

CURRICULUM VITAE

GARY L. FINDLEY

1. PERSONAL

Born at Little Rock, Arkansas on December 29, 1952.

Education: The University of Notre Dame, 1970-1971. Freshman Year of Studies.

The University of Arkansas at Little Rock, 1971-1974. B. S. in Biology and Chemistry - May, 1974.

The Michigan State University, 1974-1975. Graduate Study in Microbiology.

The Louisiana State University at Baton Rouge, 1975-1978. Ph.D. in Physical Chemistry under the direction of Dr. S. P. McGlynn - dissertation accepted and examinations passed January, 1978; degree conferred May, 1978.

Present Position: Professor of Chemistry at the University of Louisiana at Monroe (formerly Northeast Louisiana University). Member of the ULM faculty since 1995.

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Familial Status: Married, two children

Honors: Phi Kappa Phi National Honorary, Phi Lambda Upsilon National Chemistry Honorary, Sigma Xi

Associate Director of NATO-ASI: PHOTOPHYSICS AND PHOTOCHEMISTRY IN THE VACUUM ULTRAVIOLET, Lake Geneva, Wisconsin, August 15-28, 1982.

NYU Scheuer Presidential Fellow (1984)

Deutscher Akademischer Austauschdienst (DAAD) Fellow (1986)

Fellow, American Institute of Chemists

Outstanding Professor for the College of Pure and Applied Sciences (NLU, 1999)

Gary L. Findley

Citations: ACS Directory of Graduate Studies

Directory of Atomic, Molecular and Optical Scientists

Who's Who in Technology

Who's Who in Frontiers of Science and Technology

Who's Who in the East

Personalities in America

International Book of Honor

2000 Notable Americans

5000 Personalities of the World

International Directory of Distinguished Leadership

Personalities of the Americas

Memberships and Appointments:

American Physical Society; American Chemical Society; American Institute of Chemists

Editor of Wiley-Interscience Monographs in Chemical Physics (Wiley-Interscience, New York), 1985 - .

Member of CAMD Users Committee, LSU, 2008 -. Chair, 2009-11.

Member of SRC Users Advisory Committee, University of Wisconsin, 2009 -.

Reviewer for: Journal of Physical Chemistry; The Physical Review; Physical Review Letters; Journal of the American Chemical Society; Chemical Physics Letters; Theoretica Chimica Acta; Biosystems; International Journal of Quantum Chemistry; Journal of Mathematical Chemistry.

Consulting: Spot consulting has been rendered to various companies and universities since 1981. Long-term clients have included The Pennsylvania State University and Maxwell Laboratories, Inc. Editorial consultant for: John Wiley and Sons, Inc.; W. H. Freeman, Inc.

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Other Appointments: Postdoctoral Research Associate/Visiting Assistant Professor of Chemistry and Director of the Molecular spectroscopy Group, Louisiana State University (Baton Rouge, Louisiana), 1978-1982.

Visiting Professor, Faculty of Science, University of Santa Maria (Valparaiso, Chile), July-August, 1981.

Associate Professor of Chemistry, New York University (New York, New York), 1982-1986.

Visiting Scientist, HASYLAB, Deutsches Elektronen-Synchrotron DESY (Hamburg, Germany), Summers, 1984-1988.

Adjunct Associate Professor of Chemistry, Director of Research Development, and CAMD Project Director, Louisiana State University (Baton Rouge, Louisiana), 1986-1989.

Adjunct Professor of Chemistry, University of Arkansas at Little Rock (Little Rock, Arkansas), 1990-1993.

Adjunct Professor of Chemistry, Northeast Louisiana University (Monroe, Louisiana), 1993-1995.

Interim Dean, College of Pure and Applied Sciences, Northeast Louisiana University (Monroe, Louisiana), January - May, 1997.

Adjunct Professor of Chemistry, Louisiana Tech University (Ruston, Louisiana), 1999- .

Adjunct Professor of Chemistry and Biochemistry, Queens College – CUNY (New York, NY), 2009-.

Funding: More than \$6,000,000 in research funding since 1977, from the Department of Energy, National Science Foundation, ACS Petroleum Research Foundation, and the Louisiana Board of Regents Support Fund.

CAMD Project Director, US DOE, \$25,000,000 (1987-1989).

2. RESEARCH INTERESTS

1. Molecular electronic spectroscopy

Experimental applications of synchrotron radiation

Vacuum ultraviolet (VUV) spectroscopy of highly-excited states of atoms and molecules

Electric and magnetic field effects in the VUV

Vibronic-coupling and intermediate-coupling in Rydberg states

Rydberg/valence mixing

Applications of quantum defect theory to molecular Rydberg states

Development of ionization potential/term value correlation algorithms for Rydberg states

External atom perturber effects on high-n Rydberg states

Photoconduction and photoemission in condensed-phase van der Waals systems

Development of band gap/term value correlation algorithms for solid rare gas excitons

Photo-acoustic spectroscopy of molecular electronic states

Absorption/emission spectroscopy of highly-polar molecules

2. Theoretical Chemistry

Nonlinear chemical reaction kinetics

Model Hamiltonians for molecular problems

Differentiable-manifold interpretation of Hartree-Fock-Roothaan theory

3. Theoretical Biology

Genetic coding theory; generalized genetic code

Geometry and evolution

Order-isomorphism/order-equivalence relations in group theory and partition theory

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3. PERSONNEL WHO HAVE STUDIED WITH PROFESSOR GARY L. FINDLEY

A. GRADUATE STUDENTS

	<u>tenure</u>	<u>degree</u>	<u>present position</u>
1. Lisa C. Carswel	1982-1986	Ph.D.	Research Scientist U.S. Air Force Sandia National Laboratories Albuquerque, NM
2. Jonathan A. Wilder	1982-1986	Ph.D.	President H & W Technology, LLC Rochester, NY
3. Thomas Georgian	1982-1986	Ph.D.	Research Chemist U.S. Army Corps of Engineers CEMRO-HX-C Omaha, NE
4. Arthur Tringali	1983-1985	M.S.	Analytical Chemist Dept. of Water Quality City of New York New York, NY
5. Sam Gilbert	1983-1985	M.S.	Analytical Chemist Dept. of Water Quality City of New York New York, NY
6. Massimo Negrin	1983-1985	M.S.	Computer Consultant New York, NY
7. D. Mark Ortalano	1984-1988	Ph.D.	Manager R and D/Tech Service Sun Chemical Amelia, OH
8. John M. Halpin	1984-1986	M.S.	Instructor Dept. of Chemistry New York University New York, NY
9. D. Athanasopoulos	1984-1986	M.S.	Assistant Professor Dept. of Chemistry Pace University New York, NY
10. C. M. Evans	1997-1998 1998-2001	M.S. Ph.D.	Assistant Professor Dept. of Chemistry Queens College/CUNY Flushing, NY

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B. POSTDOCTORAL FELLOWS

	<u>tenure</u>	<u>present position</u>
1. Sigrid Bernstorff	1984-1986	Staff Scientist ELETTRA Synchrotron Radiation Laboratory Trieste, Italy

4. PUBLICATIONS

In this section are listed research papers, books, book reviews and chapters in books. Abstracts are not listed: The total number published is approximately 50. Reports are also not listed: The total number prepared is approximately 20.

