ginder, K.A. Coplin, and A.J. Epstein, *Erasable Optical Information Storage in Polyaniline*, **Materials Research Society Spring Meeting**, Anaheim, California, 29 April-3 May 1991.
232. M.E. Jozefowicz, R.P. McCall, A.J. Epstein, X. Tang, Y. Sun, J.M. Masters, and A.G. MacDiarmid, *Long-time Behavior of the Photoinduced FTIR Signal in Polyanilines*, **Society for Applied Spectroscopy**, Columbus, Ohio, 19 April 1991.
233. K.A. Coplin, R.P. McCall, J.M. Ginder, A.J. Epstein, and A.G. MacDiarmid, *Implications of Defect Mass for Erasable Optical Information Storage in Polyaniline*, **Society for Applied Spectroscopy**, Columbus, Ohio, 19 April 1991.
234. J. Yue, A.J. Epstein, and A.G. MacDiarmid, *XPS Study of Sulfonated Polyaniline*, **American Chemical Society 1991 National Meeting**, Atlanta, Georgia, 14-19 April 1991.
235. K. Kim, L.B. Lin, J.M. Ginder, T.L. Gustafson, and A.J. Epstein, *Luminescence and Picosecond Photoinduced Absorption of Polyaniline*, **International Topical Conference on Optical Probes of Conjugated Polymers**, Snowbird, Utah, 19-22 August 1991.
236. J. Yue and A.J. Epstein, *Proton Transport of Modified Sulfonated Polyaniline Electrode and Related Applications*, **Materials Research Society Fall Meeting**, Boston, Massachusetts, 2-6 December 1991.
237. J.S. Miller and A.J. Epstein, *Molecular/Organic Based Magnets*, **Materials Research Society Fall Meeting**, Boston, Massachusetts, 2-6 December 1991.
238. Z.H. Wang, A. Burns, J.S. Joo, A.J. Epstein, C.S. Wang, J.A. Osaheni, and S.A. Jenekhe, *Transport Properties of Ion-Implanted Ladder and Rigid Rod Conducting Polymers*, **Materials Research Society Fall Meeting**, Boston, Massachusetts, 2-6 December 1991 (Paper N11.36).

261. J.M. Leng, J.M. Ginder, R.P. McCall, H.J. Ye, Y. Sun, S.K. Manohar, A.G. MacDiarmid, and A.J. Epstein, *Photoexcitations in Pernigraniline: Ring-Torsional Polarons and Bond-Order Solutions*, **Materials Research Society Fall Meeting**, Boston, Massachusetts, 2-6 December 1991.
239. G. Du, J. Joo, A.J. Epstein, G.T. Yee, J.M. Manriquez, and J.S. Miller, *Charge Transport in $V(TCNE)_x$ Magnet*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 271 (1992)].
240. J. Joo, G. Du, A.J. Epstein, J.M. Manriquez, G.T. Yee, and J.S. Miller, *Microwave Conductivity and Dielectric Constant of $V(TCNE)_x$ Magnet*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 271 (1992)].
241. K.S. Narayan, P. Zhou, A.J. Epstein, G. Yee, J. Manriquez, and J.S. Miller, *Magnetism of $V[TCNE]_x \cdot y[CH_2Cl_2]$* , **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 326 (1992)].
242. B.G. Morin, K.S. Narayan, P. Zhou, S.M. Long, A.J. Epstein, G. Yee, and J. Manriquez, J.S. Miller, *Susceptibility of Molecular Based Magnets $V(TCNE)_x$* , **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 326 (1992)].
243. P. Zhou, K.S. Narayan, B. Morin, S.M. Long, A.J. Epstein, G. Yee, J. Manriquez, and J.S. Miller, *Magnetic Properties and Critical Behavior of High- T_c Molecular-Based Ferrimagnetic Amorphous $V[TCNE]_x \cdot y[CH_3CN]$* , **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 326 (1992)].
244. S.M. Long, K.S. Narayan, P. Zhou, B.G. Morin, A.J. Epstein, J.M. Manriquez, G.T. Yee, and J.S. Miller, *EPR of Molecular Based Magnets, $V(TCNE)_x$* , **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 326 (1992)].
245. L.B. Lin, T.L. Gustafson, A.J. Epstein, and A. G. MacDiarmid, *Picosecond Photoinduced Bleaching Studies of the Exciton Band of the Emeraldine Base Form of Polyaniline in Solution*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 412 (1992)].
246. K.S. Narayan, O. Heres, A.J. Epstein, and J.S. Miller, *Magnetic Field Induced Phase Transitions in the Molecular Electron-Transfer Salt $[Mn^{2+}][DDQ]$* , **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 448 (1992)].

247. P. Zhou, K.S. Narayan, B. Morin, A.J. Epstein, and J. S. Miller, *Magnetic Spin Coupling in the Donor-Acceptor Charge Transfer Salt [CrCp*₂]*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 449 (1992)].
248. A. Burns, R. P. McCall, G. Du, J. Joo, A.J. Epstein, and C.S. Wang, *Infrared and Photoinduced Infrared Studies of Rigid Rod and Ladder Polymers*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 505 (1992)].
249. K.A. Coplin, R.P. McCall, A.J. Epstein, S. K. Manohar, Y. Sun, and A. G. MacDiarmid, *New Long-Lived Photoinduced Absorption in Polyaniline*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 506 (1992)].
250. R.P. McCall, A.J. Epstein, E.M. Scherr, and A. G. MacDiarmid, *Polarized Optical Studies of Oriented Polyaniline*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 506 (1992)].
251. J.G. Masters, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline: Allowed Oxidation States in the Solid State*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 506 (1992)].
252. S.K. Manohar, A. Fagot, A.G. MacDiarmid, R.C.-Y. King, and A.J. Epstein, *Synthesis of High Molecular Weight Polyaniline and Block Copolymers of Polyaniline*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 506 (1992)].
253. E.J. Oh, Y. Min, S.K. Manohar, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline: Dependency of Selected Properties on Molecular Weight*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 569 (1992)].
254. G. Du, Z.H. Wang, A. Burns, J. Joo, A.J. Epstein, S.A. Jenekhe, J.A. Osaheni, and C.S. Wang, *Charge Transport in Ion-Implanted Polymers*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 569 (1992)].
255. J. Joo, Z.H. Wang, G. Du, A. Burns, A.J. Epstein, J.A. Osaheni, S.A. Jenekhe, and C.S. Wang, *High Microwave Dielectric Constants of Ion-implanted Polymers*, **American Physical Society 1992 March Meeting**, Indianapolis, Indiana, 16-20 March 1992 [Bulletin of the American Physical Society 37, 724 (1992)].

