

Vita – Julien Clinton Sprott

Julien Clinton Sprott Birth date: September 16, 1942, Memphis, Tennessee

Education: B.S. Physics, MIT, 1964
M.S. Physics, UW-Madison, 1966
Ph.D. Physics, UW-Madison, 1969

Experience: Laboratory Technician, MIT, Summer, 1964
Research Assistant, UW-Madison, 1964-1969
Lecturer, UW-Madison EE, 1969-1970
Project Associate, UW-Madison Physics, 1969-1970
Research Physicist, Oak Ridge National Lab, 1970-1972
Visiting Assistant Professor, UW-Madison, 1972-1973
Assistant Professor, UW-Madison, 1973-1977
Associate Professor, UW-Madison, 1977-1979
Professor, UW-Madison, 1979-2008
Professor Emeritus, UW-Madison, 2008-present

Consulting: Oak Ridge National Laboratory (Bumpy torus), 1972
McDonnell Douglas Corporation (Bumpy torus), 1977-1980
Electric Power Research Institute (Self-colliding orbits), 1978
TRW (Advanced fuel multipoles and ion cyclotron heating), 1979
Argonne National Laboratory (Tokamaks), 1979-1980
Honeywell (Plasma diagnostics), 1981
Dr. Kenneth Kensey (Levitation System), 1986
West Publishing (Physics Textbooks), 1990
Saunders College Publishing (Video production), 1991-1992
Society of Actuaries (Video production), 1992
Praxair, Inc. (Pulsed power), 2003
Chicago Museum of Science and Industry (Science Storms), 2006

Memberships: American Physical Society Fellow (Division of Plasma Physics)
University Fusion Association
American Association of Physics Teachers
Sigma Xi
Society for Chaos Theory in Psychology and Life Sciences
New England Complex Systems Institute

Specialty Area: Heating and confinement of plasmas, especially electron and ion cyclotron resonance heating in magnetic mirrors and toroidal devices, extraterrestrial plasmas and cosmic rays. Nonlinear dynamics and chaos.

1. Wide Band Electrostatic Probes for Use in Tenuous Plasmas, Rev. of Sci. Instr. **37**, 897 (1960).
2. Equipotential Surfaces of a Plasma Moving in A Toroidal Octupole Magnetic Field, A. Filimonov, D.E. Lencioni, J.C. Sprott, and R.L. Willig, Jr., Bull. Am. Phys. Soc. **11**, 452 (1966). 72
3. The Influence of B_θ on Density Distribution in a Toroidal Octupole, D.E. Lencioni and J.C. Sprott, Bull. Am. Phys. Soc. **12**, 790 (1967). 89
4. The Influence of B_θ on Injection and Transport in a Toroidal Octupole Magnetic Field, J.C. Sprott, Bull. Am. Phys. Soc. **12**, 789 (1967). 84
5. Behavior of a Cold Ion Plasma in a Toroidal Octupole, J.C. Sprott, Bull. Am. Phys. Soc. **12**, 694 (1967). Post deadline paper.) 125
6. Characteristics of Microwave Plasma in a Toroidal Octupole, J.C. Sprott, Bull. Am. Phys. Soc. **13**, 266 (1968). 153
7. Magnetic Guarding of Octupole Conductor Supports, H.K. Forsen, A.W. Molvik, and J.C. Sprott, Bull. Am. Phys. Soc. **13**, 266 (1968). 155
8. Influence of a Toroidal Field on Plasma Confined in a Toroidal Octupole, D.E. Lencioni, J.A. Schmidt, J.C. Sprott, and C.W. Erickson, Phys., Fluids **11**, 1115 (1968).
9. Plasma Confinement in a Toroidal Octupole Magnetic Field, H.K. Forsen, D.W. Kerst, D.E. Lencioni, D.M. Meade, F.E. Mills, A.W. Molvik, J.A. Schmidt, J.C. Sprott, and K.R. Symon, Proceedings of the Third International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Movosibirsk, U.S.S.R., 1-7 August 1968, paper **CN 24/C-1** (IAEA, Vienna, 1969), Vol. I, p. 313.
10. Admittance Probe Method of Measuring Time Resolved Plasma Electron Temperatures, J.C. Sprott, Rev. of Sci. Instr. **39**, 1569 (1968).
11. Double Vortex Flows in Plasmas Axially Traversing Multipole Magnetic Fields, G.O. Barney, and J.C. Sprott, Phys. Fluids **12**, 707 (1969).
12. Electron Cyclotron Heating in a Non-Uniform Magnetic Field, J.C. Sprott, Bull. Am. Phys. Soc. **13**, 1508 (1968). 242
13. Resonant Microwave Heating of a Gun Plasma in a Toroidal Octupole, J.C. Sprott and Glenn Kuswa, Bull. Am. Phys. Soc. **14**, 726 (1969). 186
14. Behavior of R.F. Heated Plasmas in a Toroidal Octupole Magnetic Field, J.C. Sprott, UW, Ph.D. Thesis (1969). 282
15. Studies of Plasma Confinement in a Toroidal Octupole, H.K. Forsen, H. De la Fuente, D.W. Kerst, C.W. Kuswa, D.E. Lencioni, D.M. Meade, F.E. Mills, A.W. Molvik, J.W. Rudmin, J.A. Schmidt, and J.C. Sprott, Proceedings of the International Symposium on

- Closed Confinement Systems, Dubna, U.S.S.R., 29 September-3 October 1969, p. 16.
16. Attempts at Ion Cyclotron Heating in a Toroidal Octupole, J.C. Sprott, Bull. Am. Phys. Soc. **14**, 1033 (1969).
 17. Some Features and Preliminary Tests of a Levitated Octupole, D.W. Kerst, H.K. Forsen, R.A. Breun, A.J. Cavallo, and J.C. Sprott, Bull. Am. Phys. Soc. **14**, 1050 (1969).
 18. Behavior of a Cold Ion Plasma in a Toroidal Octupole, J.C. Sprott, Phys. Fluids **13**, 1626 (1960).
 19. Plasma Measurements in a Levitated Pulsed Octupole, H.K. Forsen, D.W. Kerst, R.A. Breun, A.J. Cavallo, J.R. Drake, and J.C. Sprott, in Proceedings of the Fourth International Conference on Controlled Fusion and Plasma Physics, Rome, 1970, p. 4. 366
 20. Theory of Off-Resonance Heating, J.C. Sprott, Bull. Am. Phys. Soc. **15**, 1472 (1970). 373
 21. Experiments on Off-Resonance Heating, K.A. Connor, J.C. Sprott, and J.L. Shohet, Bull. Am. Phys. Soc. **15**, 1472 (1970).
 22. Free-Free Bremsstrahlung from Loss Cone Distributions of Relativistic Electrons, D.G.S. Greene, J.C. Sprott, and J.L. Shohet, Bull. Am. Phys. Soc. **15**, 1481 (1970).
 23. Microwave Heating in Toroidal Multipoles, J.C. Sprott, Bull. Am. Phys. Soc. **15**, 1449 (1970).
 24. High-Beta Relativistic Electron Plasmas in Axisymmetric and Non-Axisymmetric Mirrors, R.A. Dandl, H.O. Eason, P.H. Edmonds, A.C. England, G.E. Guest, C.L. Hedrick, J.T. Hogan, and J.C. Sprott, in Plasma Physics and Controlled Nuclear Fusion Research (International Atomic Energy Agency, Vienna, 1971), Vol. II, p. 607.
 25. Plasma Injection, Heating, Confinement, and Losses in Multipole Structures, D.W. Kerst, H.K. Forsen, D.M. Meade, D.E. Lencioni, J.C. Sprott, H.V. De la Fuente, A.W. Molvik, R.A. Breun, A.J. Cavallo, J.R. Drake, J.R. Greenwood, T.C. Jernigan, R. Prater, and J.W. Rudmin, in Plasma Physics and Controlled Nuclear Fusion Research, Vol. I, page 3 (International Atomic Energy Agency, Vienna, 1971).
 26. Electron Cyclotron Heating in Toroidal Octupoles, J.C. Sprott, Phys. Fluids **14**, 1795 (1971). 384
 27. Numerical Simulation of Off-Resonance Heating, J.C. Sprott, Bull. Am. Phys. Soc. **16**, 1281 (1971).
 28. Recent High- β Canted Mirror Experiments, A.C. England, R.A. Dandl, H.O. Eason, and J.C. Sprott, Bull. Am. Phys. Soc. **16**, 1281 (1971).
 29. Computer Calculations of Electron Cyclotron Heating in a Nonuniform Magnetic Field, J.C. Sprott, and P.H. Edmonds, Phys. Fluids **14**, 2703 (1971).
 30. The Use of Synchrotron Radiation to Provide Ionization of Wall Originated Impurities in a Thermonuclear Reactor, H.K. Forsen and J.C. Sprott, Nuclear Fusion **12**, 126 (1972). 445
 31. Off-Resonance Heating of Mirror Confined Plasmas, J.C. Sprott, K.A. Connor, and J.L. Shohet, Plasma Physics **14**, 269 (1972).