Research Papers:

1. G. L. Findley, K. Wittel, W. S. Felps and S. P. McGlynn, "Molecular Rydberg Transitions. VIII. The Geometry of Ethylene in the R_{1s} State," *Int. J. Quantum Chem.* S11, 229 (1977).
2. H. -t. Wang, W. S. Felps, G. L. Findley, A. R. P. Rau and S. P. McGlynn, "Molecular Rydberg States. XI. Quantum Defect Analogies between Molecules and Rare Gases," *J. Chem. Phys.* 67, 3940 (1977).
3. J. D. Scott, W. S. Felps, G. L. Findley and S. P. McGlynn, "Molecular Rydberg Transitions. XII. Magnetic Circular Dichroism of Methyl Iodide," *J. Chem. Phys.* 68, 4678 (1978).
4. B. Dzhagorov, R. H. Hofeldt, G. L. Findley and S. P. McGlynn, "Host/Guest Deuteration Effects in Mixed Crystals," *Chem. Phys.* 37, 195 (1979).
5. T. P. Carsey, G. L. Findley and S. P. McGlynn, "Systematics in the Electronic Spectra of Polar Molecules. I. Para Disubstituted Benzenes," *J. Am. Chem. Soc.* 101, 4502 (1979).
6. G. L. Findley, T. P. Carsey and S. P. McGlynn, "Systematics in the Electronic Spectra of Polar Molecules. II. Ortho and Meta Disubstituted Benzenes," *J. Am. Chem. Soc.* 101, 4511 (1979).
7. G. L. Findley and S. P. McGlynn, "A Generalized Genetic Code," *Int. J. Quantum Chem., Quantum Biol. Symp.* 6, 313 (1979).
8. S. P. McGlynn, H. -t. Wang, G. L. Findley, W. S. Felps and A. R. P. Rau, "Applications of Quantum Defect Theory to Molecular Rydberg States," *Spectrosc. Lett.* 12, 631 (1979).
9. S. P. McGlynn, J. D. Scott, W. S. Felps and G. L. Findley, "Molecular Rydberg Transitions. XVI. MCD of CH_3Br ," *J. Chem. Phys.* 72, 421 (1980).

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10. P. Hochmann, G. L. Findley and S. P. McGlynn, "Molecular Rydberg Transitions. X. Correlation Algorithms for Rydberg Term Values," *Z. Naturforsch.* 35a, 595 (1980).
Errata, *Z. Naturforsch.* 35a, 1431 (1980).
11. S. P. McGlynn, W. S. Felps, J. D. Scott and G. L. Findley, "Molecular Rydberg Transitions. XVIII. Vibronic Doubling in Methyl Iodide," *J. Chem. Phys.* 73, 4925 (1980).
12. G. L. Findley and S. P. McGlynn. "The Generalized Genetic Code. A Modification of Code Universality," *Int. J. Quantum Chem., Quantum Biol. Symp.* 7, 277 (1980).
13. W. S. Felps, S. P. McGlynn and G. L. Findley, "Molecular Rydberg Transitions. XVII. Cyanogen Chloride," *J. Mol. Spectrosc.* 86, 71 (1981).
14. W. S. Felps, J. D. Scott, G. L. Findley and S. P. McGlynn, "Molecular Rydberg Transitions. XX. Vibronic Doubling in Alkyl Bromides," *J. Chem. Phys.* 74, 4832 (1981).
15. S. P. McGlynn, W. S. Felps and G. L. Findley, "Molecular Rydberg Transitions. The Pi to 4s Transition of ClCN," *Chem. Phys. Lett.* 78, 89 (1981).
16. S. Chattopadhyay, J. L. Meeks, G. L. Findley and S. P. McGlynn, "Photoelectron Spectroscopy of Carbonyls. Saturated Normal Dicarboxylic Acids," *J. Phys. Chem.* 85, 968 (1981).
17. W. S. Felps, G. L. Findley and S. P. McGlynn, "Molecular Rydberg Transitions. Intermediate Coupling in Simple Bromides," *Chem. Phys. Lett.* 81, 490 (1981).
18. S. Chattopadhyay, G. L. Findley and S. P. McGlynn, "Photoelectron Spectroscopy of Phosphites and Phosphates," *J. Electron Spectrosc.* 24, 27 (1981).
19. G. L. Findley and S. P. McGlynn, "Geometry and Evolution," *Int. J. Quantum Chem., Quantum Biol. Symp.* 8, 455 (1981).
20. S. P. McGlynn and G. L. Findley, "Giant-Molecule Interactions," *J. Photochem.* 17, 461 (1981).
21. J. A. Dagata, G. L. Findley, S. P. McGlynn, J. -P. Connerade and M. A. Baig, "Molecular Rydberg Transitions. Multichannel Approaches to Electronic States: CH₃I," *Phys. Rev. A* 24, 2485 (1981).
22. A. M. Findley, G. L. Findley and S. P. McGlynn, "Genetic Coding: Approaches to Theory Construction," *J. Theor. Biol.* 97, 299 (1982).

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23. G. L. Findley, A. M. Findley and S. P. McGlynn, "Symmetry Characteristics of the Genetic Code," Proc. Natl. Acad. Sci. USA 79, 7061 (1982).
24. A. M. Findley and G. L. Findley, "The Generalized Genetic Code. A Note on Order-Isomorphism/Order-Equivalence Relations," Int. J. Quantum Chem., Quantum Biol. Symp. 9, 59 (1982)
25. P. Hochmann, S. P. McGlynn and G. L. Findley, "Ionization Potential Correlations for Alkyl-Substituted Chromophores," Int. J. Quantum Chem., Quantum Biol. Symp. 9, 173 (1982).
26. D. Kumar, R. V. Nauman, R. Mohanty, S. P. McGlynn and G. L. Findley, "Laser-Power Fluctuations: An Analog Signal-Correction Technique," Rev. Sci. Instrum. 54, 463 (1983).
27. T. Georgian and G. L. Findley, "Hamiltonian Formulations of Chemical Kinetics," Int. J. Quantum Chem., Quantum Biol. Symp. 10, 331 (1983).
28. G. L. Findley, P. Hochmann and S. P. McGlynn, "Correlation Algorithms for Ionization Energies and Rydberg Term Values. I," Ann. Israel Phys. Soc. 6, 161 (1983).
29. G. L. Findley, P. Hochmann and S. P. McGlynn, "Correlation Algorithms for Ionization Energies and Rydberg Term Values. II," Ann. Israel Phys. Soc. 6, 164 (1983).
30. A. M. Findley and G. L. Findley, "Genetic Coding Theory. Multiple Mitochondrial Genetic Codes," Int. J. Quantum Chem., Quantum Biol. Symp. 11, 109 (1984).
31. T. Georgian, J. M. Halpin and G. L. Findley, "Hamiltonian Dynamics of Simple Chemical Reactions," Int. J. Quantum Chem., Quantum Biol. Symp. 11, 347 (1984).
32. A. M. Findley and G. L. Findley, "Genetic Coding Theory: Alternative Genetic Codes," Ann. N. Y. Acad. Sci. 435, 537 (1984).
33. P. E. Moroz and G. L. Findley, "Development of a Giga-g Magnetic Microcentrifuge," Anal. Instrum. 13, 217 (1984-1985).
34. S. P. McGlynn, A. M. Langsjoen, P. Hochmann, P. Brint and G. L. Findley, "Correlation Algorithms for Ionization Energies. Alkyl Derivatives," J. Phys. Chem. 89, 1157 (1985).