256. A.J. Epstein and J.S. Miller, *Molecular/Polymer Magnets*, **International Conference on Science and Technology of Synthetic Metals**, Göteborg, Sweden, 12-18 August 1992.
257. S.M. Long, A.J. Epstein, K.R. Cromack, Y. Sun, and A.G. MacDiarmid, *High Resolution ESR of Polyaniline Solutions: Solitons in PNB*, **International Conference on Science and Technology of Synthetic Metals**, Göteborg, Sweden, 12-18 August 1992.
263. G. Du, J. Joo, A. Burns, Z. Wang, S. Jasti, P. Zhou, S.A. Jenekhe, J.A. Osaheni, C.S. Wang, and A.J. Epstein, *Weak Localization, Electron-Electron Interaction, and Metal-Insulator Transition in Ion-Implanted Polymers*, **International Conference on Science and Technology of Synthetic Metals**, Göteborg, Sweden, 12-18 August 1992.
264. G. Du, J. Joo, A.J. Epstein, and J.S. Miller, *Anomalous Charge Transport Phenomena in Molecular-Based Magnet $V(TCNE)_x \cdot y(\text{solvent})$* , **Conference on Magnetism and Magnetic Materials**, Houston, Texas, 1-4 December 1992.
265. F. Zuo, S.Zane, P. Zhou, A.J. Epstein, R.S. McLean, and J.S. Miller, *Ferromagnetic Behavior of Decamethylchromocenium Tetracyanoethanide $(CrCp_2^*)(TCNE)$* , **Conference on Magnetism and Magnetic Materials**, Houston, Texas, 1-4 December 1992, .
266. P. Zhou, A.J. Epstein, R.S. McLean, and J.S. Miller, *Spin Frustration and Compensation Behavior in a Molecular-based Quasi-1-D Ferrimagnetic Chain: $[MnTPP] [TCNE]$* , **Conference on Magnetism and Magnetic Materials**, Houston, Texas, 1-4 December 1992.
267. B.G. Morin, P. Zhou, C. Hahm, A.J. Epstein, and J.S. Miller, *Complex AC Susceptibility Studies of the Disordered Molecular Based Magnets $V(TCNE)_x$: Role of Spinless Solvent*, **Conference on Magnetism and Magnetic Materials**, Houston, Texas, 1-4 December 1992.
268. S. Jasty and A.J. Epstein, *EPR Study of Tsukamoto Polyacetylene: Crossover from 3D to 1D Spin Diffusion*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 58 (1993)].
269. K.S. Narayan, S.M. Long, A.J. Epstein, B.E. Taylor, R.J. Spry, S.J. Bai, and C.S. Wang, *Photoconductivity and Thermal Induced Effects in Polybenzimidazobenzophenanthroline (BBL)*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 110 (1993)].
270. G. Du, P. Zhou, A.J. Epstein, T. Ishiguro, and J. Tsukamoto, *Unusually High Density of States in Conducting Polyacetylene*, **American Physical Society 1993**

- March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 159 (1993)].
271. G. Du, J. Joo, A. Burns, A. J. Epstein, S.A. Jenekhe, and J.A. Osaheni, *Ion Dosage Dependence of Metal-Insulator Transition for Ion-Implanted Polymers*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 238 (1993)].
272. S. Jasty, A.J. Epstein, J.A. Osaheni, and S.A. Jenekhe, *Magnetic Susceptibility of Ion-Implanted Polymers: Effects of Disorder and Electron-Electron Interaction*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 238 (1993)].
273. A.G. MacDiarmid, J. Wiesinger, and A.J. Epstein, *Polyaniline: "Secondary Doping" - A New Concept of Doping*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 311 (1993)].
274. J. Joo, Z. Oblakowski, G. Du, A.J. Epstein, J.P. Pouget, Y. Min, and A.G. MacDiarmid, *Structural Control of Charge Delocalization: Metallic States of Polyaniline*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 311 (1993)].
275. S.M. Long, K.R. Cromack, A.J. Epstein, Y. Sun, and A.G. MacDiarmid, *EPR Determined Spin Distribution of Paramagnetic Defects in Solutions of Pernigraniline Base: The Structure of Neutral Solitons*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 311 (1993)].
276. K. Kim, T.L. Gustafson, A.J. Epstein, and A.G. MacDiarmid, *Transient Photoinduced Absorption in Pernigraniline Base: Excitation Droplet Formation*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 312 (1993)].
277. K.A. Coplin, S.W. Jessen, A.J. Epstein, S.K. Manohar, and A.G. MacDiarmid, *Effect of Ring Substitution on Neutral Soliton Formation in Pernigraniline Base*, **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 312 (1993)].
278. B.G. Morin, P. Zhou, C. Hahm, A.J. Epstein, R.S. McLean, and J.S. Miller, *Dynamic Experiments on the Molecular Ferrimagnetic Reentrant Spin Glass $V(TCNE)_x \cdot y(CH_3CN)$* , **American Physical Society 1993 March Meeting**, Seattle, Washington, March 21-26, 1993 [Bulletin of the American Physical Society 38, 533 (1993)].

279. B.G. Morin, C. Hahm, P. Zhou, and A.J. Epstein, *Molecular Magnets $V(TCNE)_x \cdot y(\text{solvent})$: New Class of Materials for Shielding Applications*, **38th Annual Conference on Magnetism and Magnetic Materials**, Minneapolis, MN 15-18 Nov. 1993 [Abstract BD-06].
280. P. Zhou, W.B. Brinckerhoff, B.G. Morin, A.J. Epstein, and J.S. Miller, *Magnetization of Room-Temperature Molecular-Based Magnet*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 92 (1994)].
281. R.S. Kohlman, A.J. Epstein, H. Kaneko, and T. Ishiguro, *The Metallic State in Highly Conducting Polypyrrole via Optical Spectroscopy*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 159 (1994)].
282. X. Wei, Y. Wang, S.M. Long, C. Bobeczko, and A.J. Epstein, *Highly Sulfonated Polyaniline: Synthesis and Characterization*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 159-160 (1994)].
283. Y. Wang, J. Joo, S. Jasty, A.J. Epstein, and C. H. Hsu, *Transport Studies on CSA Doped Polyaniline and Poly(o-toluidine) Fibers*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 160 (1994)].
284. J. Joo, G. Du, A.J. Epstein, and J. Tsukamoto, *Microwave Dielectric Response of Doped Polyacetylene*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 160 (1994)].
285. X. Wei, S.M. Long, G. Du, Y. Wang, S.W. Jessen, Z. Zhong, and A.J. Epstein, *Synthesis and Characterization of Highly Fluorinated Polyaniline*. **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 160 (1994)].
286. S.M. Long, A.J. Epstein, Y. Sun, and A.G. MacDiarmid, *Neutral Solutions in Pernigraniline Base: Effect of Coulomb Repulsion*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 222 (1994)].
287. G. Du and A.J. Epstein, *Critical Behavior in Metal-Insulator Transition in Carbon Black*. **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 324 (1994)].
288. J.W. Blatchford, L.B. Lin, K. Kim, A.J. Epstein, T.L. Gustafson, and A.G. MacDiarmid, *Evolution of Transient Absorption in Pernigraniline Base (PNB)*.

- American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 338 (1994)].
289. S.W. Jessen, R.S. Kohlman, A.J. Epstein, and A.G. MacDiarmid, *Near Steady State Photoinduced Absorption of Emeraldine Base Form of Polyaniline*. **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 338 (1994)].
290. R.S. Kohlman, A.J. Epstein, G. Min, and A.G. MacDiarmid, *Evolution of the Optical Response of Polyaniline: Effects of Inhomogeneous Disorder on the Metallic State*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 338-339 (1994)].
291. J.K. Avlyanov, Y. Xia, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline as a Polyelectrolyte*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 426 (1994)].
292. W. Zheng, A.G. MacDiarmed, and A.J. Epstein, *Polyaniline: "Secondary Doping" in the Methane Sulfonic Acid and Related Systems*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 426 (1994)].
293. H.-L. Wang, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline: "Secondary Doping" in the Dodecylbenzenesulfonic Acid System*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 426 (1994)].
294. Y. Min, Y. Xia, J.K. Avlyanov, A.G. MacDiarmid, and A.J. Epstein, *Polyaniline: "Secondary Doping" in the d,l-Comphorsulfonic Acid System*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 426 (1994)].
295. W.B. Brinckerhoff, A.J. Epstein, and Joel S. Miller, *Specific Heat of Molecular-based Magnet, $V[TCNE]_x \cdot y[CH_3CN]$* . **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 793 (1994)].
296. B.G. Morin, B.M. Burkhart, M. Sundaralingam, P. Zhou, A.J. Epstein, and J.S. Miller, *Molecular Quasi 1-D Ferrimagnet $[MnTPP] \{TCNE\}$ with 3-D Spin Glass Phase*, **American Physical Society 1994 March Meeting**, Pittsburgh, PA. 21-25 March 1994. [Bulletin of the American Physical Society 39, 794 (1994)].
297. X. Wei and A.J. Epstein, *A Methodology for Increasing Yields of Polyanilines*, **Joint Regional American Chemical Society Meeting**, Ann Arbor, MI, 1-3 June 1994.