32. Computer Simulation of Ion Heating by Pulsed Microwaves, J.C. Sprott, Bull. Am. Phys. Soc. **17**, 774 (1972).
33. MHD Stability and Hot Electron Mirror Confined Plasmas, S.N. Golvato, J.C. Sprott, and J.L. Shohet, Bull. Am. Phys. Soc. **17**, 1004 (1972).
34. Ion Cyclotron Heating in a Toroidal Octupole. J.D. Barter, R.A. Breun, and J.C. Sprott, Bull. Am. Phys. Soc. **17**, 1040 (1972).
35. Numerical Calculations of Steady State Microwave Plasma Parameters, J.C. Sprott, and A.C. England, Bull. Am. Phys. Soc. **17**, 1058 (1972).
36. Polarization of Free-Free Bremsstrahlung from Magnetically Confined Plasmas. A.C. England, R.A. Dandl, H.O. Eason, and J.C. Sprott, Bull. Am. Phys. Soc. **17**, 1066 (1972).
37. Numerical Calculations of Off-Resonance Heating, J.C. Sprott, Phys. Fluids **15**, 2247 (1972).
38. Effect of Magnetic Field Errors on Confinement in Bumpy Tori, J.C. Sprott, Phys. Fluids **16**, 1157 (1973).
39. Measurement of Electron Cyclotron Heating Rates, K.L. Wong, J.C. Sprott, and J.D. Barter, Bull. Am. Phys. Soc. **18**, 1258 (1973). 520
40. Ion Heating with R.F. Fields Near the Ion Cyclotron Frequency, J.D. Barter and J.C. Sprott, Bull. Am. Phys. Soc. **18**, 1351 (1973) 538
41. Electron Impact Desorption from Vacuum Surfaces, J.F. Etzweiler and J.C. Sprott, Bull. Am. Phys. Soc. **18**, 1298 (1973).
42. Numerical Calculations of Multipole Plasma Confinement, J.R. Patau and J.C. Sprott, Bull. Am. Phys. Soc. **18**, 1352 (1973).
43. Theory and Simulation of Cyclotron Heating in a Linear Octupole, J.C. Sprott, Proceedings of Second Topical Conference on RF Plasma Heating, Lubbock, Texas, paper **E2** (1974). 537
44. ECRH Experiments in a Toroidal Octupole, K.L. Wong and J.C. Sprott, Proceedings of the Second Topical Conference on RF Plasma Heating, Lubbock, Texas, paper **E3** (1974).
45. ICRH Experiments in a Toroidal Octupole, J.D. Barter and J.C. Sprott, Proceedings of the Second Topical Conference on RF Plasma Heating, Lubbock, Texas paper **E4** (1974) 569
46. High- β Plasma Behavior in a Canted Mirror, R.A. Dandl, H.O. Eason, A.C. England, and J.C. Sprott, Nuclear Fusion **13**, 693 (1973).
47. Toroidal Ohmic Heating in the Small Wisconsin Octupole., J.F. Etzweiler and J.C. Sprott, Bull. Am. Phys. Soc. **19**, 885 (1974).
48. Ion Cyclotron Heating in a Toroidal Octupole, J.D. Barter and J.C. Sprott, Bull. Am. Phys. Soc. **19**, 960 (1974).

49. Digital Plasma Density Determining Device, D.J. Holly, T.W. Lovell, and J.C. Sprott, *Rev. Sci. Instr.* **45**, 947 (1974).
50. Measurements of Electron Cyclotron Heating Rates, J.D. Barter, J.C. Sprott, and K.L. Wong, *Phys. Fluids* **17**, 810 (1974).
51. Plasma Heating and Losses in Toroidal Multipole Fields, J.C. Armentrout, J.D. Barter, R.A. Breun, A.J. Cavallo, J. R. Drake, J.F. Etzweiler, J.R. Greenwood, W.C. Guss, D.W. Kerst, G.A. Navratil, R.S. Post, J.W. Rudmin, G.L. Schmidt, J.C. Sprott, and K.J. Wong, *Plasma Physics and Controlled Nuclear Fusion Research (International Atomic Energy Agency, Vienna, 1974)*, Vol. **11**, p. 89.
52. Ion Cyclotron-Resonance Heating in a Toroidal Octupole, J.D. Barter, and J.C. Sprott, *Phys. Rev. Letters* **34**, 1607 (1976).
53. ICRH at Wisconsin, J.D. Barter and J.C. Sprott, *Bull. Am. Phys. Soc.* **20**, 1272 (1975).
54. Effects of External Poloidal Fields on the Development of a Toroidal Discharge, J.C. Sprott and J.F. Etzweiler, *Bull. Am. Phys. Soc.* **20**, 1256 (1975).
55. Study of Electron Desorbed Gases in an Octupole, R.J. Groebner and J.C. Sprott, *Bull. Am. Phys. Soc.* **20**, 1333 (1975).
56. Preliminary Electric Field Divertor Experiment, E.J. Strait and J.C. Sprott, *Bull. Am. Phys. Soc.* **20**, 1334 (1975).
57. Resistivity Measurements in the Toroidal Discharge in an Octupole, J.F. Etzweiler and J.C. Sprott, *Bull. Am. Phys. Soc.* **20**, 1384 (1975). 674
58. Numerical Model of Plasma Confinement, J.C. Sprott and E.J. Strait, *IEEE Transactions on Plasma Science* **PS-4**, 6 (1976).
59. Plasma Digital Density Determining Device, J.C. Sprott, T.W. Lovell, and D.J. Holly, U.S. Patent No. **3952246** (1976)
60. Ion Cyclotron Resonance Heating in a Toroidal Octupole, J.C. Sprott and J.C. Barter, *Proceedings of the 3rd International Meeting on the Theoretical and Experimental Aspects of Heating of Toroidal Plasmas*, p. 95, Grenoble, France (1976). 687
61. Electric Field Divertor Experiment, E.J. Strait and J.C. Sprott, *Bull. Am. Phys. Soc.* **21**, 1062 (1976). 669
62. Ion Cyclotron Heating on the Wisconsin Supported Toroidal Octupole, J.D. Barter, A.P. Biddle, R.J. Groebner, and J.C. Sprott, *Bull. Am. Phys. Soc.* **21**, 1773 (1976).
63. Resistivity Profile Measurements in the Small Wisconsin Octupole, E.F. Etzweiler and J.C. Sprott, *Bull. Am. Phys. Soc.* **21**, 1049 (1976).
64. Gun Injection into a Toroidally Confined Plasma, E.J. Strait and J.C. Sprott, *Bull. Am. Phys. Soc.* **22**, 1064 (1977). 741
65. The Wisconsin Tokapole, J.C. Sprott, *Bull. Am. Phys. Soc.* **22**, 1071 (1977).