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35. V. Saile, R. Reininger, A. M. Koehler and G. L. Findley, "Electric Field Dependence of the Total Excimer Luminescence of Xenon Excited Below the Atomic Ionization Limit," Nucl. Instr. Meth. A 238, 558 (1985).
36. A. M. Findley, S. P. McGlynn and G. L. Findley, "Applications of Differential Geometry to Molecular Genetics," J. Biol. Phys. 13, 87 (1985).
37. A. M. Koehler, R. Reininger, V. Saile and G. L. Findley, "Density Effects on High-n Molecular Rydberg States. CH₃I in Argon," Phys. Rev. A 33, 771 (1986).
38. S. Bernstorff, V. Saile and G. L. Findley, "Term Value/Band-Gap Energy Correlations for Solid Rare Gas Excitons," Chem. Phys. Lett. 125, 161 (1986).
39. A. M. Findley, S. Bernstorff and G. L. Findley, "Systematics in the Ionization Energies of Rare Gas Clusters," Chem. Phys. Lett. 131, 349 (1986).
40. A. M. Koehler, R. Reininger, V. Saile and G. L. Findley, "Density Effects on High-n Molecular Rydberg States. CH₃I in He, Ne, Ar and Kr," Phys. Rev. A 35, 79 (1987).
41. A. M. Findley, S. Bernstorff, A. M. Koehler, V. Saile and G. L. Findley, "Photoionization Spectroscopy of Highly-Polar Aromatics. Halobenzonitriles," Phys. Scrip. 35, 633 (1987).
42. J. A. Wilder and G. L. Findley, "Construction of a Two-Photon Photoacoustic Spectrometer," Rev. Sci. Instrum. 58, 468 (1987).
43. T. Georgian and G. L. Findley, "Hamiltonian Dynamics of Chemical Reactions," J. Comp. Chem. 8, 744 (1987).
44. J. A. Wilder, T. Georgian and G. L. Findley, "Systematic Corrections to the Born-Oppenheimer Approximation," Chem. Phys. Lett. 137, 345 (1987).
45. A. M. Koehler, V. Saile, R. Reininger and G. L. Findley, "Sudden and Adiabatic Polarization Effects in Doped Rare Gases," Phys. Rev. Lett. 60, 2727 (1988).
46. V. Saile, R. Reininger, P. Laporte, I. T. Steinberger and G. L. Findley, "Quantum Defect Method and Valence Excitons in Rare Gas Solids," Phys. Rev. B 37, 10901 (1988).
47. B. C. Craft, A. M. Findley, G. L. Findley, S. P. McGlynn, J. D. Scott and F. H. Watson, "LSU Center for Advanced Microstructures and Devices," Rev. Sci. Instrum. 60, 2144 (1989).

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48. B. C. Craft, A. M. Findley, G. L. Findley, J. D. Scott and F. H. Watson, "Status Report on the CAMD Project," Nucl. Inst. Meth. B 40/41, 379 (1989).
49. C. M. Evans, R. Reininger and G. L. Findley, "Photoionization Spectra of CH₃I Perturbed by SF₆: Electron Scattering in SF₆ Gas," Chem. Phys. Lett. 297, 127 (1998).
50. C. M. Evans, R. Reininger and G. L. Findley, "Subthreshold Photoionization Spectra of CH₃I Perturbed by SF₆," Chem. Phys. 241, 239 (1999).
51. C. M. Evans and G. L. Findley, "A New Transformation for the Lotka-Volterra Problem," J. Math. Chem. 25, 105 (1999).
52. C. M. Evans and G. L. Findley, "Analytic Solutions to a Family of Lotka-Volterra Related Differential Equations," J. Math. Chem. 25, 181 (1999).
53. C. M. Evans, R. Reininger and G. L. Findley, "Subthreshold Photoionization of CH₃I in Ar, N₂ and CO₂," Chem. Phys. Lett. 322, 465 (2000).
54. C. M. Evans, J. D. Scott, F. H. Watson and G. L. Findley, "Photoionization Studies of C₂H₅I and C₆H₆ Perturbed by Ar and SF₆," Chem. Phys. 260, 225 (2000).
55. C. M. Evans and G. L. Findley, "Analytic Solutions to a Class of Two-Dimensional Lotka-Volterra Dynamical Systems," Disc. Cont. Dynam. Sys. 6, 137 (2000).
56. C. M. Evans, E. Morikawa and G. L. Findley, "Pressure Studies of Subthreshold Photoionization: CH₃I, C₂H₅I and C₆H₆ Perturbed by Ar and SF₆," Chem. Phys. 264, 419 (2001).
57. C. M. Evans and G. L. Findley, "Pressure Studies of Subthreshold Photoionization: CH₃I Perturbed by CF₄ and c-C₄F₈," Chem. Phys. Lett. 337, 375 (2001).
58. C. M. Evans, E. Morikawa and G. L. Findley, "Photoionization Spectra of CH₃I and C₂H₅I Perturbed by CF₄ and c-C₄F₈: Electron Scattering in Halocarbon Gases," J. Phys. B: At. Mol. Opt. Phys. 34, 3607 (2001).
59. C. M. Evans and G. L. Findley, "Energy of the Quasi-Free Electron in Argon and Krypton," Phys. Rev. A 72, 022717 (2005).
60. C. M. Evans and G. L. Findley, "Energy of the Quasi-Free Electron in Supercritical Argon near the Critical Point," Chem. Phys. Lett. 410, 242 (2005).
61. C. M. Evans and G. L. Findley, "Field Ionization of C₂H₅I in Supercritical Argon near the Critical Point," J. Phys. B: At. Mol. Opt. Phys. 38, L267 (2005).