298. J. Joo, Y Wang, G. Du, A.J. Epstein, H. Kaneko, T. Ishiguro, and J. Tsukamoto, *The Metallic State of Doped Polyacetylene and Polypyrrole*, **International Conference on Science and Technology of Synthetic Metals**, Seoul, Korea 24-29 July 1994.
299. R.S. Kohlman, A.J. Epstein, G. Min, and A.G. MacDiarmid, *Evolution of Dielectric Response in Polyaniline*, **International Conference on Science and Technology of Synthetic Metals**, Seoul, Korea 24-29 July 1994.
300. A.G. MacDiarmid and A.J. Epstein, *"Secondary Doping" - A New Concept in Conducting Polymers*, **International Conference on Science and Technology of Synthetic Metals**, Seoul, Korea 24-29 July 1994.
301. J.P. Pouget, M. Laridjani, C.H. Hsu, A.G. MacDiarmid, and A.J. Epstein, *Interplay Between Structural and Electronic Properties of Metallic Polymers*, **International Conference on Science and Technology of Synthetic Metals**, Seoul, Korea 24-29 July 1994.
302. Y. Wang, J. Joo, S. Jasty, A.J. Epstein, and C.-H. Hsu, *Charge Transport of Camphor Sulfonic Acid Doped Polyaniline and Poly(o-toluidine) Fibers*, **International Conference on Science and Technology of Synthetic Metals**, Seoul, Korea 24-29 July 1994.
303. Y. Min, Y. Xia, A.G. MacDiarmid, and A.J. Epstein, *Vapor Phase "Secondary Doping" of Polyaniline*, **International Conference on Science and Technology of Synthetic Metals**, Seoul, Korea 24-29 July 1994.
- 304.. J. Zhang, J.S. Miller, and A.J. Epstein, *Synthesis and Characterization of Vanadium-Containing Room- Temperature, Molecule-Based Magnets*, **208th National American Chemical Society Meeting**, 21-26 August 1994, Washington, DC [Abstract INOR500].
305. P. Zhou, W.B. Brinckerhoff, S. Long, E. B.Randon, J.S. Miller, and A.J. Epstein, *Magnetic Properties of Molecular Magnet [MnTPP][TCNE]*, **Fourth International Conference on Molecule-Based Magnets**, Salt Lake City, UT 16-21 October 1994.
306. W.B. Brinckerhoff, J.S. Miller, and A.J. Epstein, *Specific Heat of Quasi-1D Molecular Magnet [MnTPP][TCNE]·2PhMe*, **Fourth International Conference on Molecule-Based Magnets**, Salt Lake City, UT 16-21 October 1994.
307. W.B. Brinckerhoff, P. Zhou, J. Zhang, J.S. Miller, and A.J. Epstein, *Magnetization of High-Tc Molecular Ferrimagnet V/TCNE/CH₂Cl₂*, **Fourth International Conference on Molecule-Based Magnets**, Salt Lake City, UT 16-21 October 1994.

308. T. Ishiguro, T.H. Gilani, H. Kaneko, R.S. Kohlman, J. Joo, A.J. Epstein, K. Nagamine, and F.L. Pratt, *Anomalous Metallic Phase in Polypyrrole*, **Meeting of the Japanese Physical Society**, Japan, March 1995.
309. J.W. Blatchford, L.-B. Lin, J.-J. Lih, T.L. Gustafson, A.J. Epstein, T.M. Swager, A.G. MacDiarmid, T. Yuzama, and H. Hamaguchi, *Ultrafast Dynamics of Photoexcitations in Poly(p-pyridyl vinylene)*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995 [Bulletin of the American Physical Society 40, 48, 1995].
310. S.W. Jessen, T.L. Gustafson, A.J. Epstein, H.L. Wang, T.M. Swager, A.G. MacDiarmid, T. Yuzama, and H. Hamaguchi, *Near Steady State Photoinduced Absorption of Pyridine-Based Polymers*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995 [Bulletin of the American Physical Society 40, 48, 1995].
311. D.D. Gebler, Y.A. Wang, J.W. Blatchford, S.W. Jessen, L.B. Lin, T.L. Gustafson, A.J. Epstein, H.L. Wang, T.M. Swager, and A.G. MacDiarmid, *Blue Electroluminescent Devices Based on Soluble Poly(p-pyridine)*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995 [Bulletin of the American Physical Society 40, 228, 1995].
312. Y.Z. Wang, D.D. Gebler, L.B. Lin, T.L. Gustafson, A.J. Epstein, H.L. Wang, T.M. Swager, and A.G. MacDiarmid, *New Configuration for Polymer Electroluminescent Devices Based on Poly(p-pyridine)*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995 [Bulletin of the American Physical Society 40, 228, 1995].
313. A.G. MacDiarmid, Z. Huang, and A.J. Epstein, *Polyaniline: Inter-relationships Between Molecular Conformation and Electronic Properties*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995 [Bulletin of the American Physical Society 40, 281, 1995].
314. S. Jasty and A.J. Epstein, *XPS Study of Iron on Polyaniline (Emeraldine Base and Salt)*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995 [Bulletin of the American Physical Society 40, 281 (1995)].
315. R.S. Kohlman, A.J. Epstein, Y.G. Min, A.G. MacDiarmid, *Inhomogeneous Metallic State of Polyaniline: Effects of Processing*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995 [Bulletin of the American Physical Society 40, 281 (1995)].
316. S.M. Long, A.J. Epstein, Y. Min, Y. Sun, and A.G. MacDiarmid, *Internal Structure of Nonlinear Excitations in Polyaniline*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995. [Bulletin of the American Physical Society 40, 281 (1995)].

317. G. Du, A.J. Epstein, J. Avlyanov, and A.G. MacDiarmid, *Transport and Dielectric Properties of Camphor Sulfonic Acid (HCSA)-Doped Polyaniline/Nylon Composites*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995 [Bulletin of the American Physical Society 40, 282 (1995)].
318. W.B. Brinckerhoff, P. Zhou, A.J. Epstein, E.J. Brandon, K. Sugiura, and J.S. Miller, *Diverse Phase Structure in Metalloporphyrin-Based Magnets*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995. [Bulletin of the American Physical Society 40, 328 (1995)].
319. W.B. Brinckerhoff, P. Zhou, A.J. Epstein, J. Zhang, and J.S. Miller, *Tuning the Magnetic State of V/TCNE/Solvent Molecule-Based Magnets*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995. [Bulletin of the American Physical Society 40, 328, 1995].
320. S.M. Long, P. Zhou, A.J. Epstein, J. Zhang, and J.S. Miller, *Magnetic Resonance Studies of Disorder in High- T_c Vanadium Tetracyanoethylene Based Molecular Magnets*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995. [Bulletin of the American Physical Society 40, 329, 1995].
321. J. Joo, R.S. Kohlman, Y.Z. Wang, A.J. Epstein, and H. Kaneko, *Drude Metallic Response of Doped Polypyrroles*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995. [Bulletin of the American Physical Society 40, 345, 1995].
322. L.B. Lin, J.J. Lih, J.W. Blatchford, D.D. Gebler, Y.Z. Wang, S.W. Jessen, T.L. Gustafson, A.J. Epstein, H.L. Wang, T.M. Swager, and A.G. MacDiarmid, *Observation of Phosphorescence from Electroluminescent Polypyridine*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995. [Bulletin of the American Physical Society 40, 346, 1995].
323. R.S.Kohlman, A.J. Epstein, and L. Zuppiroli, *Electronic Response of Polyanion Doped Polypyrrole*, **American Physical Society 1995 March Meeting**, San Jose, CA., March 1995. [Bulletin of the American Physical Society 40, 346, 1995].
324. J. Joo, E.J. Oh, and A.J. Epstein, *Electromagnetic Interference Shielding Capability of Conducting Polymers in Far-Field and Near-Field Regions*, **Molecular Electronics and Devices Symposium**, Korea Research Institute of Chemical Technology, Seoul, Korea, May 1995.
325. S.W. Jessen, D.D. Gebler, Y.Z. Wang, J.W. Blatchford, L.B. Lin, T.L. Gustafson, H.L. Wang, T.M. Swager, A.G. MacDiarmid and A.J. Epstein, *Photophysics of Poly(p-pyridine): Blue Electroluminescent Devices from a Soluble Conjugated Polymer*, **209th American Chemical Society Meeting**, Anaheim, CA, 2-4 April, 1995.