66. MHD Equilibrium in Tokapole Devices, M.W. Phillips, J.C. Sprott, and A.M.M. Todd, Bull. Am. Phys. Soc. **22**, 1071 (1977).
67. Numerical Simulation of EBT Plasmas, R.B. Campbell, G.A. Gerdin, J.C. Sprott, and D.A. Defreese, Bull. Am. Phys. Soc. **22**, 1071 (1977).
68. Ion Cyclotron Heating in the Wisconsin Supported Toroidal Octupole, J.D. Barter and J.C. Sprott, Plasma Physics **19**, 945 (1977). 710
69. Ion Cyclotron Heating in the Wisconsin Supported Toroidal Octupole and Quadrupole, A.P. Biddle, K.J. Miler, and J.C. Sprott, Proceedings of the Third Conference on Radio Frequency Plasma Heating, Pasadena, CA, Jan. 11-13, 1978, paper **D1**. 730
70. RF Heating of an ELMO Bumpy Torus (EBT), J.H. Mullen and J.C. Sprott, Conference Record of the 1978 IEEE International Conference on Plasma Science, P. 53.
71. The Tokapole II Device, Proceedings of the Small Toroidal Devices Users' Meeting, J.C. Sprott, April 1978. 750
72. Experimental Study of Dee, Inverse-Dee and Square Tokamak Equilibria, B. Lipschultz, T.H. Osborne, S.C. Prager, K. Miller, and J.C. Sprott, Bull. Am. Phys. Soc. **23**, 900 (1978).
73. Tokapole II Equilibrium Measurements, M.W. Phillips, B. Lipschultz, T. Osborne, K. Miller, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **23**, 900 (1978).
74. Heating in the Ion Cyclotron Range of Frequencies in the Wisconsin Tokamak and Tokapole II, A.P. Biddle and J.C. Sprott, Bull. Am. Phys. Soc. **23**, 820 (1978).
75. ECRH Preionization in Tokapole II, D.J. Holly, D.R. Witherspoon, and J.C. Sprott, Bull. Am. Phys. Soc. **23**, 878 (1978).
76. The Effect of Toroidal Field Modifications Due to Canted Coils on the Charged Particle Drift Orbits in a Bumpy Torus, R.E. Juhala and J.C. Sprott, Bull. Am. Phys. Soc. **23** (1978).
77. Experimental Test of the Feasibility of Heating Tokamaks by Gun Injection, E.J. Strait and J.C. Sprott, Nuclear Fusion **18**, 1595 (1978).
78. Experimental Demonstration of $\vec{E} \times \vec{B}$ Plasma Divertor, E.J. Strait, D.W. Kerst, and J.C. Sprott, Physics of Fluids **21**, 2343 (1978).
79. High Power Heating and Propagation Using Fast Magnetosonic Waves in the Wisconsin Tokapole II, A.P. Biddle and J.C. Sprott, Conference Record of the 1979 IEEE International Conference on Plasma Science, p. 144 (1979). 786
80. Power Balance Measurements in Tokapole II Discharges, R.J. Groebner, R.N. Dexter, and J.C. Sprott, Conference Record of the 1979 IEEE International Conference on Plasma Science, p. 22 (1979). 787
81. Experimental Study of Axisymmetric Instability of Inverse-Dee and Square Tokamak Equilibria, B. Lipschultz, S.C. Prager, T.H. Osborne, J.C. Sprott, and M. Phillips, Phys. Rev. Letters **43**, 36 (1979).

82. The MDC EBT Proof of Principle Experiment, T.J. Manne, W.B. Ard, R.E. Juhala, R.J. Kashuba, J.H. Mullen, J.C. Sprott, G.A. Gerdin, P.L. Colstock, W.M. Hooke, J.C. Hosea, H.H. Klein, N.A. Krall, J.C. McBride, J.L. Sperling, *Bull. Am. Phys. Soc.* **24**, 1051 (1979).
83. Effects of Toroidal Curvature on Particle Drive Orbits in an EBT Device, J.E. Lenz, R.E. Juhala, and J.C. Sprott, *Bull. Am. Phys. Soc.* **24**, 1049 (1979).
84. High Power ICRF Heating in Tokapole II, A.P. Biddle and J.C. Sprott, *Bull. Am. Phys. Soc.* **24**, 1063 (1979).
85. Experimental Test of the Feasibility of Poloidal Ohmic Heating in a Multiple, D.J. Holly, 813
Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **24**, 1086 (1979).
86. Observations of Alfvén Resonances in Tokapole II, F.D. Witherspoon, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **24**, 1102 (1979).
87. Initial Results from the Tokapole II Poloidal Divertor Device, A.P. Biddle, R.N. Dexter, R.J. Groebner, D.J. Holly, B. Lipschultz, M.W. Phillips, S.C. Prager, and J.C. Sprott, *Nuclear Fusion* **9**, 1509 (1979).
88. Experimental Observation of Plasma Paramagnetism in a Tokamak, D.J. Holly, S.C. Prager, M.W. Phillips, and J.C. Sprott, *Phys. Fluids* **23**, 417 (1980).
89. High β Studies in the Levitated Toroidal Octupole, J.R. Conrad, D.W. Kerst, R.S. Post, S.C. Prager, J.C. Sprott, R.P. Torti, E.J. Strait, S. Garner, J.H. Halle, A. Kellman, M.W. Phillips, E.A. Rose, and J.C. Twichell, 8th IAEA Conference on Plasma Physics & Controlled Nuclear Research, Vol. **I**, p. 1709 (1981).
90. Stability and Heating of a Poloidal Divertor Tokamak, R.N. Dexter, S.C. Prager, J.C. Sprott, B. Lipschultz, A.P. Biddle, T.H. Osborne, F.D. Witherspoon, D.J. Holly, D.A. Shepard, and M.W. Phillips, 8th IAEA Conference on Plasma Physics & Controlled Nuclear Fusion Research, Vol. **II**, p. 705 (1981).
91. Loop Voltage Reduction by ECRH Preionization on Tokapole II, D.A. Shepard, D. Holly, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **25**, 1004 (1980).
92. ICRF Heating with Passive Mode Tracking in the Wisconsin Tokapole II, A.P. Biddle and J.C. Sprott, *Bull. Am. Phys. Soc.* **25**, 903 (1980).
93. Shear Alfvén Wave Heating Studies in Tokapole II, F.D. Witherspoon, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **25**, 903 (1980).
94. Poloidal Ohmic Heating in an Octupole, D.J. Holly, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys.* **25**, 862 (1980).
95. High Power ICRH Experiments on the Levitated Octupole, J.D. Barter, C.M. Fortgang, and J.C. Sprott, *Bull. Am. Phys. Soc.* **25**, 903 (1980).
96. High Power ICRH Experiments on the Wisconsin Levitated Octupole, E.J. Strait, C.M. Fortgang, J.C. Twichell, R.N. Dexter, J.C. Sprott, and J.D. Barter, Proceedings of the Fourth Topical Conference on Radio Frequency Plasma Heating (1981).
97. Alfvén Wave Heating Studies in Tokapole II, F.D. Witherspoon, C.E. Kieras, J.C. Sprott,