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62. Luxi Li, C. M. Evans and G. L. Findley, "Energy of the Quasi-Free Electron in Supercritical Krypton near the Critical Point," *J. Phys. Chem. A* 109, 10683 (2005).
63. Xianbo Shi, Luxi Li, C. M. Evans and G. L. Findley, "Energy of the Quasi-Free Electron in Xenon," *Chem. Phys. Lett.* 432, 62 (2006).
64. Xianbo Shi, Luxi Li, C. M. Evans and G. L. Findley, "Energy of the Quasi-Free Electron in Argon, Krypton and Xenon," *Nuc. Instrum. Meth. A* 582, 270 (2007).
65. Xianbo Shi, Luxi Li, Gina M. Moriarty, C. M. Evans and G. L. Findley, "Energy of the Quasi-Free Electron in Low Density Ar and Kr: Extension of the Local Wigner-Seitz Model," *Chem. Phys. Lett.* 454, 12 (2008).
66. Luxi Li, Xianbo Shi, C. M. Evans and G. L. Findley, "Xenon Low- n Rydberg States in Supercritical Argon near the Critical Point," *Chem. Phys. Lett.* 461, 207 (2008).
67. Luxi Li, Xianbo Shi, C. M. Evans and G. L. Findley, "CH₃I Low- n Rydberg States in Supercritical Atomic Fluids near the Critical Point," *Chem. Phys.* 360, 7 (2009).
68. Xianbo Shi, Luxi Li, G. L. Findley and C. M. Evans, "Energy of the Excess Electron in Methane and Ethane near the Critical Point," *Chem. Phys. Lett.* 481, 183 (2009).
69. Luxi Li, Xianbo Shi, G. L. Findley and C. M. Evans, "Dopant Low- n Rydberg States in CF₄ and CH₄ near the Critical Point," *Chem Phys. Lett.* 482, 50 (2009).
70. C. M. Evans and G. L. Findley, "Energy of the Conduction Band in near Critical Point Fluids," *Phys. Res. Internat.* 2010, 749293 (2010).
71. C. M. Evans, Yevgeniy Lushtak and G. L. Findley, "Energy of the Quasi-Free Electron in Dense Neon," *Chem. Phys. Lett.* 501, 202 (2011).
72. C. M. Evans, Yevgeniy Lushtak, Xianbo Shi, Luxi Li and G. L. Findley, "Temperature Effects on the Perturber Induced Shift of Dopant Ionization Energies in He and Ne," *Chem. Phys. Lett.* 505, 16 (2011).
73. Yevgeniy Lushtak, C. M. Evans and G. L. Findley, "Field Enhanced Photoemission: A New Technique for the Direct Determination of the Quasi-Free Electron Energy in Dense Fluids," *Chem. Phys. Lett.* 515, 190 (2011).
74. Yevgeniy Lustak, Samantha B. Dannenberg, C. M. Evans and G. L. Findley, "Quasi-Free Electron Energy in Near Critical Point Helium, *Phys. Rev. Lett.*, submitted (2012).

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75. L. C. Carswell, A. M. Findley and G. L. Findley, "Luminescence Properties of Highly Polar Aromatics," J. Am. Chem. Soc., in preparation.
76. D. M. Ortalano and G. L. Findley, "An Electronic Adiabatic Approximation for Rydberg States," Chem. Phys. Lett., in preparation.

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Books:

1. S. P. McGlynn, G. L. Findley and R. H. Huebner, eds., *Photophysics and Photochemistry in the Vacuum Ultraviolet*, D. Reidel Publishing Co., Dordrecht, Holland, 1985.
2. A. M. Findley, S. P. McGlynn and G. L. Findley, *The Geometry of Genetics*, Wiley Monographs in Chemical Physics, John Wiley and Sons, Inc., New York, 1989.

Book Reviews and Discursive Articles:

1. G. L. Findley, review of *Atoms in Strong Light Fields* (by N. B. Delone and V. P. Krainov, Springer-Verlag, Berlin, 1985), *J. Am. Chem. Soc.* 107, 6431 (1985).
2. G. L. Findley and F. H. Watson, "Cooperative Research at CAMD: Importance for Louisiana Universities," *Proceedings of the 1996 Workshop on Science and Technology at CAMD* (LSU, Baton Rouge, 1996).
3. G. L. Findley, A. M. Findley and F. H. Watson, "Synchrotron Radiation: Finding New Science Applications for Economic Growth," *Res Scholaris* 3, 12 (1996).
4. G. L. Findley, review of *ZEKE Spectroscopy* (by E. W. Schlag, Cambridge Univ. Press, Cambridge, 1998), *J. Am. Chem. Soc.* 121, 6102 (1999).

Chapters in Books:

1. G. L. Findley and S. P. McGlynn, "A Biological Field Theory of Evolution," in: *Group Theoretical Methods in Physics*, W. Beiglbock, A. Bohm and E. Takasugi, eds. (Lecture Notes in Physics 94, Springer-Verlag, Berlin, 1979), pp. 71.
2. G. L. Findley, J. A. Wilder, P. Hochmann and S. P. McGlynn, "Photophysics of Highly-Excited States," in: *Photophysics and Photochemistry in the Vacuum Ultraviolet*, S. P. McGlynn, G. L. Findley and R. H. Huebner, eds. (D. Reidel, Dordrecht, 1985), pp. 1.
3. R. Reininger, V. Saile, G. L. Findley, P. Laporte and I. T. Steinberger, "Photoconduction in Fluid Rare Gases Doped with Molecular Impurities," in: *Photophysics and Photochemistry Above 6 eV*, F. Lahmani, ed. (Elsevier, Amsterdam, 1985), pp. 253.

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4. A. M. Koehler, V. Saile, R. Reininger and G. L. Findley, "Photoionization and Absorption of CH_3I and CH_3Br in Rare Gases," in: *Extended Abstracts of The Second European Conference on Atomic and Molecular Physics*, A. E. de Vries and M. J. van der Wiel, eds. (Free University, Amsterdam, 1985), p. 181. Also published by the European Physical Society as Volume 9B of the ECA series.
5. *Extended Abstracts of the Eighth International Conference on Vacuum Ultraviolet Radiation Physics*, P. O. Nilsson, ed. (Lund University, Lund, Sweden, 1986).
 - (a) A. M. Koehler, R. Reininger, V. Saile and G. L. Findley, "Adiabatic and Vertical Photoionization Energies for Some Small Molecules," pp. 99.
 - (b) A. M. Findley, S. Bernstorff and G. L. Findley, "Systematics in the Ionization Energies of Rare Gas Clusters," pp. 159.
 - (c) A. M. Findley, S. Bernstorff, A. M. Koehler, V. Saile and G. L. Findley, "Photoionization Spectroscopy of Highly Polar Aromatics," pp. 615.
6. C. M. Evans and G. L. Findley, "Analytic Solutions to the Lotka-Volterra Model for Sustained Chemical Oscillations," in: *Recent Research Developments in Chemical Physics* (Transworld Research Network, Trivandrum, India, 2000), pp. 1.
7. C. M. Evans, J. D. Scott and G. L. Findley, "Subthreshold Photoionization in Molecular Dopant/Perturber Systems," in: *Recent Research Developments in Chemical Physics* (Transworld Research Network, Trivandrum, India, 2002), pp. 351.
8. Luxi Li, Xianbo Shi, Cherice M. Evans and Gary L. Findley, "Atomic and Molecular Low-n Rydberg States in Supercritical Fluids," in: *Spectroscopy [Provisional Title]* (InTech, Rijeka, Croatia), accepted (2012).

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5. INVITED LECTURES, PLENARY LECTURES AND SYMPOSIA ORGANIZED

1. "Evolutionary Field Theory," Department of Chemistry, The City College of The City University of New York, New York, New York, April 13, 1978.

–Invited Lecture

2. "The Topology of Covalently-Closed, Circular DNA Molecules," Department of Microbiology, The Louisiana State University, Baton Rouge, Louisiana, November 7, 1978.

–Invited Lecture

3. Lecture series presented to the Faculty of the Department of Mathematics, The University of Alberta, Edmonton, Alberta, Canada, November 27-28, 1978.

(a) "Differential-Geometric Techniques in Biological Evolution."

(b) "Ambiguity in the Genetic Code."

–Invited Lectures

4. Lecture series presented to the Faculty of the Department of Chemistry, The University of Montana, Missoula, Montana, November 29 - December 1, 1978.

(a) "Field-Theory and Biological Evolution."

(b) "A Generalized View of the Genetic Code."

(c) "Application of the Phase Amplitude Method to Molecular Rydberg States."

–Invited Lectures

5. Lecture series presented to the Faculty of the Department of Chemistry, The Michigan State University, East Lansing, Michigan, December 7-8, 1978.