326. S. Jasty and A.J. Epstein, *Corrosion Prevention Capability of Polyaniline (Emeraldine Base and Salt): An XPS Study*, **209th American Chemical Society Meeting**, Anaheim, CA, 2-4 April, 1995.
327. H.L. Wang, M.J. Marsella, D.K. Fu, T.M. Swager, A.G. MacDiarmid and A.J. Epstein, *Electro - and Photo - luminescent Properties of Nitrogen Analogs of PPV: Poly(Pyridyl Vinylene)*, **210th American Chemical Society National Meeting**, Chicago, IL, 20-24 August 1995.
328. W. Zheng, A.G. MacDiarmid and A.J. Epstein *Conformational Effects in Doped Polyaniline: Protonation of Amine and Imine Sites vs. Protonation of Only Imine Sites*, **210th American Chemical Society National Meeting**, Chicago, IL, 20-24 August 1995.
329. Y.Z. Wang, D.D. Gebler, A.J. Epstein, H.L. Wang, T.M. Swager, and A.G. MacDiarmid, *Symmetrically Configured AC Light-Emitting (SCALE) Devices: Generalizations and Variations*, **Materials Research Society Meeting**, Boston, MA, 27 November - 1 December 1995.
330. M. Angelopoulos, L.H. Liao, A.G. MacDiarmid, G. Min, W. Zheng, A.J. Epstein, R. Kohlman, S. Long, and Y. Z. Wang, *A Comprehensive Study of the Effect of LiCl on the Morphological Structure and on the Electronic and Transport Properties of Polyaniline*, **Materials Research Society Meeting**, Boston, MA, 27 November - 1 December 1995.
331. W. Zheng, Y. Min, S.-J. Lee, A.G. MacDiarmid, M. Angelopoulos, Y.-H. Liao, and A.J. Epstein, *The Molecular Conformation of Non-Doped Polyaniline and Its Effect on the Properties of Doped Polyaniline*, **Materials Research Society Meeting**, Boston, MA, 27 November - 1 December 1995.
332. J.W. Blatchford, L.B. Lin, S.W. Jessen, J.J. Lih, T.L. Gustafson, A.J. Epstein, H.L. Wang, T.M. Swager, and A.G. MacDiarmid, *Optical Studies of Pyridine-Based Conjugated Polymers*, **Materials Research Society Meeting**, Boston, MA, 27 November - 1 December 1995.
333. W.B. Brinckerhoff, M. Girtu, A.J. Epstein, E.J. Brandon, and Joel S. Miller, *Harmonic Susceptibilities of Quasi-1D Reentrant Ferimagnetic Spin*, **American Physical Society 1996 March Meeting**, St. Louis, MO. 18-22 March 1996. [Bulletin of the American Physical Society 41, 229 (1996)].
334. C.M. Wynn, M.A. Girtu, A.J. Epstein, and Joel S. Miller, *Control of 3D Magnetic Order in Quasi-1D Metalloporphyrin Systems*, **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996. [Bulletin of the American Physical Society 41, 229 (1996)].
335. C.M. Wynn, M.A. Girtu, A.J. Epstein, and Joel S. Miller, *Effect of Solvent Substitution on the 3D Ordering of Quasi-1D Metalloporphyrin-Based Magnets*,

- American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996. [Bulletin of the American Physical Society 41, 229 (1996)].
336. S.W. Jessen, J.W. Blatchford, L.-B. Lin, T.L. Gustafson, A.J. Epstein, J. Partee, J. Shinar, D.-K. Fu, T.M. Swager, and A.G. MacDiarmid, *Characterization of the Photoexcitations in Pyridine Based Polymers*, **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996. [Bulletin of the American Physical Society 41, 492 (1996)].
337. W.P. Lee, G. Du, R.S. Kohlman, A.J. Epstein, Y. Min, A.G. MacDiarmid, and J. Joo, *Transport Properties of Doped-Polyaniline Near the Insulator - Metal Transition*, **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996. [Bulletin of the American Physical Society 41, 557 (1996)].
338. R. S. Kohlman, A.J. Epstein, D.B. Tanner, G.G. Ihas, T. Ishiguro, H. Kaneko, Y.G. Min, and A.G. MacDiarmid, *Temperature Dependent Low Frequency Optical and DC Transport Near a Metal Insulator Transition*, **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996. [Bulletin of the American Physical Society 41, 557 (1996)].
339. G. Du, A.J. Epstein, and K.G. Reimer, *Nonmetal-Metal Transition in Conducting Polyaniline Coated Carbon Blacks*, **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996 [Bulletin of the American Physical Society 41, 557 (1996)].
340. X.L. Wei, and A.J. Epstein, *Quasi-random Oxidation Model: Simulation of the in situ EPR and CV Spectra*, **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996 [Bulletin of the American Physical Society 41, 557 (1996)].
341. Y.Z. Wang, D.D. Gebler, A.J. Epstein, T.M. Swager and A.G. MacDiarmid, *New Means of Forming High Surface Area Network Electrode for Polymer Light-Emitting Devices*, **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996 [Bulletin of the American Physical Society 41, 711 (1996)].
342. A.G. MacDiarmid, F. Huang, Z. Huang, P.C. Wang, J. Feng, W.J. Zhang, G.M. Whitesides, Y.Xia and A.J. Epstein, *Thin Films of Conducting Polymers in Electrochemical Light-Emitting Devices and in Microcontact Printing of Liquid Crystal Light Valves*, **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996 [Bulletin of the American Physical Society 41, 711 (1996)].
343. D.D. Gebler, Y.Z. Wang, A.J. Epstein, A.G. MacDiarmid, and T.M. Swager, *Electroluminescent Devices Based on Copolymers of Poly(phenylene vinylene) (PPV) and Poly(pyridyl vinylene) (PPyV)*, **American Physical Society 1996**