- and S.C. Prager, Proceedings of the Fourth Topical Conference on Radio Frequency Plasma Heating (1981).
98. High Power Heating Experiments on the Wisconsin Levitated Octupole, J.R. Conrad, R.N. Dexter, C.M. Fortgang, R.A. Moyer, L.S. Peranich, J.C. Sprott, E.J. Strait, R.P. Torti, J.C. Twichell, J.D. Barter, Proceedings of the IEEE International Conference on Plasma Science (1981).
 99. RF Startup and Heating of Tokapole II, D.J. Holly, C.E. Kieras, S.C. Prager, D.A. Shepard, J.C. Sprott, and F.D. Witherspoon, Proceedings of the IEEE International Conference on Plasma Science (1981).
 100. High Power Heating in the Ion Cyclotron Range of Frequencies in the Wisconsin Tokapole II, A.P. Biddle and J.C. Sprott, Plasma Physics **23**, 679 (1981).
 101. Poloidal Ohmic Heating Experiments in a Multipole, D.J. Holly, S.C. Prager, and J.C. Sprott, Bull. Am. Soc. **26**, 993 (1981).
 102. Levitated Octupole Upgrade Possibilities, D.W. Kerst, and J.C. Sprott, Bull. Am. Phys. Soc. **26** 993 (1981).
 103. High Power ICRH Experiments on the Wisconsin Levitated Octupole, C.M. Fortgang, J.C. Sprott, E.J. Strait, and J.D. Barter, Bull. Am. Phys. Soc. **26**, 918 (1981).
 104. Shear Alfvén Wave Studies in Tokapole II, F.D. Witherspoon, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **26**, 1018 (1981).
 105. ECRH Preionization in Tokapole II, D.A. Shepard, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **26**, 1034 (1981).
 106. Tokamak Startup with Electron-Cyclotron Heating, D.J. Holly, S.C. Prager, D.A. Shepard, and J.C. Sprott, Nuclear Fusion **21**, 1483 (1981).
 107. High Beta Neoclassical Current and Stability Experiments, J.D. Callen, R.N. Dexter, C.M. Fortgang, H.R. Garner, A.G. Kellman, D.W. Kerst, M.W. Phillips, S.C. Prager, J.C. Sprott, E.J. Strait, J.C. Twichell, and M.C. Zarnstorff, Proceedings of the Ninth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Baltimore, MD (IAEA-CN-4115-6) (1982).
 108. Shear Alfvén Resonances in Tokapole II, F.D. Witherspoon, S.C. Prager, and J.C. Sprott, Proceedings of the Third Joint Varenna-Grenoble International Symposium on Heating in Toroidal Plasmas **1**, 197 (1982).
 109. High Power Ion Cyclotron Heating on the Levitated Octupole, R.N. Dexter, C.M. Fortgang, S.C. Prager, J.C. Sprott, E.J. Strait, and J.C. Twichell, Proceedings of the Third Joint Varenna-Grenoble International Symposium on Heating in Toroidal Plasmas **1**, ??? (1982).
 110. High Power Ion Cyclotron Heating on the Wisconsin Levitated Octupole, C.M. Fortgang, R.N. Dexter, J.C. Sprott, E.J. Strait, and J.C. Twichell, Proceedings of the 1982 IEEE International Conference on Plasma Science (1982).
 111. Alfvén Wave Heating Experiments in Tokapole II, F.D. Witherspoon, S.C. Prager, and J.C. Sprott, Proceedings of the 1982 IEEE International Conference on Plasma Science

- (1982).
112. High β Ion Cyclotron Heated Octupole Plasmas, R.N. Dexter, C.M. Fortgang, A.G. Kellman, D.W. Kerst, M.W. Phillips, S.C. Prager, J.C. Sprott, E.J. Strait, J.C. Twichell, and M.C. Zarnstorff, Proceedings of the 1982 International Conference on Plasma Physics, Goetenborg, Sweden (1982).
 113. ECRH and Plasma Gun Tokamak Startup, D.A. Shepard, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **27**, 972 (1982).
 114. Shear Alfvén Resonance Experiments in a Tokamak, F.D. Witherspoon, S.C. Prager, and J.C. Sprott, Bull. Am. Soc. **27**, 1007 (1982).
 115. High-beta RF-Sustained Plasmas in the Wisconsin Levitated Octupole, E.J. Strait, R.N. Dexter, C.M. Fortgang, A.G. Kellman, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **27**, 927 (1982).
 116. ICRH on the Wisconsin Levitated Octupole, C.M. Fortgang, R.N. Dexter, J.C. Sprott, E. J. Strait, and J.C. Twichell, Bull. Am. Phys. Soc. **27**, 927 (1982).
 117. Experimental Results of Gun Refueling of a Tokamak, A.W. Leonard, R.N. Dexter, A.G. Kellman, and J.C. Sprott, Bull. Am. Phys. Soc. **27**, 927 (1982).
 118. Protection of Large Capacitor Banks, J.C. Sprott and T.W. Lovell, Rev. of Sci. Instr. **54**, 896 (1983).
 119. Plasma Heating with Strong Poloidal Ohmic Currents, D.J. Holly, S.C. Prager, and J.C. Sprott, Phys. Fluids **26**, 3435 (1983).
 120. ICRH on the Wisconsin Levitated Octupole, C.M. Fortgang, R.N. Dexter, J.C. Sprott, and E.J. Strait, Proceedings of the Fifth Topical Conference on Radio Frequency Heating, Grenoble, Feb. 21-23 (1983).
 121. Experimental Studies of Shear Alfvén Resonance in a Tokamak, F.D. Witherspoon, D. Kortbawi, S.C. Prager, and J.C. Sprott, Proceedings of the Fifth Topical Conference on Radio Frequency Heating, Feb. 21-23 (1983).
 122. Experiments on Shear Alfvén Resonance in a Tokamak, S.C. Prager, F.D. Witherspoon, C.E. Kieras, D. Kortbawi, J.C. Sprott, and J.A. Tataronis, Proceedings of the Fifth Topical Conference on Radio Frequency Heating, Feb. 21-23 (1983).
 123. Ion Cyclotron Resonance Heating in the Wisconsin Levitated Octupole, C.M. Fortgang, J.C. Sprott, and E.J. Strait, Plasma Physics and Controlled Fusion **26**, 589 (1984).
 124. High Power Alfvén Wave Heating Studies, D. Kortbawi, F.D. Witherspoon, J.C. Sprott, and S.C. Prager, Bull. Am. Phys. Soc. **28**, 1076 (1983).
 125. Properties of Shear Alfvén Resonance on Tokapole II, F.D. Witherspoon, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **28**, 1085 (1983).
 126. Gun Refueling of a Tokamak, A.W. Leonard, A.G. Kellman, and J.C. Sprott, Bull. Am. Phys. Soc. **28**, 1149 (1983).
 127. Analytic Representation for Force-Free Fields in an RFP with Four-Node Poloidal