(a) "Quantum Defect Theory and Molecular Rydberg States."

(b) "A Generalized View of the Genetic Code."

–Invited Lectures

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6. Participant at Twelfth Annual Radiological and Chemical Physics Contractors' Meeting of the United States Department of Energy, The University of Florida, Gainesville, Florida, March 20-21, 1979.

–By Invitation

7. Participant at Thirteenth Annual Radiological and Chemical Physics Contractors' Meeting of the United States Department of Energy, Battelle Memorial Institute (Seattle Research Center), Seattle, Washington, March 17-18, 1980.

–By Invitation

8. "Multi-Channel Quantum Defect Theory for Molecular Rydberg States," Department of Chemistry, The University of Montana, Missoula, Montana, March 20, 1980.

–Invited Lecture

9. "Group Theory and the Genetic Code," Department of Pure and Applied Mathematics, The Washington State University, Pullman, Washington, March 24, 1980.

–Invited Lecture

10. "Quantum Defect Theory. Single-Channel and Multi-Channel Studies," Department of Chemistry, The Washington State University, Pullman, Washington, March 25, 1980.

–Invited Lecture

11. "A Scattering Theory Approach for Molecular Rydberg States," Battelle Pacific Northwest Laboratories, Richland, Washington, March 27, 1980.

–Invited Lecture

12. "Applications of Group Theory to Molecular Biology," Department of Chemistry, The University of Texas at San Antonio, San Antonio, Texas, April 17, 1980.

–Invited Lecture

13. "Fundamental Spectroscopic Studies of Some Atmospheric Pollutants," G. L. Findley and S. P. McGlynn, United States Department of Energy Program Review on Physics and Chemistry of Energy-Related Atmospheric Pollution, Harper's Ferry, West Virginia, May 28-30, 1980.

–Invited Lecture

Gary L. Findley

14. "Non-Universality of the Genetic Code," G. L. Findley and S. P. McGlynn, Symposium on the Biochemical Evolution of the Genetic Apparatus, 10th American Chemical Society Northeast Regional Meeting, Clarkson College, Potsdam, New York, July 2-3, 1980.

–Invited Lecture

15. "Genetic Coding Theory," Department of Chemistry, The Louisiana State University, Baton Rouge, Louisiana, October 17, 1980.

–Invited Lecture

16. "Genetic Coding Theory," Department of Microbiology, The Michigan State University, East Lansing, Michigan, December 9, 1980.

–Invited Lecture

17. "Molecular Rydberg States. A Double-Well Model," S. P. McGlynn and G. L. Findley, Workshop on Far UV Spectroscopy and Photochemistry, Mulheim a.d. Ruhr, West Germany, February 24-26, 1981.

–Invited Lecture

18. Symposium Leader at 8th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 4-7, 1981.

–By Invitation

19. Participant at the United States Department of Energy Program Review on Physics and Chemistry of Energy-Related Atmospheric Pollution, Harper's Ferry, West Virginia, April 21-23, 1981.

–By Invitation

20. Participant at Fourteenth Annual Radiological and Chemical Physics Contractors' Meeting of the United States Department of Energy, The University of Notre Dame, Notre Dame, Indiana, May 19-20, 1981.

–By Invitation

21. "Applications of Differential Geometry to Molecular Genetics," Department of Mathematics, The University of Santa Maria, Valparaiso, Chile, July 22, 1981.

–Invited Lecture

Gary L. Findley

22. Lecture series presented to the Faculty of the Department of Physics, The University of Santa Maria, Valparaiso, Chile.
 - (a) "Quantum Defect Theory for Molecular Rydberg States," July 29, 1981.
 - (b) "Correlation Algorithms for Ionization Energies and Rydberg Term Values," August 12, 1981.

–Invited Lectures
23. "Giant Molecules," Department of Chemistry, the Catholic University of Valparaiso, Valparaiso, Chile, July 31, 1981.

–Invited Lecture
24. "Correlation Algorithms for Ionization Energies of Halogenated Alkanes," Department of Chemistry, The University of Santa Maria, Valparaiso, Chile, August 7, 1981.

–Invited Lecture
25. "Applications of Differential Geometry to Molecular Genetics," Department of Chemistry, The University of Concepcion, Concepcion, Chile, August 10, 1981.

–Invited Lecture
26. "Quantum Defect Theory for Molecular Rydberg States," Department of Chemistry, The University of Chile, Santiago, Chile, August 13, 1981.

–Invited Lecture
27. "Giant-Molecule Interactions," S. P. McGlynn and G. L. Findley, Xth International Photochemistry Conference, Iraklion, Crete, Greece, September 6-12, 1981.

–Invited Lecture
28. "Giant-Molecule Interactions," Department of Chemistry, The University of Arkansas at Little Rock, Little Rock, Arkansas, October 5, 1981.

–Invited Lecture
29. Symposium Leader and Session Chairman at 9th International Symposium on quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 3-6, 1982.

–By Invitation

Gary L. Findley

30. "Giant-Molecule Interactions," Department of Chemistry, New York University, New York, New York, March 22, 1982.

–Invited Lecture

31. Fifteenth Annual Radiological and Chemical Physics Contractors' Meeting of the United States Department of Energy, Gettysburg, Pennsylvania, May 3-6, 1982.

(a) G. L. Findley and S. P. McGlynn, "DNA and Genetic Coding Theory."

(b) S. P. McGlynn and G. L. Findley, "Giant-Molecule Interactions."

–Invited Lectures

32. Associate Director, NATO-ASI: Photophysics and Photochemistry in the Vacuum Ultraviolet, Lake Geneva, Wisconsin, August 15-28, 1982.

–Symposium Organized

33. Session Chairman, NATO-ASI: Photophysics and Photochemistry in the Vacuum Ultraviolet, Lake Geneva, Wisconsin, August 15-28, 1982.

–By Invitation

34. "A Lexicon for VUV Photophysics," NATO-ASI: Photophysics and Photochemistry in the Vacuum Ultraviolet, Lake Geneva, Wisconsin, August 15-28, 1982.

–Plenary Lecture

35. Symposium Leader at 10th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 13-16, 1983.

–By Invitation

36. "Quantum Defect Theory Applied to Molecules," Department of Physics, New York University, New York, New York, April 4, 1983.

–Invited Lecture

37. "Genetic Coding Theory," Department of Physics, Polytechnic Institute of New York, Brooklyn, New York, February 9, 1984.

–Invited Lecture

Gary L. Findley

38. Symposium Leader and Session Chairman at 11th International Symposium on quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 12-15, 1984.

–By Invitation

39. “Genetic Coding Theory,” Institute for Theoretical Chemistry, University of Erlangen-Nurnberg, Erlangen, West Germany, July 13, 1984.

–Invited Lecture

40. “Rydberg States in Condensed Media,” Ruder-Boskovic Institute, Zagreb, Yugoslavia, July 16, 1984.

–Invited Lecture

41. “Rydberg States in Condensed Media,” Institute for Physical and Theoretical Chemistry, National Hellenic Research Foundation, Athens, Greece, July 19, 1984.

–Invited Lecture

42. “Rydberg/Valence Interactions,” Hamburger Synchrotronstrahlungslabor (HASYLAB), Deutsches Elektronen-Synchrotron (DESY), Hamburg, West Germany, November 22, 1984.