- March Meeting**, St. Louis, MO, 18-22 March 1996 [Bulletin of the American Physical Society 41, 711 (1996)].
344. W. Zheng, Y. Min, A.G. MacDiarmid, M. Angelopoulos, Y.-H. Liao, and A.J. Epstein, *The Molecular Conformation of Non-Doped Polyaniline and Its Effect on the Properties of Doped Polyaniline*. **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996 [Bulletin of the American Physical Society 41, 757 (1996)].
345. S.M. Long, K.R. Brenneman, R.S. Kohlman, A.Saprigin, A.J. Epstein, M. Angelopoulos, Y.-H. Liao, Y. Min, W. Zheng, and A.G. MacDiarmid, *Intrinsic Paramagnetic Defects in Emerne Base: Interchain Self-Doping*. **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996 [Bulletin of the American Physical Society 41, 757 (1996)].
346. A. Saprigin, R.S. Kohlman, K.R. Brenneman, S.M. Long, A.J. Epstein, Y. Min, A.G. MacDiarmid, M. Angelopoulos, and Y.H. Liao, *Optical and EPR Study of LiCl Pseudodoping of Emeraldine Base (EB)*. **American Physical Society 1996 March Meeting**, St. Louis, MO, 18-22 March 1996 [Bulletin of the American Physical Society 41, 757 (1996)].
347. A. Saprigin, R.S. Kohlman, S.M. Long, K.R. Brenneman, M. Angelopolous, Y.-H. Liao, W. Zheng, A.G. MacDiarmid, and A.J. Epstein, *Optical and EPR Studies of LiCl Pseudodoping of Emeraldine Base*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
348. S.M. Long, K.R. Brenneman, A. Saprigin, R.S. Kohlman, M. Angelopolous, S.L. Buchwalter, A. Rossi, W. Zheng, A.G. MacDiarmid, and A.J. Epstein, *Aggregation and Interchain "Self" Doping in Emeraldine Base*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
349. W. Lee, G. Du, S.M. Long, S. Shimizu, T. Saitoh, M. Uzawa, and A.J. Epstein, *Charge Transport Properties of Fully-Sulfonated Polyaniline*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
350. G. Du, J. Avlyanov, C.Y. Wu, K.G. Reimer, A. Benatar, A.G. MacDiarmid, and A.J. Epstein, *Inhomogeneous Charge Transport in Conducting Polyaniline*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
351. X.-L. Wei and A.J. Epstein, *Simulations of the In Situ Cyclic Voltammetry Dependent EPR Spectra and DC Conductivity*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.

352. M.A. Girtu, C.M. Wynn, K.I. Sugiura, Joel S. Miller, and A.J. Epstein, *The Influence of Disorder on the Magnetic Phenomena in Metalloporphyrin-Based Magnets*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
353. W. Zheng, Y. Min, A.G. MacDiarmid, M. Angelopoulos, Y.-H. Liao, and A.J. Epstein, *Aggregation and Molecular Conformation of Doped Polyaniline in Chloroform*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
354. W.J. Zhang, J. Feng, A.G. MacDiarmid, and A.J. Epstein, *Synthesis of Oligomeric Anilines*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
355. J.W. Blatchford, S.W. Jessen, T.L. Gustafson, and A.J. Epstein, *Interchain Interactions and Luminescence in Pyridine-Based Polymers*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
356. F. Huang, H.L. Wang, M. Feldstein, A.G. MacDiarmid, B.R. Hsieh, and A.J. Epstein, *Application of Thin Films of Conjugated Polymers in Conventional and Electrochemical Light-Emitting Devices and in Related Photovoltaic Devices*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
357. J. Feng, A.G. MacDiarmid, and A.J. Epstein, *Conformation of Polyaniline: Effect of Mechanical Shaking and Spin Casting*, **International Conference on Science and Technology of Synthetic Metals**, Snowbird, Utah, 28 July-2 August 1996.
358. M.A. Girtu, C.M. Wynn, K.-I. Sugiura, J.S. Miller, and A.J. Epstein, *The Effect of Disorder on the Linear and Nonlinear Magnetic AC Susceptibility of Two Metalloporphyrin-Based Magnets*, **41st Annual Conference on Magnetism and Magnetic Materials**, Atlanta, Georgia, 12-15 November 1996.
359. W.P. Lee, K.R. Brenneeman, A.J. Epstein, S. Shimizu, T. Saitoh, and M. Uzawa, *Audio Frequency AC Conduction in Sulfonated Polyanilines*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 39-40 (1997)].
360. M. Fahlman, J.A.O. Smallfield, and A.J. Epstein, *Emeraldine Base Reduction/Oxidation (EMBRO) Corrosion Protection of Iron/Steel*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 210 (1997)].
361. R.S. Kohlman, K. Bates, A.J. Epstein, J.P. Pouget, and L. Zuppiroli, *Low Frequency Modes in Doped Polypyrrole*, **Meeting of the American Physical**

- Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 212 (1997)].
362. M. Fahlman, J.A.O. Smallfield, and A.J. Epstein, *X-ray Photoelectron Spectroscopy Study of Effectiveness of Using Emeraldine Base Polyaniline as Corrosion Protecting Coats on Aluminum*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 212 (1997)].
363. K.A. Coplin, D.T. Clark, S.W. Jessen, A.J. Epstein, D.-K. Fu, and T.M. Swager, *Millisecond Photoinduced Absorption Studies of Pyridine-Based Copolymer Forms*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 531 (1997)].
364. A. Sapirgin, A.J. Epstein, J. Feng, W.J. Zhang, and A.G. MacDiarmid, *Absorption and Photoinduced Absorption of Aniline Oligomers*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 539 (1997)].
365. S.W. Jessen, N.V. Piskun, I.V. Lebedenko, D.D. Gebler, H.L. Andrews, T.L. Gustafson, A.J. Epstein, D.-K. Fu, and T.M. Swager, *Interchain Effects in Phenylene-Based Strapped Copolymers*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 541 (1997)].
366. Y.Z. Wang, D.D. Gebler, A.J. Epstein, D.-K. Fu, and T.M. Swager, *Color Switchable Bipolar/AC Light-Emitting Devices Based on Conjugated Polymers*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 656 (1997)].
367. S.W. Jessen, N.V. Piskun, I.V. Lebedenko, D.D. Gebler, H.L. Andrews, T.L. Gustafson, A.J. Epstein, D.-K. Fu, and T.M. Swager, *Interchain Effects in Phenylene-Based Strapped Copolymers*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 540 (1997)].
368. M.A. Girtu, C.M. Wynn, A.J. Epstein, W. Fujita, and K. Awaga, *Coexistence of Canted Antiferromagnetic and Spin Glass Behaviors in a Family of 2D Organometallic Nanocomposites*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 779 (1997)].
369. C.R. Kmety, C.M. Wynn, M.A. Girtu, A.J. Epstein, E.J. Brandon, and J.S. Miller, *Static, Dynamic, and Nonlinear Magnetic Response of Quasi-1D Manganeseporphyrin-Based Magnets*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society 42, 779 (1997)].