- Divertor, J.S. Sarff, Leaf Turner, S.C. Prager, and J.C. Sprott, Proceedings of the 1984 Sherwood Theory Meeting, Lake Tahoe (1984).
128. Effects of q and High Beta on Tokamak Stability, N.S. Brickhouse, J.D. Callen, R.N. Dexter, D.E. Graessle, D. Kortbawi, R.A. Moyer, T.H. Osborne, S.C. Prager, J.S. Sarff, J.C. Sprott, E. Uchimoto, C.K. Chu, J. DeLucia, A. Deniz, R.A. Gross, A.A. Grossman, A. Holland, F.N. Levinton, M. Machida, T.C. Marshall, G.A. Navratil, Proceedings of the Tenth International Conference on Plasma and Controlled Nuclear Fusion Research, London, UK, Vol. I, p. 385. (1984).
 129. ICRF and Alfvén Wave Heating Experiments in Macrotor and Tokapole II Tokamaks, R.J. Taylor, J. Evans, L. Keller, K.F. Lai, V. Rosing, T. Cassavant, D. Kortbawi, S.C. Prager, J.C. Sprott, F.D. Witherspoon, and S.Y. Zhu, Proceedings of the Tenth International Conference on Plasma and Controlled Nuclear Fusion Research, London, UK, Vol. I, p. 581. (1984).
 130. Alfvén Wave Heating Studies in Tokapole II Tokamak, D. Kortbawi, F.D.s Witherspoon, S.Y. Zhu, T. Cassavant, J.C. Sprott, and S.C. Prager, Proceedings of the 1984 IEEE International Conference on Plasma Science (1984).
 131. Experimental Observation of the Shear Alfvén Resonance in a Tokamak, F.D. Witherspoon, S.C. Prager, and J.C. Sprott, Phys. Rev. Letters **53**, 1559 (1984).
 132. Experimental Study of Ion Gyroviscosity Effects on Plasma Diamagnetism, M.A. LaPointe, R.N. Dexter, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **29**, 1376 (1984).
 133. The Effects of Steady and Fluctuating Electric Fields on Neoclassical Currents, S.V. Painchaud, S. Assadi, R.N. Dexter, S.C. Prager, J.C. Sprott, and M.C. Zarnstorff, Bull. Am. Phys. Soc. **29**, 1322 (1984).
 134. The Proposed Wisconsin RFP, R.N. Dexter, D.W. Kerst, T.W. Lovell, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **29**, 1332 (1984).
 135. RFP Boundary Condition Studies on Tokapole II, J.S. Sarff, J.C. Sprott, and L. Turner, Bull. Am. Phys. Soc. **29**, 1332 (1984).
 136. Antenna Optimization for Shear Alfvén Wave Resonance Heating, D. Kortbawi, F.D. Witherspoon, S.Y. Zhu, T. Cassavant, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **29**, 1402 (1984).
 137. Gun Refueling of a Tokamak, A.W. Leonard, R.N. Dexter, and J.C. Sprott, Bull. Am. Phys. Soc. **29**, 1337 (1984).
 138. Plasma Wake Field Acceleration: A Proposed Experimental Test, J.B. Rosenzweig, D.B. Cline, R.N. Dexter, D.J. Larson, A.W. Leonard, K.R. Mengelt, J.C. Sprott, F.E. Mills, F.T. Cole, in Laser **Acceleration of Particles**, ed. by C. Joshi and T. Katsoiuleas, AIP Conf. Proc. 130, New York, 226 (1985).
 139. Electron Tubes, J.C. Sprott, in **Encyclopedia of Physics**, Robert M. Besancon, editor, Van Nostrand Reinhold (1985).
 140. Multipole and Tokamak Research at the University of Wisconsin, J.C. Sprott and S.C. Prager, Nuc. Fusion **25**, 1179 (1985).

141. Gun Refueling on Tokapole II, A.W. Leonard, R.N. Dexter, and J.C. Sprott, *Bull. Am. Phys. Soc.* **30**, 1630 (1985).
142. Antenna Optimization for Shear Alfvén Wave Heating, D. Kortbawi, S.Y. Zhu, T. Cassavant, J.C. Sprott, and S.C. Prager, *Bull. Am. Phys. Soc.* **30**, 1593 (1985).
143. Studies of a Poloidal Divertor RFP on Tokapole II, J.S. Sarff and J.C. Sprott, *Bull. Am. Phys. Soc.* **30**, 1401 (1985).
144. The Design of the MST Reversed Field Pinch, Y. Ho, R.N. Dexter, D. W. Kerst, T.W. Lovell, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **30**, 1400 (1985).
145. Experimental Tests of a Large, Noncircular RFP Plasma, S. Assadi, D. Den Hartog, R.N. Dexter, S.C. Prager, J.S. Sarff, and J.C. Sprott, *Bull. Am. Phys. Soc.* **30**, 1401 (1985).
146. Experimental Ion Gyroviscosity Effects on Plasma Diamagnetism, M.A. LaPointe, R.N. Dexter, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **30**, 1551 (1985).
147. The Reversed Field Pinch: Progress and Promise, J.C. Sprott, *Proceedings of the 20th Intersociety Energy Conversion Engineering Conference* **3**, 3.14 (1985).
148. Trapping of a Gun-Injected Plasma by a Tokamak, A.W. Leonard, R.N. Dexter, and J.C. Sprott, *Phys. Rev. Letters* **57**, 333 (1986).
149. Electrical Circuit Modeling of Conductors with Skin Effect, D.W. Kerst, and J.C. Sprott, *Journal of Applied Physics* **60**, 475 (1986).
150. Equilibrium Studies of a Poloidal Divertor Pinch with a Reversed Toroidal Field, J.S. Sarff, J.C. Sprott, and L. Turner, *Phys. Fluids* **30**, 2155 (1987).
151. Large Non-Circular RFP Experiments at Wisconsin, J.C. Sprott, R.N. Dexter, S.C. Prager, A.F. Almagri, S. Assadi, and J.S. Sarff, *Proceedings of the 1986 IEEE International Conference on Plasma Science* (1986).
152. RFP Experiments in the Levitated Octupole Vacuum Vessel, A. Almagri, S. Assadi, R.N. Dexter, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **31**, 1580 (1986).
153. Reversed-Toroidal Field Experiments in a Poloidal-Divertor Configuration, J.S. Sarff, R.N. Dexter, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **31**, 1580 (1986).
154. Magnetic Fluctuation Measurements in a Noncircular RFP, S. Assadi, R.N. Dexter, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **31**, 1580 (1986).
155. Antenna Optimization for Shear Alfvén Wave Heating, D. Kortbawi, R.N. Dexter, M.A. LaPointe, J.C. Sprott, and S.C. Prager, *Bull. Am. Phys. Soc.* **31**, 1421 (1986).
156. Diffusion of Magnetic Fields into Conductors of Non-Uniform Resistivity, J.C. Sprott, *Journal of Applied Physics* **61**, 817 (1987).
157. Effect of Magnetic Curvature and Safety Factor on Magnetic Turbulence, S.C. Prager, Y.Z. Agim, S. Assadi, R.N. Dexter, D.E. Graessle, M.A. LaPointe, and J.C. Sprott, *Proceedings of the Workshop on Turbulence in Confined Plasmas, The University of Texas at Austin* (1987).