–Invited Lecture

43. “Evolution of the Conduction Band in Rare-Gas Solids,” Department of Physics, New York University, New York, New York, January 3, 1985.

–Invited Lecture

44. “Evolution of the Conduction Band in Rare-Gas Solids,” Department of Chemistry, Queens College of the City University of New York, New York, New York, May 1, 1985.

–Invited Lecture

45. “Excitons in Rare-Gas Solids,” Institute for Theoretical Chemistry, University of Erlangen-Nurnberg, Erlangen, West Germany, July 12, 1985.

–Invited Lecture

Gary L. Findley

46. "Excited States of Molecularly Doped Insulators," Department of Chemistry, Louisiana State University, Baton Rouge, Louisiana, November 1, 1985.

–Invited Lecture

47. Participant at Nineteenth Annual Radiological and Chemical Physics Contractors' Meeting of the United States Department of Energy, Oak Ridge, Tennessee, April 22-24, 1986.

–By Invitation

48. T. Georgian and G. L. Findley, "Hamiltonian Dynamics of Chemical Reactions," CIC Symposium on Computational and Mathematical Chemistry, Saskatoon, Saskatchewan, Canada, June 1-4, 1986.

–Invited Lecture

49. "Density Effects on High-n Molecular Rydberg States," Institute for Theoretical Chemistry, University of Erlangen-Nurnberg, Erlangen, West Germany, July 14, 1986.

–Invited Lecture

50. "Anticipated Synchrotron Radiation Research with the COSY Storage Ring," Department of Physics, Louisiana State University, Baton Rouge, Louisiana, February 19, 1987.

–Invited Lecture

51. "Prospects for Plasma Physics Research Using Laser Optogalvanic Spectroscopy."

(a) The Marquardt Corporation, Van Nuys, California, March 10, 1987.

(b) Air Force Rocket Propulsion Laboratory, Edwards, California, March 11, 1987.

(c) Volvo-Flygmotor, Trollhaetten, Sweden, May 6, 1987.

–Invited Lectures

52. "Experimental Physics Possibilities at CAMD," Department of Physics, Louisiana State University, Baton Rouge, Louisiana, December 2, 1987.

–Invited Lecture

Gary L. Findley

53. SRC Workshop on Synchrotron Radiation and Semiconductor Technology, Louisiana State University, Baton Rouge, Louisiana, August 15-16, 1988.
–Conference Organized
54. “LSU Center for Advanced Microstructures and Devices,” Tenth Conference on the Applications of Accelerators in Research and Industry, Denton, Texas, November 7-9, 1988.
–Invited Lecture
55. “The CAMD Electron Storage Ring,” Nuclear Science Center, Louisiana State University, Baton Rouge, Louisiana, February 17, 1989.
–Invited Lecture
56. “Cooperative Research at CAMD: Importance of Louisiana Universities,” Workshop on Science and Technology at CAMD, Louisiana State University, Baton Rouge, Louisiana, April 8-9, 1996.
–Invited Lecture
57. “A Phenomenological Hamiltonian for the Lotka-Volterra Problem,” Second International Congress on Theoretical Chemical Physics, New Orleans, Louisiana, April 9-13, 1996.
–Invited Lecture
58. Member of Discussion Panel, “The Importance of Theoretical Chemical Physics in Biology,” Second International Congress on Theoretical Chemical Physics, New Orleans, Louisiana, April 9-13, 1996.
–By Invitation
59. Second International Congress on Theoretical Chemical Physics, New Orleans, Louisiana, April 9-13, 1996. Member of the Local Organizing Committee.
–Conference Organized
60. “Synchrotron Radiation in Chemistry,” 1998 Southwest Regional Meeting of the American Chemical Society, Baton Rouge, LA, November 1 - 3, 1998.
–Invited Lecture

Gary L. Findley

61. "Subthreshold Photoionization Spectra of CH₃I in Perturber Gases: Ar, N₂, CO₂ and SF₆," Department of Chemistry, Louisiana Tech University, Ruston, LA, April 26, 2000.

–Invited Lecture
62. Member of the Materials Science Advisory Board, Louisiana Materials Science Conference, University of New Orleans, New Orleans, LA, August 17 - 18, 2000.

–Conference Organized
63. "Subthreshold Photoionization in Molecular Gases," CAMD, Louisiana State University, Baton Rouge, LA, January 9, 2001.

–Invited Lecture
64. "Subthreshold Photoionization Spectra of Molecules Doped into High Density Perturbers," Department of Chemistry, Saint Louis University, Saint Louis, MO, February 5, 2002.

–Invited Lecture
65. "Subthreshold Photoionization Spectra of Dopant/Perturber Systems," Department of Chemistry, Southern Illinois University Carbondale, Carbondale, IL, September 16, 2002.

–Invited Lecture
66. "Field Ionization of Methyl iodide in Supercritical Argon: Energetics of the Quasi-Free Electron," G. L. Findley and C. M. Evans, CAMD, Louisiana State University, Baton Rouge, LA, November 5, 2004.

–Invited Lecture
67. "Evolution of the Conduction Band in Dense Rare Gases," Department of Chemistry and Physics, Arkansas State University, Jonesboro, AR, December 8, 2005.

–Invited Lecture

Gary L. Findley

68. Session Chairman and Breakout Session reporter for “Control of Electrons in Atoms, Molecules and Materials: Creating a New Language for the Behavior of Electrons” at “Enabling Grand Challenge Science: The Light Source of the Future,” a workshop sponsored by the LSU Office of Research and Economic Development, Louisiana State University, Baton Rouge, LA, January 28-30, 2008.

–By Invitation

69. Participant at the NSF Light Source Panel Visit, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, March 28, 2008.

–By Invitation

70. “Energy of the Conduction Band in Dense Fluids,” Gary Findley and Cherice Evans, University of Wisconsin Synchrotron Radiation Center Quantum Lunch Presentation, Stoughton, WI, July 21, 2009.

–Invited Lecture

71. Session Chair, 2009 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, October 23 -24, 2009.

–By Invitation

6. PAPERS (UNINVITED) PRESENTED AT CONFERENCES

1. 32nd American Chemical Society Southwest Regional Meeting, Ft. Worth, Texas, December 1-3, 1976.
 - (a) G. L. Findley, K. Wittel, W. S. Felps and S. P. McGlynn, "Intermediate Coupling Model for Linear Molecules."
 - (b) T. P. Carsey, G. L. Findley and S. P. McGlynn, "The Absorption and Emission Characteristics of Highly Polar Aromatics."
2. G. L. Findley, K. Wittel, W. S. Felps and S. P. McGlynn, "Vibronic Coupling in Ethylene," 17th International Symposium on Atomic, Molecular, Solid-State Theory, Collision Phenomena, and Computational Methods, Sanibel Island, Florida, January 16-22, 1977.
3. 32nd Symposium on Molecular Spectroscopy, The Ohio State University, Columbus, Ohio, June 13-17, 1977.
 - (a) H. -t. Wang, W. S. Felps, G. L. Findley and S. P. McGlynn, "Quantum Defect Analogies between Rydberg States of Molecules and Rare Gases."
 - (b) G. L. Findley, K. Wittel, W. S. Felps and S. P. McGlynn, "The Geometry of Ethylene in the R_{1s} state."
4. G. L. Findley and S. P. McGlynn, "Symmetry Characteristics of the Genetic Code," 33rd American Chemical Society Southwest Regional Meeting, Little Rock, Arkansas, December 5-7, 1977.
5. G. L. Findley and S. P. McGlynn, "A Riemannian-Geometric Theory of Biological Evolution," 5th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 9-11, 1978.
6. "Ambiguous Codon Assignments in the Genetic Code," an informal lecture presented at the Gordon Research Conference on Theoretical Biology and Biomathematics, Tilton, New Hampshire, June 19-23, 1978.
7. G. L. Findley and S. P. McGlynn, "A Biological Field Theory of Evolution," VIIth Integrative Conference on Group Theory and Mathematical Physics, The University of Texas, Austin, Texas, September 11-16, 1978.