370. C.M. Wynn, M.A. Girtu, A.J. Epstein, J. Zhang, and J.S. Miller, *Magnetic Studies of $Mn(TCNE)_x \cdot y(\text{solvent})$: A New Member of the High T_c Molecule-Based $M(TCNE)_x \cdot y(\text{solvent})$ Family*, **Meeting of the American Physical Society**, Kansas City, Missouri, 17-21 March 1997 [Bulletin of the American Physical Society **42**, 779 (1997)].
371. J. Feng, W. Zhang, A.G. MacDiarmid, and A.J. Epstein, *Synthesis and Characterization of Oligomeric Anilines*, **Society of Plastics Engineers Annual Technical Conference (ANTEC 1997)**, Toronto, Canada, 27 April - 2 May 1997 [Society of Plastic Engineers 55th Annual Technical Paper, ANTEC '97, Volume 2, 1373-1377].
372. J.B. Ferguson, Y.Z. Wang, W. Takashima, A.J. Epstein, and T.M. Swager, *AC Impedance Studies of Pyridine-Based Polymer Light-Emitting Devices*, **Meeting of the American Physical Society**, Los Angeles, California, 16-20 March 1998 [Bulletin of the American Physical Society **43**, 300 (1998)].
373. G. Du, R.J. Spry, C. Grayson, B.A. Reinhardt, B.E. Taylor, F.C. DeLucia, Jr., T.L. Gustafson, A.J. Epstein, M.D. Alexander, Jr., and J.L. Burkett, *Photophysical Properties of a Non-Conjugated Polymer 6FPBO-OD*, **Meeting of the American Physical Society**, Los Angeles, California, 16-20 March 1998 [Bulletin of the American Physical Society **43**, 300 (1998)].
374. Y.Z. Wang, A.J. Epstein, F. Meghdadi, G. Leising, and T.M. Swager, *Voltage-Controlled Multicolor Organic Light-Emitting Devices*, **Meeting of the American Physical Society**, Los Angeles, California, 16-20 March 1998 [Bulletin of the American Physical Society **43**, 388 (1998)].
375. W.-P. Lee, A. Gudmundsdottir, M.S. Platz, A.J. Epstein, and A.P. Monkman, *Transport Properties of 60% Camphor Sulfonic Acid (CSA) Doped Polyanilines*, **Meeting of the American Physical Society**, Los Angeles, California, 16-20 March 1998 [Bulletin of the American Physical Society **43**, 476 (1998)].
376. K.R. Brenneeman, A.J. Epstein, P.K. Kahol, J. Feng, Y. Zhou, and A.G. MacDiarmid, *EPR of Aniline Oligomers*, **Meeting of the American Physical Society**, Los Angeles, California, 16-20 March 1998 [Bulletin of the American Physical Society **43**, 477 (1998)].
377. P.K. Kahol, A. Raghunathan, B.J. McCormick, and A.J. Epstein, *A Magnetic Study of Sulfonated Polyanilines*, **Meeting of the American Physical Society**, Los Angeles, California, 16-20 March 1998 [Bulletin of the American Physical Society **43**, 477 (1998)].
378. V.N. Prigodin and A.J. Epstein, *Chain-Linked Mesoscopic Granular Metal*, **Meeting of the American Physical Society**, Los Angeles, California, 16-20 March 1998 [Bulletin of the American Physical Society **43**, 792 (1998)].

379. R. Sun, Y. Wang, X. Zou, M. Fahlman, Q. Zheng, T. Kobayashi, T. Mashuda, A. J. Epstein, *Electroluminescence of Carbazole Polyacetylenes*, **International Society for Optics and Engineering Conference on Optical and Photonic Applications of Electroactive and Conducting Polymers**, San Diego, CA, 19-24 July 1998.
380. J. Joo, C.Y. Lee, H.G. Song, K.S. Jang, E.J. Oh, J.-W. Kim, and A.J. Epstein, *Electromagnetic Interference Shielding Efficiency of Polyaniline Mixtures and Multilayer Films*, **International Conference on Science and Technology of Synthetic Metals**, Montpellier, France, 12-18 July 1998.
381. P.K. Kahol, A. Raghunathan, B.J. McCormick, and A.J. Epstein, *High Temperature Magnetic Susceptibility Studies of Sulfonated Polyanilines*, **International Conference on Science and Technology of Synthetic Metals**, Montpellier, France, 12-18 July 1998.
382. K.R. Brenneeman, A.J. Epstein, P.K. Kahol, J. Feng, Y. Zhou, and A.G. MacDiarmid, *EPR of Mesoscale Polyanilines*, **International Conference on Science and Technology of Synthetic Metals**, Montpellier, France, 12-18 July 1998.
383. W.-P. Lee, K.R. Brenneeman, A.J. Epstein, A.D. Gudmundsdottir, M.S. Platz, P.K. Kahol, and A.P. Monkman, *Charge Transport and EPR of PAN-AMSPA*, **International Conference on Science and Technology of Synthetic Metals**, Montpellier, France, 12-18 July 1998.
384. F. Meghdadi, G. Leising, Y.Z. Wang, D.D. Gebler, T.M. Swager, and A.J. Epstein, *Colorful LEDs with PHP and PPy Based Copolymer*, **International Conference on Science and Technology of Synthetic Metals**, Montpellier, France, 12-18 July 1998.
385. V. Ksenofontov, J. Ensling, J. Zhang, A.J. Epstein, J.S. Miller, and Phillip Gütlich, *Magnet $[Fe^{II}(TCNE)_2]_xCH_2Cl_2$* , **The VIth International Conference on Molecule-Based Magnets**, Seignosse, France, September 12-17, 1998.
386. R.G. Sun, Y.Z. Wang, D.K. Wang, Q.B. Zheng, E.M. Kylo, T.L. Gustafson, and A.J. Epstein, *EL Properties of Diphenyl Substituted Polyacetylenes (PDPA)s*, **Materials Research Society Meeting**, Boston, MA., 30 November - 4 December 1998.
387. D.A. Pejakovic, S.J. Etzkorn, A.J. Epstein, J.L. Manson, and J.S. Miller, *Study of Light-Induced Magnetization in Molecule-Based Magnets*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 343 (1999)].

388. J.A.O. Smallfield, H. Guan, M. Fahlman, and A.J. Epstein, *Interface Between Polyaniline and Aluminum*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 418 (1999)].
389. R.G. Sun, Y.Z. Wang, D.K. Wang, N.V. Piskun, Q.B. Zheng, E.M. Kyllö, T.L. Gustafson, and A.J. Epstein, *High Luminescence Efficiency in Alternating Block Co-Polymer Due to Effective Exciton Confinement*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 510 (1999)].
390. W.P. Lee, A.J. Epstein, I. Giurgiu, and J.R. Reynolds, *Charge Transport of PEDOT-PF₆*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 1016 (1999)].
391. K.R. Brenneman, A.J. Epstein, I. Giurgiu, and J.R. Reynolds, *EPR Studies of PEDOT--PF 6I*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 1016 (1999)].
392. K.A. Bates, A.V. Saprygin, W.P. Lee, K.R. Brenneman, D.M. Tiegelaar, M.S. Platz, and A.J. Epstein, *Effect of Chiral Dopant on Polyaniline-CSA Films*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 1017 (1999)].
393. A.V. Saprygin, W.P. Lee, K.R. Brenneman, A.J. Epstein, A.D. Gudmundsdottir, D.M. Tiegelaar, M.S. Platz, J. McFarland, G.G. Ihas, P.N. Adams, A.P. Monkman, *Optical and Transport Study of Stretch Oriented Polyaniline*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 1017 (1999)].
394. C.R. Kmety, A.J. Epstein, Q. Huang, J.W. Lynn, R.W. Erwin, J.M. Manson, and Joel S. Miller, *Collinear Ferromagnetism in the Molecule-Based Magnets $M[N(CN)_2]_2$ ($M=Co$ and Ni)*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 1086 (1999)].
395. C.R. Kmety, A.J. Epstein, Q. Huang, J.W. Lynn, R.W. Erwin, J.M. Manson, and Joel S. Miller, *Noncollinear Antiferromagnetism in the Molecule-Based Magnet $Mn[N(CN)_2]_2$* (**Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 1086 (1999)]).
396. F.C. DeLucia Jr., T.L. Gustafson, N.V. Piskun, Y.Z. Wang, and A.J. Epstein, *Time-Resolved Fluorescence in PPyVPV, PVK, and Blend Thin Film Samples*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 1542 (1999)].