158. Trapping of Gun-Injected Plasma by a Tokamak, A.W. Leonard, R.N. Dexter, and J.C. Sprott, *Phys. Fluids* **30**, 2877 (1987).
159. Studies of Large, Non-circular, Reversed Field Pinch Discharges, A. Almagri, S. Assadi, R.N. Dexter, S.C. Prager, J.S. Sarff, and J.C. Sprott, *Nuclear Fusion* **27**, 1795 (1987).
160. Experimental Tests of a Large Noncircular RFP, J.S. Sarff, A.F. Almagri, S. Assadi, R.N. Dexter, S.C. Prager, and J.C. Sprott, *Proceedings of the 1987 IEEE International Conference on Plasma Science* (1987).
161. The Effects of Steady and Fluctuating Electric Fields on Neoclassical Currents, S.V. Painchaud, S. Assadi, R.N. Dexter, S.C. Prager, J.C. Sprott, and M.C. Zarnstorff, *Bull. Am. Phys. Soc.* **29**, 1322 (1984).
162. The Design of the MST Reversed Field Pinch, A. Almagri, S. Assadi, J. Beckstead, G. Chartas, R.N. Dexter, D.J. Den Hartog, Y.L. Ho, D.W. Kerst, T.W. Lovell, S.C. Prager, J.S. Sarff, W. Shen, C. Spragins, and J.C. Sprott, *Bull. Am. Phys. Soc.* **32**, 1830 (1987).
163. Poloidal Divertor RFP Experiments in the Levitated Octupole Vacuum Vessel, J.S. Sarff, A.F. Almagri, S. Assadi, R.N. Dexter, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **32**, 1831 (1987).
164. Studies of the Alfvén Wave Spectrum on Tokapole II, M.A. LaPointe, R.N. Dexter, E. Haines, D. Kortbawi, S.C. Prager, and J.C. Sprott, *Bull. Am. Phys. Soc.* **32**, 1903.
165. Reversed Field Pinch Plasmas with Various Boundary Conditions, A.F. Almagri, S. Assadi, R.N. Dexter, Y.L. Ho, S.C. Prager, J.S. Sarff, D.A. Skinner, and J.C. Sprott, *Proceedings of the International School of Plasma Physics Workshop on the Physics of Mirrors, Reversed Field Pinches and Compact Tori, Varenna, Italy, September (1987)*, p. 261.
166. The Madison Symmetric Torus, R.N. Dexter, S.C. Prager, and J.C. Sprott, *Proceedings of the 1988 IEEE Conference on Plasma Science* (1988).
167. Electrical Circuit Modeling of Reversed Field Pinches, J.C. Sprott, *Phys. Fluids* **31**, 2266 (1988).
168. Magnetic Turbulence and Resistive MHD Instabilities in a $0.6 < q < 3$ Poloidal Divertor Tokamak, Y.Z. Agim, J.D. Callen, Z. Chang, R.N. Dexter, J.A. Goetz, D.E. Graessle, E. Haines, D. Kortbawi, M.A. LaPointe, R.A. Moyer, Z. Ning, S.C. Prager, T.D. Rempel, J.C. Sprott, I. Tan, and E. Uchimoto, *Proceedings of the Twelfth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Nice, France, Vol. 1*, p. 409 (1988).
169. Confinement Dynamics and Boundary Condition Studies in the Reversed Field Pinch, K.F. Schoenberg, J.C. Ingraham, R.W. Moses, Jr., P.G. Weber, L.C. Burkhardt, T.E. Cayton, J.N. Downing, R.F. Ellis, R. Gerwin, G. Miller, C.P. Munson, R.A. Nebel, A.E. Schofield, R. Veerasingam, K.A. Werley, G.A. Wurden, A.F. Almagri, S. Assadi, J.A. Beckstead, G. Chartas, D.J. Den Hartog, R.N. Dexter, Y.L. Ho, D.W. Kerst, T.W. Lovell, D. Kortbawi, E.J. Nilles, S.C. Prager, T.D. Rempel, J.S. Sarff, W. Shen, C.W. Spragins, and J.C. Sprott, *Proceedings of the Twelfth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Nice, France* (1988).

170. Initial Operation of the Madison Symmetric Torus Reversed Field Pinch, A.F. Almagri, S. Assadi, J.A. Beckstead, G. Chartas, D.J. Den Hartog, X. Deng, R.N. Dexter, S.A. Hokin, E. Hotta, D.W. Kerst, D. Kortbawi, J. Laufenberg, T.W. Lovell, E.J. Nilles, S.C. Prager, T.D. Rempel, J.S. Sarff, W. Shen, C.W. Spragins, J.C. Sprott, Proceedings of the Twelfth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Nice, France, Vol. **2**, 757 (1988).
171. High Frequency Magnetic Turbulence Measurements in the Tokapole II Tokamak, M.A. LaPointe, R.N. Dexter, E.J. Haines, S.C. Prager, J.C. Sprott, Bull. Am. Phys. Soc. **33**, 2020 (1988).
172. Poloidal Divertor RFP Experiments in the Levitated Octupole Vacuum Vessel, J.S. Sarff, A.F. Almagri, S. Assadi, D.J. Den Hartog, R.N. Dexter, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **33**, 2066 (1988).
173. Initial Results from the MST Reversed Field Pinch, J.A. Beckstead, A.F. Almagri, S. Assadi, G. Chartas, R.N. Dexter, D.J. Den Hartog, D. Kortbawi, T.W. Lovell, S.C. Prager, T.D. Rempel, J.S. Sarff, W. Shen, C.W. Spragins, and J.C. Sprott, Bull. Am. Phys. Soc. **33**, 2065 (1988).
174. Edge Magnetic Measurements in the MST Reversed Field Pinch, S. Assadi, A.F. Almagri, J.A. Beckstead, R.N. Dexter, S.C. Prager, J.S. Sarff, and J.C. Sprott, Bull. Am. Phys. Soc. **33**, 2065 (1988).
175. Magnetic Field Error Measurement in the MST Reversed Field Pinch, A.F. Almagri, S. Assadi, J.A. Beckstead, R.N. Dexter, S.C. Prager, J.S. Sarff, J.C. Sprott, Bull. Am. Phys. Soc. **33**, 2065 (1988).
176. Design and Initial Operation of the Madison Symmetric Torus, T.W. Lovell, R.N. Dexter, F. Feyzi, D. Kortbawi, S.C. Prager, and J.C. Sprott, Proceedings of the 1989 IEEE International Conference on Plasma Science (1989).
177. Magnetic Field Error Measurements and Effects on Plasma in the MST Reversed Field Pinch, Proceedings of the 1989 IEEE International Conference on Plasma Science (1989).
178. Studies of a Poloidal Divertor Reversed Field Pinch, J.S. Sarff, A.F. Almagri, S. Assadi, D.J. Den Hartog, R.N. Dexter, S.C. Prager, and J.C. Sprott, Nuclear Fusion **29**, 104 (1989).
179. Enhancing Interest in Physics through Computer Demonstrations, J.C. Sprott, Proceedings of the IBM Academic Computing Conference, p. 10 (1989).
180. Measurement of the Parallel Correlation Length of Magnetic Turbulence at Various Edge q , M.A. LaPointe, R.N. Dexter, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **34**, 1923 (1989).
181. Magnetic Field Error Effects on RFP Plasmas in MST, A.F. Almagri, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **34**, 2107 (1989).
182. Edge Magnetic Fluctuation Measurements in the MST Reversed Field Pinch, S. Assadi, J.A. Beckstead, R.N. Dexter, S.C. Prager, J.S. Sarff, W. Shen, and J.C. Sprott, Bull. Am. Phys. Soc. **34**, 3107 (1989).

183. Results from the MST Reversed Field Pinch with the Design Poloidal Field Windings, Proceedings of the 1990 IEEE Conference on Plasma Science (1990).
184. Demonstrating Chaos by Computer, J.C. Sprott, AAPT Announcer **20**, 79 (1990).
185. First Results from the Madison Symmetric Torus Reversed Field Pinch, S.C. Prager, A.F. Almagri, S. Assadi, J.A. Beckstead, R.N. Dexter, D.J. Den Hartog, G. Chartas, S.A. Hokin, T.W. Lovell, T.D. Rempel, J.S. Sarff, W. Shen, C.W. Spragins, and J.C. Sprott, Phys. Fluids B **2**, 1367 (1990).
186. Confinement and Fluctuations in the MST Reversed Field Pinch, J.C. Sprott, A.F. Almagri, S. Assadi, J.A. Beckstead, G. Chartas, R.N. Dexter, D.J. Den Hartog, S.A. Hokin, D.J. Holly, S.C. Prager, T.D. Rempel, J.S. Sarff, E. Scime, W. Shen, C.W. Spragins, and C. Watts, Proceedings of the Thirteenth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Washington, Vol **2**, 519 (1990).
187. Partial and Full Reconnection During Sawtooth Activity and Disruptions, E.D. Fredrickson, K.M. McGuire, Y. Nagayama, M. Bell, A. Cavallo, P. Efthimion, H. Fleischmann, A. Janos, D. Johnson, D. Mansfield, D.A. Monticello, H. Park, W. Park, W. Stodiek, G. Taylor, M. Ulrickson, P.V. Suvrukhin, I. Semenov, R.N. Dexter, J.A. Goetz, E.J. Haines, M.A. LaPointe, S.C. Prager, J.C. Sprott, and I.H. Tan, Proceedings of the Thirteenth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Washington (1990).
188. Parallel Correlation Measurements of the Magnetic Fluctuations, M.A. LaPointe, R.N. Dexter, S.C. Prager, and J.C. Sprott, Bull. Am. Phys. Soc. **35**, 2005 (1990).
189. Modified Polynomial Function Model for Reversed Field Pinches, Bull. Am. Phys. Soc. **35**, 2009 (1990).
190. Reduced Field Errors and Improved MST Plasma, A.F. Almagri, S. Assadi, S.C. Prager, J.C. Sarff, and J.C. Sprott, Bull. Am. Phys. Soc. **35**, 2010 (1990).
191. Search for Evidence of a Low Dimensional Chaotic Attractor in RFP Plasmas, C. Watts and J.C. Sprott, Bull. Am. Phys. Soc. **35**, 2011 (1990).
192. Edge Fluctuations in the MST Reversed Field Pinch, A. Almagri, S. Assadi, J. Beckstead, G. Chartas, N. Crocker, D. Den Hartog, R. Dexter, S. Hokin, D. Holly, E. Nilles, S. Prager, T. Rempel, J. Sarff, E. Scime, C. Spragins, J. Sprott, G. Starr, M. Stoneking, and C. Watts, Proceedings of the Workshop on Physics of Alternative Magnetic Confinement Schemes, Varenna, Italy (1990).
193. Global Confinement in the MST Reversed Field Pinch, A. Almagri, S. Assadi, J. Beckstead, G. Chartas, N. Crocker, M. Cudzinovic, D. Den Hartog, R. Dexter, S. Hokin, D. Holly, E. Klevans, R. Nebel, S. Prager, T. Rempel, J. Sarff, E. Scime, C. Spragins, C. Sprott, G. Starr, M. Stoneking, R. Veerasingam, and C. Watts, Proceedings of the Workshop on Physics of Alternative Magnetic Confinement Schemes, Varenna, Italy (1990).
194. The Madison Symmetric Torus, R.N. Dexter, D.W. Kerst, T.W. Lovell, S.C. Prager, and J.C. Sprott, Fusion Technology **19**, 131 (1991).