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8. G. L. Findley and S. P. McGlynn, "A Generalized Genetic Code," 6th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 5-10, 1979.
9. G. L. Findley and S. P. McGlynn, "The Generalized Genetic Code: Recent Results," 7th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 5-8, 1980.
10. G. L. Findley and S. P. McGlynn, "Geometry and Evolution," 8th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 4-7, 1981.
11. J. A. Dagata, G. L. Findley, S. P. McGlynn, J. -P. Connerade and M. A. Baig, "Molecular Rydberg Transitions. Multi-Channel Approaches to Electronic States: CH₃I," 36th Annual Symposium on Molecular Spectroscopy, The Ohio State University, Columbus, Ohio, June 15-19, 1981.
12. 9th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 3-6, 1982.
 - (a) A. M. Findley and G. L. Findley, "The Generalized Genetic Code. A Note on Order-Isomorphism/Order-Equivalence Relations."
 - (b) P. Hochmann, S. P. McGlynn and G. L. Findley, "Ionization Potential Correlations for Alkylated Chromophores."
13. D. Kumar, R. V. Nauman, R. Mohanty, S. P. McGlynn and G. L. Findley, "Laser Power Fluctuation: An Analog Correction Technique for Spectroscopic Signals," 37th Annual Symposium on Molecular Spectroscopy, The Ohio State University, Columbus, Ohio, June 14-18, 1982.
14. D. Kumar, P. Venkateswarlu, R. V. Nauman, S. P. McGlynn and G. L. Findley, "Photoacoustic Spectroscopy of Iodine Using a Tunable Dye Laser," 9th Annual Meeting of the Federation of Analytical Chemistry and Spectroscopy Societies, Philadelphia, Pennsylvania, September 19-24, 1982.
15. P. Hochmann, A. Langsjoen, S. P. McGlynn and G. L. Findley, "Ionization Energy Correlations for Alkyl-Substituted Chromophores," 38th Southwest and 6th Rocky Mountain Combined Regional Meeting of the American Chemical Society, El Paso, Texas, December 1-3, 1982.
16. T. Georgian and G. L. Findley, "Hamiltonian Formulations of Chemical Kinetics," 10th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 13-16, 1983.

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17. G. L. Findley, P. Hochmann and S. P. McGlynn, "Correlation Algorithms for Ionization Energies and Rydberg Term Values," VIIth International Conference on Vacuum Ultraviolet Radiation Physics, The Hebrew University of Jerusalem, Jerusalem, Israel, August 8-12, 1983.
18. A. M. Findley and G. L. Findley, "Genetic Coding Theory: Alternative Genetic Codes," NYAS Colloquium in Biological Sciences, New York, New York, November 11, 1983.
19. 11th International Symposium on Quantum Biology and Quantum Pharmacology, Palm Coast, Florida, March 12-15, 1984.
 - (a) A. M. Findley and G. L. Findley, "Genetic Coding Theory. Alternative Mitochondrial Genetic Codes.
 - (b) T. Georgian, J. M. Halpin and G. L. Findley, "Hamiltonian Dynamics of Simple Chemical Reactions."
20. T. Georgian, J. M. Halpin and G. L. Findley, "Hamiltonian Dynamics of Simple Chemical Reactions," 32nd Annual Undergraduate Research Symposium, New York Section of the American Chemical Society, St. John's University, New York, New York, May 5, 1984.
21. R. Reininger, V. Saile, G. L. Findley, P. Laporte and I. T. Steinberger, "Photoconduction in Fluid Rare Gases Doped with Molecular Impurities," 38th International Meeting, Photophysics and Photochemistry above 6eV, Bombannes, France, September 17-21, 1984.
22. Meeting of the German Physical Society, Bayreuth, West Germany, March 25-29, 1985.
 - (a) A. Koehler, R. Reininger, V. Saile and G. L. Findley, "Druckabhangigkeit der Rydbergzustande von methyljodid."
 - (b) A. Koehler, R. Reininger, V. Saile and G. L. Findley, "Photoionisation von Xe and CH₃J unterhalb der Ionisationsgrenze des freien Atoms bzw. Molekuls."
23. A. M. Koehler, V. Saile, R. Reininger and G. L. Findley, "Photoionization and Absorption of CH₃I and CH₃Br in Rare Gases," Second European Conference on Atomic and Molecular Physics, Free University, Amsterdam, The Netherlands, April 15-19, 1985.
24. A. M. Koehler, R. Reininger, V. Saile and G. L. Findley, "CH₃J in He, Ne, Ar Kr: Abhaengigkeit der molekularen Rydbergzustaende von der Edelgasdicte," Annual Meeting of the German Physical Society, Heidelberg, FRG, March 17-21, 1986.

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25. 191st American Chemical Society National Meeting, New York, New York, April 13-18, 1986.
- (a) J. A. Wilder and G. L. Findley, "Multiphoton Photoacoustic Spectroscopy of Molecular Rydberg States."
 - (b) A. M. Findley, A. Koehler, S. Bernstorff, V. Saile and G. L. Findley, "Photoionization Spectroscopy of Highly Polar Aromatics."
 - (c) S. Bernstorff, V. Saile and G. L. Findley, "Term Value/Band Gap Correlations for Solid Rare Gas Excitons."
 - (d) J. M. Halpin, T. Georgian and G. L. Findley, "Hamiltonian Dynamics of Consecutive First-Order Chemical Reactions."
 - (e) D. M. Ortalano, J. A. Wilder, T. Georgian, S. Bernstorff and G. L. Findley, "An Electronic Adiabatic Approximation for Rydberg States."
 - (f) D. -L. Yang, M. Zielinski, M. Pope and G. L. Findley, "Photoemission from Carbon Particles into Inert Atmospheres."
 - (g) M. Zielinski, S. Bernstorff, M. Pope and G. L. Findley, "Photoemission Studies of the Nucleic Acid Bases Using the Millikan-Pope-Arnold Technique."
 - (h) D. Athanasopoulos and G. L. Findley, "Holomorphic Hamiltonians in Complex Phase Space."
26. 8th International Conference on Vacuum Ultraviolet Radiation Physics, Lund, Sweden, August 4-8, 1986.
- (a) A. M. Findley, S. Bernstorff and G. L. Findley, "Systematics in the Ionization Energies of Rare Gas Clusters."
 - (b) A. M. Findley, S. Bernstorff, A. M. Koehler, V. Saile and G. L. Findley, "Photoionization Spectroscopy of Highly-Polar Aromatics."
 - (c) A. M. Koehler, R. Reininger, V. Saile and G. L. Findley, "Adiabatic and Vertical Photoionization Energies for Some Small Molecules."
 - (d) J. A. Wilder and G. L. Findley, "Two-Photon Photoacoustic Spectroscopy of Molecular Rydberg States."