397. V.N. Prigodin and A.J. Epstein, *Metallic Response of a Chain-Linked Network of Quantum Dots*, **Meeting of the American Physical Society**, Atlanta, Georgia, 20-26 March 1999 [Bulletin of the American Physical Society 44, 1839 (1999)].
398. R.G. Sun, Y.Z. Wang, D.K. Wang, Q.B. Zheng, E.M. Kylo, T.L. Gustafson, and A.J. Epstein, *High PL Efficiency of Poly(phenylene vinylene) Systems through Exciton Confinement*, **2nd International Conference on Electroluminescence from Molecular Materials and Related**, Sheffield, UK, 13-15, May 1999.
399. H. Guan and A.J. Epstein, *pH Effect on the Anti-Corrosion Capabilities of Polyaniline*, **31st ACS Central Regional Meeting**, Columbus, Ohio, 21-23 June 1999.
400. F.C. DeLucia Jr., T.L. Gustafson, N.V. Piskun, Y.Z. Wang, and A.J. Epstein, *Time-Resolved Fluorescence in PPYVPV, PVK, and Blend thin Film Samples*, **31st ACS Central Regional Meeting**, Columbus, Ohio, 21-23 June 1999.
401. E.M. Kylo, R.G. Sun, A.J. Epstein, and T.L. Gustafson, *Time-Resolved Fluorescence Studies of Electroluminescent Conducting Polymers*, **31st ACS Central Regional Meeting**, Columbus, Ohio, 21-23 June 1999.
402. D.M. Tigelaar, K.A. Bates, W. Lee, A.V. Sapargin, M.S. Platz, and A.J. Epstein, *The Effect of Chiral Dopant on Polyaniline - Camphorsulfonic Acid Films Cast from m-Cresol and Chloroform*, **31st ACS Central Regional Meeting**, Columbus, Ohio, 21-23 June 1999.
403. I. Giurgiu, J.R. Reynolds, W.-P. Lee, K.R. Brennehan, A.J. Epstein, D. John, J. Hwang, and D. B. Tanner, *Poly(3,4-alkylenedioxythiophene) Films: Electrical and Optical Properties*, **218th ACS National Meeting** New Orleans, Louisiana, 22-26 August 1999.
404. E.M. Kylo, R.G. Sun, A.J. Epstein, T.L. Gustafson, *Exciton Confinement in an Alternating Block Copolymer (ABC) Family*, **Fourth International Topical Conference on Optical Probes of Conjugated Polymers and Photonic Crystals**, Salt Lake City, Utah, 15-19 February 2000.
405. C.R. Kmety, A.J. Epstein, Q. Huang, J.W. Lynn, R.W. Erwin, S. McCall, J.E. Crow, J.L. Manson, J.S. Miller, and K.L. Stevenson, *Canted Antiferromagnetic Structure of $M[N(CN)_2]_2$ ($M=Mn, Fe$)*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 89 (2000)].
406. J.B. Ferguson, V.N. Prigodin, A.J. Epstein, and F. Wang, *Transport and Optical Studies of Dendritic Phenylene with Regioregular Poly(3-hexylthiophene) Termination Arms*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 370-371 (2000)].

407. K.R. Brenneman, R. Tyagi, W.-P. Lee, S. Kim, A.J. Epstein, I. Giurgiu, R. Hickman, and J.R. Reynolds, *EPR Studies of Doped PEDOP and PProDOP*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 371 (2000)].
408. A.V Saprigin, W.-P. Lee, A.J. Epstein, I. Giurgiu, J.R. Reynolds, J. Hwang, and D.B. Tanner, *Optical, Charge Transport and Structural Study of PEDOT and PProDOT films*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 512 (2000)].
409. J.A.O Smallfield, M. Fahlman, and A.J. Epstein, *Fully Sulfonated Polyaniline (NSPAN) and Aluminum Interface: an XPS Study*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 512 (2000)].
410. P.R. Nandyala and A.J. Epstein, *Complex Permeability and Permittivity of Ni-Zn Ferrite/Emeraldine Base Polymer Composites in the Frequency Range 1 Mhz to 1 Ghz*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 652 (2000)].
411. H. Lim, D.K. Wang, and A.J. Epstein, *Steady State Photoinduced Absorption Studies of PDPA-nBu and PDPA-Cz Solutions and Films*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 751 (2000)].
412. N.V. Piskun, D.K. Wang, H. Lim, A.J. Epstein, L.D. VanWoerkom, E. M. Kylo, and T.L. Gustafson, *Femtosecond Transient Photoluminescence of the Substituted Poly(diphenylacetylene)s*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 751 (2000)].
413. V.N. Prigodin and A.J. Epstein, *Dielectric Polarizability of Low-Dimensional Polymeric Structures*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 752 (2000)].
414. D.A. Pejakovic, A.J. Epstein, J.L. Manson, and J.S. Miller, *Photoinduced Effects On the Cluster Glass Dynamics in Co-Fe Cyanide*, **Meeting of the American Physical Society**, Minneapolis, Minnesota, 20-24 March 2000 [Bulletin of the American Physical Society 45, 1033 (2000)].
415. M.J. Yang, R.G. Sun, X.M. Zou, D.K. Wang, and A.J. Epstein, *Eu Complex-Based Multiple-Quantum-Well Electroluminescent (EL) Devices as Voltage Indicators*, **International Conference on Science and Technology of Synthetic Metals**, Gastein, Austria, 15-21 July 2000.

416. I. Giurgiu, K. Zong, J.R. Reynolds, W.-P. Lee, K.R. Brennehan, A.V. Sapirgin, A.J. Epstein, J. Hwang, and D.B. Tanner, *Dioxyrrole and Dioxythiophene Based Conducting Polymers: Properties and Applications*, **International Conference on Science and Technology of Synthetic Metals**, Gastein, Austria, 15-21 July 2000.
417. D.A. Pejakovic, J. Zhang, J.S. Miller, and A.J. Epstein, *Photoinduced Magnetism in $Mn(TCNE)_{2x}(CH_2Cl_2)$ High- T_c Molecule-based Magnet*, **VIIIth International Conference on Molecule-Based Magnets**, San Antonio, Texas, September 16-21, 2000.
418. S.J. Etzkorn, W. Hibbs, J.S. Miller, and A.J. Epstein, *Anomalous Coercivity of $[Mn^{III}TPP]^+[TCNE] \cdot 2(1,3-C_6H_4Cl_2)$* , **VIIIth International Conference on Molecule-Based Magnets**, San Antonio, Texas, September 16-21, 2000.
419. E.M. Kyllö, T.L. Gustafson, D.K. Wang, R.G. Sun, and A.J. Epstein, *The Photophysics of Dimethoxy-Substituted PPV: Picosecond Photoluminescence and Femtosecond Photoinduced Absorption Studies of Segmented Pyridine Block Copolymers*, **The Pittsburgh Conference**, New Orleans, Louisiana, March 4-9, 2001.
420. F.C. Delucia, Jr., T.L. Gustafson, A.J. Epstein, D.K. Wang, A.C. Blair, and Y.K. Wang, *Exciton-Like, Localized Emission from Exciplexes in Conducting Polymer Samples*, **The Pittsburgh Conference**, New Orleans, Louisiana, March 4-9, 2001.
421. J.B. Ferguson, V.N. Prigodin, A.J. Epstein, and F. Wang, *Transport Studies of Conjugated Star Polymers*, **Meeting of the American Physical Society**, Seattle, Washington, March 12-16, 2001 [Bulletin of the American Physical Society **46**, 372 (2001)].
422. F.C. Delucia, Jr., T.L. Gustafson, D.K. Wang, and A.J. Epstein, *High Efficient, Localized Emission from Exciplexes in Conducting Polymers*, **Meeting of the American Physical Society**, Seattle, Washington, March 12-16, 2001 [Bulletin of the American Physical Society **46**, 372-373 (2001)].
423. E.M. Kyllö, T.L. Gustafson, D.K. Wang, R.G. Sun, A.J. Epstein, C. Lefumeux, G. Burdzinski, G. Buntinx, and O. Poizat, *Photophysics of Methoxy-Substituted Polyphenylene Vinylene Segmented Block Copolymers (MeO-PPV SBC): Picosecond Photoluminescence and Femtosecond Photoinduced Absorption*, **Meeting of the American Physical Society**, Seattle, Washington, March 12-16, 2001 [Bulletin of the American Physical Society **46**, 373 (2001)].
424. S.J. Etzkorn, W. Hibbs, J.S. Miller, and A.J. Epstein, *Anomalous Coercivity in a Quasi-1D Organic-based Magnet*, **Meeting of the American Physical Society**,