195. Modified Polynomial Function Model for Reversed Field Pinches, W. Shen and J.C. Sprott, *Phys. Fluids B* **3**, 1225 (1991).
196. Physics to the People! *The Physics Teacher* **29**, 212 (1991).
197. Edge Fluctuations and Transport in the MST Reversed Field Pinch, J. Sarff, A. Almagri, S. Assadi, J. Beckstead, G. Chartas, N. Crocker, D. Den Hartog, S. Hokin, D. Holly, S. Prager, T. Rempel, E. Scime, W. Shen, C. Spragins, J. Sprott, G. Starr, M. Stoneking, and C. Watts, Proceedings of the 1991 meeting of the European Physical Society.
198. Extraction of Dynamical Equations from Chaotic Data, G. Rowlands and J.C. Sprott, *Physica D* **58**, 251 (1992).
199. Global Confinement and Discrete Dynamo Activity in the MST Reversed-Field Pinch, S. Hokin, A. Almagri, S. Assadi, J. Beckstead, G. Chartas, N. Crocker, M. Cudzinovic, D. Den Hartog, R. Dexter, D. Holly, S. Prager, T. Rempel, J. Sarff, E. Scime, W. Shen, C. Spragins, C. Sprott, G. Starr, M. Stoneking, and C. Watts, *Phys. Fluids B* **3**, 2241 (1991).
200. Studies of Low Dimensional Attractors in Numerical Simulations of RFP Discharges, C. Watts, E.J. Zita, and J.C. Sprott, *Bull. Am. Phys. Soc.* **36**, 2320 (1991).
201. How Common is Chaos? J.C. Sprott, *Phys. Letters A* **173**, 21 (1993).
202. Simple Programs Create 3-D Images, J.C. Sprott, *Computers in Physics* **6**, 132 (1992).
203. Automatic Generation of Strange Attractors, J.C. Sprott, *Computers and Graphics* **17**, 325 (1993).
204. Turbulent Transport in the MST Reversed Field Pinch, T.D. Rempel, A.F. Almagri, S. Assadi, D.J. Den Hartog, S.A. Hokin, S.C. Prager, J.S. Sarff, W. Shen, K.L. Sidikman, C.W. Spragins, J.C. Sprott, M.R. Stoneking, and E.J. Zita, *Phys. Fluids B* **4**, 2136 (1992).
205. Anomalous Ion Heating and Superthermal Electrons in the MST Reversed-Field Pinch, S. Hokin, A. Almagri, S. Assadi, M. Cekic, B. Chapman, G. Chartas, N. Crocker, N. Cudzinovic, D.J. Den Hartog, R. Dexter, G. Fiksel, R. Fonck, J. Henry, D. Holly, S. Prager, T. Rempel, J. Sarff, E. Scime, W. Shen, J. Sprott, M. Stoneking, and C. Watts, Proceedings of the Fourteenth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Wurzburg, Germany, Vol. **2**, p. 539 (1992).
206. Current Density Fluctuations, Nonlinear Coupling, and Transport in MST, S.C. Prager, A.F. Almagri, S. Assadi, M. Cekic, B.E. Chapman, N. Crocker, D.J. Den Hartog, R.N. Dexter, G. Fiksel, R.J. Fonck, J.S. Henry, S.A. Hokin, D.J. Holly, H. Ji, T.D. Rempel, J.S. Sarff, E. Scime, W. Shen, K.L. Sidikman, J.C. Sprott, M.R. Stoneking, and C. Watts, Proceedings of the Fourteenth International Conference on Plasma Physics and Controlled Fusion Research, Wurzburg, Germany, Vol. **2**, p. 531 (1992).
207. Predicting the Dimension of Strange Attractors, J.C. Sprott, *Phys. Lett. A* **192**, 355 (1994).
208. Search for Chaos and Simple Determinism in RFP Plasmas, C. Watts and J.C. Sprott, *Bull. Am. Phys. Soc.* **38**, 1909 (1993).

209. Chaos in RFP Plasma Simulation and Experiment, C. Watts, D.E. Newman, and J.C. Sprott, *Phys. Rev. E* **49**, 2291 (1994).
210. Automatic Generation of Iterated Function Systems, J.C. Sprott, *Computers & Graphics* **19**, 417 (1994).
211. The Computer Artist and Art Critic, in "Fractal Horizons: The Future Use of Fractals," C.A. Pickover, ed. (St. Martin's Press, New York, 1996).
212. Some Simple Chaotic Flows, J.C. Sprott, *Phys. Rev. E* **50**, R647 (1994).
213. Automatic Generation of General Quadratic Map Basins, J.C. Sprott and C.A. Pickover, *Computers & Graphics* **19**, 309 (1995).
214. Fluctuations and Transport in the Reversed Field Pinch: Characterization and Reduction, J.S. Sarff, A.F. Almagri, J.D. Callen, M. Cekic, B.E. Chapman, N. Crocker, J.D. Den Hartog, E. Fernandez, G. Fiksel, R.W. Harvey, C.C. Hegna, J. Henry, Y.L. Ho, S.A. Hokin, D. Holly, H. Ji, C. Litwin, K. Mirus, S.C. Prager, D.D. Schnack, D. Sinitsyn, C.R. Sovinec, J.C. Sprott, M. Stoneking, P.W. Terry, E. Uchimoto, and A.S. Ware, *Proceedings of the Fifteenth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Seville, Vol. 2*, 431 (1995).
215. Quantification of Determinism in Music Using Iterated Function Systems, B. Meloon and J.C. Sprott, *Empirical Studies of the Arts* **15**, 3 (1997). ← Find
216. Control of Chaotic Systems through Small Periodic Parametric Perturbations, K.A. Mirus and J.C. Sprott, *Bull. Am. Phys. Soc.* **39**, 1658 (1994).
217. Quantifying Aesthetic Preference for Chaotic Patterns, D.J. Aks and J.C. Sprott, *Empirical Studies of the Arts* **14**, 1 (1996).
218. Transport Reduction by Current Profile Control in the Reversed Field Pinch, J.S. Sarff, A.F. Almagri, M. Cekic, C-S. Chaing, D. Craig, D.J. Den Hartog, G. Fiksel, S.A. Hokin, R.W. Harvey, H. Ji, C. Litwin, S.C. Prager, D. Sinitsyn, C.R. Sovinec, J.C. Sprott, and E. Uchimoto, *Phys. Plasmas* **2**, 2440 (1995).
219. Strange Attractor Symmetric Icons, J.C. Sprott, *Computers & Graphics* **20**, 325 (1996).
220. Numerical Control of Chaotic Magnetic Fluctuations through Small Periodic Parametric Perturbations, K.A. Mirus and J.C. Sprott, *Bull. Am. Phys. Soc.* **40**, 1819 (1995).
221. On the Probability of Chaos in Large Dynamical Systems: A Monte Carlo Study, W.D. Dechert, J.C. Sprott, and D.J. Albers, *Journal of Economic Dynamics and Control* **23**, 1197 (1999).
222. Limited Predictability in Artificial Forests, D.E. Creanga, J.C. Sprott, and I. Creanga, *Proceedings of the International Society of Fuzzy-sets Management and Economics*, p. 121 (1995).
223. Dynamical Behavior of Artificial Neural Networks with Random Weights, D.J. Albers, J.C. Sprott, and W.D. Dechert, *Intelligent Engineering Systems Through Artificial Neural Networks, Fuzzy Logic and Evolutionary Programming*, C.H. Dagli, *et al.*, ed. (1996).