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27. D. M. Ortalano and G. L. Findley, "Empirical Quantum Defects for Solid Rare Gas Excitons," New Opportunities in Chemistry: An International Symposium on the Uses of Synchrotron Radiation in Chemistry, Brookhaven National Laboratory, Upton, New York, November 4-6, 1987.
28. A. M. Koehler, R. Reininger, V. Saile and G. L. Findley, "Die Polarisation von Edelgasen durch ein Ion-Einfluss der Teilchendichte und Relaxationszeit," Statusseminar Synchrotronstrahlung, Freie Universität, Berlin, FRG, December 10-11, 1987.
29. March Meeting of the American Physical Society, New Orleans, Louisiana, March 21-25, 1988.
 - (a) A. M. Findley, L. Klasinc and G. L. Findley, "Systematics in the First Ionization Energies of Highly Polar Aromatics."
 - (b) D. M. Ortalano and G. L. Findley, "An Empirical Quantum Defect Approach to Solid Rare Gas Excitons."
30. "Louisiana State University Center for Advanced Microstructures and Devices (CAMD)," The 3rd International Conference on Synchrotron Radiation Instrumentation: SRI-88, Tsukuba, Japan, August 29 - September 2, 1988.
31. C. M. Evans and G. L. Findley, "Analytic Solutions to the Lotka-Volterra Problem," 1998 Joint Meeting of the American Physical Society and the American Association of Physics Teachers, Columbus, OH, April 18 - 21, 1998.
32. C. M. Evans, R. Reininger and G. L. Findley, "Photoionization Spectra of CH₃I Perturbed by SF₆: Electron Scattering in SF₆ Gas," 1998 Southwest Regional Meeting of the American Chemical Society, Baton Rouge, LA, November 1 - 3, 1998.
33. C. M. Evans, R. Reininger and G. L. Findley, "Subthreshold Photoionization Spectra of CH₃I Perturbed by SF₆," American Physical Society Centennial Meeting, Atlanta, GA, March 20 - 26, 1999.
34. C. M. Evans, R. Reininger and G. L. Findley, "Subthreshold Photoionization of CH₃I in Ar, N₂, and CO₂," 218th National Meeting of the American Chemical Society, New Orleans, LA, August 22 - 26, 1999.
35. C. M. Evans and G. L. Findley, "A New Family of Lotka-Volterra Related Differential Equations," Year 2000 International Conference on Dynamical Systems and Differential Equations, Kennesaw, GA, May 18 - 21, 2000.

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36. C. M. Evans, E. Morikawa and G. L. Findley, "Photoionization of CH₃I and C₂H₅I Perturbed by CF₄ and c-C₄F₈: Electron Scattering in Halocarbon Gases," Annual Meeting of the American Physical Society Division of Atomic, Molecular and Optical Physics, Storrs, CT, June 14 - 17, 2000.
37. C. M. Evans and G. L. Findley, "Electron Scattering in Halogenated Gases: CH₃I Perturbed by SF₆, CF₄ and c-C₄F₈," Louisiana Materials Science Conference, University of New Orleans, New Orleans, LA, August 17 - 18, 2000.
38. C. M. Evans and G. L. Findley, "Field ionization of CH₃I in supercritical Ar," 36th Annual Synchrotron Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, October 25 - 26, 2003.
39. C. M. Evans and G. L. Findley, "Field ionization of methyl iodide in supercritical argon: Energetics of the quasi-free electron," 37th Annual Synchrotron Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, October 15 - 16, 2004.
40. Xianbo Shi, Luxi Li, C. M. Evans and G. L. Findley, "Field Ionization of Trimethylamine in Supercritical Methane," 39th Annual Synchrotron Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, October 18 - 19, 2006.
41. Xianbo Shi, Luxi Li, C. M. Evans and G. L. Findley, "Energy of the Quasi-Free Electron in Argon, Krypton and Xenon," 2007 Conference on Synchrotron Radiation Instrumentation, Baton Rouge, Louisiana, April 25 - 27, 2007.
42. Luxi Li, Xianbo Shi, C. M. Evans and G. L. Findley, "Structure of Xe 6s Rydberg States in Supercritical Ar," 2007 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, October 12 - 13, 2007.
43. Xianbo Shi, Luxi Li, Gina Moriarty, C. M. Evans and G. L. Findley, "Energy of the Quasi-Free Electron in Low Density Ar and Kr: Extension of the Local Wigner-Seitz Model," 2007 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, October 12 - 13, 2007.
44. Luxi Li, Xianbo Shi, C. M. Evans and G. L. Findley, "Structure of the Xe 6s and 6s' Rydberg States in Supercritical Ar," 39th Annual Meeting of the APS Division of Atomic, Molecular, and Optical Physics, State College, PA, May 27 - 31, 2008.
45. Xianbo Shi, Luxi Li, Gina Moriarty, Cherice Evans and Gary Findley, "Energy of the Quasi-Free Electron in Low Density Ar and Kr: Extension of the Local Wigner-Seitz Model," 39th Annual Meeting of the APS Division of Atomic, Molecular, and Optical Physics, State College, PA, May 27 - 31, 2008.

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46. Xianbo Shi, Luxi Li, Gina Moriarty, C. M. Evans and G. L. Findley, "Energy of the Excess Electron in Supercritical Atomic and Molecular Fluids," 2008 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, September 26 - 27, 2008.
47. Luxi Li, Xianbo Shi, C. M. Evans and G. L. Findley, "Low-n CH₃I Rydberg States Doped into Supercritical Ar, Kr and Xe," 2008 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, September 26 - 27, 2008.
48. Xianbo Shi, Luxi Li, Cherice M. Evans and Gary L. Findley, "Energy of the Quasi-Free Electron in Atomic and Molecular Fluids," 2009 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, October 23 - 24, 2009.
49. C. M. Evans, Y. Lushtak and G. L. Findley, "Energy of the Quasi-Free Electron in Dense Neon," 2010 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, October 8 - 9, 2010.
50. Y. Lushtak, Xianbo Shi, Luxi Li, C. M. Evans and G. L. Findley, "Temperature Effects on the Perturber Induced Shift of Dopant Ionization Energies in He and Ne," 2011 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, September 16 - 17, 2011.
51. Y. Lushtak, C. M. Evans and G. L. Findley, "Field Enhanced Photoemission: A New Technique for the Direct Determination of the Quasi-Free Electron Energy in Dense Fluids," 2011 SRC Users Meeting, University of Wisconsin Synchrotron Radiation Center, Stoughton, WI, September 16 - 17, 2011.
52. Yevgeniy Lushtak, Cherice Evans and Gary Findley, "A New Technique for the Direct Determination of the Quasi-Free Electron Energy in Dense Fluids," March Meeting of the American Physical Society, Boston, MA, February 27 - March 3, 2012.
53. Yevgeniy Lushtak, Samantha Dannenberg, Cherice Evans and Gary Findley, "Quasi-Free Electron Energy in Near Critical Point He," March Meeting of the American Physical Society, Boston, MA, February 27 - March 3, 2012.