- Seattle, Washington, March 12-16, 2001 [Bulletin of the American Physical Society 46, 525-526 (2001)].
425. X. Zou and A.J. Epstein, *New Method to Measure Carrier Drifting Mobility in Dispersive Organic and Polymer Semiconductors*, **Meeting of the American Physical Society**, Seattle, Washington, March 12-16, 2001 [Bulletin of the American Physical Society 46, 861 (2001)].
 426. K.I. Pokhodnya, J.S. Miller, D.A. Pejakovic, and A.J. Epstein, *M(H,T,f) Studies of CVD Thin Films of High-Temperature Molecular Magnet V[TCNE]_x**, **Meeting of the American Physical Society**, Seattle, Washington, March 12-16, 2001 [Bulletin of the American Physical Society 46, 1053 (2001)].
 427. D.A. Pejakovic, A.J. Epstein, C. Kitamura, and J.S. Miller, *Photoinduced Magnetism in Mn(TCNE)₂c·x(CH₂Cl₂) High-T_c Molecule-based Magnet*, **Meeting of the American Physical Society**, Seattle, Washington, March 12-16, 2001 [Bulletin of the American Physical Society 46, 1127 (2001)].
 428. J.W. Baur, M.F. Durstock, B. Taylor, R. Spry, P. Chung, A.J. Epstein, *Near Infrared Photovoltaic Response From Self-assembled Films of Self-doped Conducting Polymers*, **Materials Research Society 2001 Spring Meeting**, San Francisco, California, April 16-20, 2001.
 429. A.G. MacDiarmid, H. Okuzaki, J. Lu, S.K. Manohar, E. Bashari, D.M. Temple, N.J. Pinto, A.J. Epstein, *Dependency of Conductivity of Selected Doped Conducting Polymers on Unusual "through Space" Electric Field Effect*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 66 (2002)].
 430. J.B. Ferguson, V.N. Prigodin, A.J. Epstein, F. Wang, *Carrier Mobility in Semiconducting Star Polymers*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 68 (2002)].
 431. F.C. Hsu, J.A.O. Smallfield, J. Joo, J. Lu, A.G. MacDiarmid, and A.J. Epstein, *Transistor-type Devices Based on Conducting Polymers*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 140 (2002)].
 432. D. Haskel, Z. Islam, C. R. Kmety, J. Lang, G. Srajer, K. I. Pokhodnya, J. S. Miller, and A.J. Epstein, *Local Structure of Amorphous V[TCNE]_x Molecule-Based Magnet*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 722 (2002)].
 433. Y. Batayev, N.P. Raju, V.N. Prigodin, P. Kahol, R. Plachy, P.C. Taylor, K.I. Pokhodnya, J.S. Miller, and A.J. Epstein, *FMR Studies of High-Temperature*

- Organic-Based Magnetic Semiconductor V(TCNE)_x*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 722 (2002)].
434. N.P. Raju, T. Savrin, V.N. Prigodin, K.I. Pokhodnya, J.S. Miller, and A.J. Epstein, *Anomalous Magnetoresistance in High-Temperature Organic-Based Magnetic Semiconductor V(TCNE)_x Films*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 722 (2002)].
435. D. A. Pejakovic, A.J. Epstein, C. Kitamura, J. Raebiger, and J. S. Miller, *Metastable States and Photoinduced Magnetization in Organic-Based Magnets M(TCNE)₂x(CH₂Cl₂), M=Mn, Fe*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 722-723 (2002)].
436. S.J. Etzkorn, Wendy Hibbs, Joel S. Miller, and A.J. Epstein, *Viscous Glassy Behavior in a Quasi-1D Organic-Based Magnet*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 723 (2002)].
437. K.A. Coplin, D.J. Clark, D.K. Wang, and A.J. Epstein, *Triplet Exciton Confinement in Methoxy-Substituted Polyphenylene Vinylene Segmented Block Copolymers*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 1051 (2002)].
438. J.A.O. Smallfield, K.Y. Wong, M. Fahlman, and A.J. Epstein, *Control of the Electronic State at Polymer-Polymer Interfaces*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 1022-1023 (2002)].
439. V.N. Prigodin and A.J. Epstein, *Origin of Anomalous Magnetoresistivity in Organic-Based Magnetic Semiconductor V[TCNE]_x*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 66-67 (2002)].
440. X. Zou, D.K. Wang, K. Wong, and A.J. Epstein, *Balanced Electron and Hole Transport in Quinoline and Phenyl Containing Oligomers*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 1123-1124 (2002)].
441. K.I. Pokhodnya, N. Petersen, J.S. Miller, and A.J. Epstein, *Competing Ferrimagnetic and Spin-Glass Order in Fe[TCNE]₂ Molecule-Based Magnet*, **Meeting of the American Physical Society**, Indianapolis, Indiana, March 18-22, 2002 [Bulletin of the American Physical Society 47, 747 (2002)].

442. P.K. Kahol, B.J. McCormick, A.J. Epstein, and S.S. Pandey, *Effects of disorder on the magnetic state of poly(3-hexyl)thiophene*, **International Conference on Science and Technology of Synthetic Metals**, Shanghai, China, June 29-July 5, 2002.
443. V.N. Prigodin, N.P. Raju, A.J. Epstein, K.I. Pokhodnya, and J.S. Miller, *Spin-Driven Magnetoresistance in Molecule Magnetic Semiconductor $V[TCNE]_x$* , **International Conference on Science and Technology of Synthetic Metals**, Shanghai, China, June 29-July 5, 2002.
444. K.Y. Wong, J.A.O. Smallfield, M. Fahlman, and A.J. Epstein, *Electronic State at Polymer-Acidic Polymer Interfaces*, **International Conference on Science and Technology of Synthetic Metals**, Shanghai, China, June 29-July 5, 2002.
445. Y. Liu, X. Wu, D. Zhu, R.G. Sun, D.K. Wang, and A.J. Epstein, *A Conjugated Polymer Containing Binaphthyl and Phenylene Units for Organic Light-Emitting Diodes*, **IUPAC World Polymer Congress 2002, 39th International Symposium on Macromolecules**, Beijing, China, July 7-12, 2002.
446. V.N. Prigodin and A.J. Epstein, *Quantum Hopping in Metallic Polymers*, **6th International Conference on the Electrical Transport and Optical Properties of Inhomogeneous Media**, Snowbird, Utah, July 15-19, 2002.
447. S.J. Etzkorn, W. Hibbs, J.S. Miller, and A.J. Epstein, *Viscous Behavior in an Organic-Based Quasi-1D Fractal Cluster Glass*, **VIIIth International Conference on Molecule-based Magnets**, Valencia, Spain, October 5-10, 2002.
448. D.A. Pejakovic, C. Kitamura, J.S. Miller, and A.J. Epstein, *Photoinduced Magnetism and Metastability in Organic-Based Magnet $Mn(TCNE)_{2x}(CH_2Cl_2)$* , **VIIIth International Conference on Molecule-based Magnets**, Valencia, Spain, October 5-10, 2002.
449. N.P. Raju, T. Savrin, V.N. Prigodin, K.I. Pokhodnya, J.S. Miller, and A.J. Epstein, *Anomalous Magnetoresistance in High-Temperature Organic-Based Magnetic Semiconductor $V(TCNE)_x$ Films*, **47th Annual Conference on Magnetism and Magnetic Materials Conference**, Tampa, Florida, November 11-15, 2002.