224. Controlling Mode and Plasma Rotation with a Rotating Field Error, M.A. Thomas, D.J. Den Hartog, A.K. Hansen, C.C. Hegna, T.W. Lovell, K.A. Mirus, S.C. Prager, J.S. Sarff, and J.C. Sprott, *Bull. Am. Phys. Soc.* **41**, 1408 (1996).
225. Nonlinear Effects of a Rotating Magnetic Field Error Perturbation, K.A. Mirus and J.C. Sprott, *Bull. Phys. Soc.* **41**, 1410 (1996).
226. The Wonders of Physics Outreach Program, J.C. Sprott, K.A. Mirus, D.E. Newman, C. Watts, R.E. Feeley, E. Fernandez, P.W. Fontana, T. Krajewski, T.W. Lovell, S. Oliva, M.R. Stoneking, M.A. Thomas, W. Jaimison, K. Maas, R. Milbrandt, K. Mullman, S. Narf, R. Nesnidal, and P. Nonn, *Bull. Am. Phys. Soc.* **41**, 1456 (1996).
227. Simplest Dissipative Chaotic Flow, J.C. Sprott, *Phys. Lett. A* **228**, 271 (1997).
228. Reducing and Measuring Fluctuations in the MST RFP: A Five-fold Enhancement of Energy Confinement and Measurement of the MHD Dynamo, D.J. Den Hartog, A.F. Almagri, M. Cekic, B.E. Chapman, J.T. Chapman, C.S. Chiang, D. Craig, N.C. Crocker, G. Fiksel, P.W. Fontana, A.K. Hansen, C.C. Hegna, H. Ji, N.E. Lanier, K.A. Mirus, S.C. Prager, J.S. Sarff, J.C. Sprott, M.R. Stoneking, and E. Uchimoto, *Proceedings of the Sixteenth International Conference on Plasma Physics and Controlled Nuclear Fusion Research, Montreal, Vol. 2*, p. 83 (1997).
229. Some Simple Chaotic Jerk Functions, J.C. Sprott, *Am. J. Phys.* **65**, 537 (1997).
230. Scientific Visualization in Mathematics and Physics, J.C. Sprott and C.A. Pickover, *ACM Interactions* **4**, 78 (1997).
231. The Future Project: Twenty-Second-Century Wishes, Lies, and Dreams, J.C. Sprott, in "Information Imagineering: Meeting at the Interface," Edited by Milton T. Wolf, Pat Ensor, and Mary Augusta Thomas, American Library Association (Chicago, 1998).
232. Artificial Neural Net Attractors, J.C. Sprott, *Computers & Graphics* **22**, 143 (1998).
233. Smoothing Influence on the Answers of a Simple Grassy Ecosystem to Chaos Detection Tests, D. Creanga, J.C. Sprott, I. Creanga, and I.I. Bara, *Int. J. Chaos Theory and Applications* **1**, 59 (1996).
234. Routes to Chaos in Networks with Random Weights, D.J. Albers, J.C. Sprott, W.D. Dechert, *International Journal of Bifurcation and Chaos*, **8** 1463 (1998).
235. Nonlinearities in Stage I Language Acquisition, R. Chapman, J. Evans, and J.C. Sprott, *American Speech-Language Hearing Association Boston Convention Program*, p. 191 (1997).
236. Resolving Perceptual Ambiguity in the Necker Cube: A Dynamical Systems Approach, D.J. Aks, T. Nokes, J.C. Sprott, and E. Keane, *Proceedings of the 39th Annual meeting of the Psychonomic Society*, p. 38 (1998).
237. Controlling Chaos in Low and High Dimensional Systems with Periodic Parametric Perturbations, K.A. Mirus and J.C. Sprott, *Phys. Rev. E.* **59**, 5313 (1999).
238. Controlling Chaos in a High Dimensional System with Periodic Parametric Perturbations, K.A. Mirus and J.C. Sprott, *Phys. Lett. A* **254**, 275 (1999).

239. Controlling Chaos in High-Dimensional Systems with Periodic Parametric Perturbations, K.A. Mirus and J.C. Sprott, *Bull. Am. Phys. Soc.* **43**, 1857 (1998).
240. Elementary Chaotic Flow, S.J. Linz and J.C. Sprott, *Phys. Rev. Lett. A* **259**, 240 (1999).
241. Confinement in the RFP: Lundquist Number Scaling, Plasma Flow, and Reduced Transport, G. Fiksel, A.F. Almagri, J.K. Anderson, T.M. Biewer, D.L. Brower, C.-S. Chiang, B.E. Chapman, J.T. Chapman, D.J. Craig, N.A. Crocker, D.J. Den Hartog, P.W. Fontana, C.B. Forest, Y. Jiang, A.K. Hansen, D. Holly, N.E. Lanier, K.A. Mirus, S.C. Prager, J.S. Sarff, U. Shah, J.C. Sprott, M.R. Stoneking, and E. Uchimoto, *Proceedings of the Seventeenth International Conference on Plasma Physics and Controlled Nuclear Fusion Research*, Yokohama.
242. A Complexity Analysis Upon the Sensitivity of the Fly Visual System to the Light Intensity, D.E. Creanga, J.C. Sprott, D. Ursu, and R.M. Isac, *Int. J. Chaos Theory and Appl.* **3**, 21 (1998).
243. Strange (and Beautiful) Attractors, J.C. Sprott, *Odyssey* **8**, 35 (November 1999).
244. A New Class of Chaotic Circuit, J.C. Sprott, *Phys. Lett. A.* **226**, 19 (2000).
245. Simple Chaotic Systems and Circuits, J.C. Sprott, *Am. J. Phys.* **68**, 758 (2000).
246. Using Chaos to Characterize and Train Neural Networks, O. Yetkin and J.C. Sprott, (withdrawn).
247. Automatic Generation of Fractal Art, J.C. Sprott, *YLEM Newsletter.* **20**, 9 (Mar/Apr 2000).
248. Memory across Eye-Movements: 1/f Dynamic in Visual Search, D.J. Aks, G. Zelinsky, J.C. Sprott, *Nonlinear Dynamics, Psychology, and Life Sciences.* **6**, 1 (2002).
249. Complex Behavior of Simple Systems, J.C. Sprott, *Unifying Themes in Complex Systems III B*, 3 (2006).
250. Algebraically Simple Chaotic Flows J.C. Sprott and S.J. Linz, *Int. J. Chaos Theory and Appl.* **5**, 3 (2000).
251. Thresholds Bifurcations and Mental Control; An Application of Nonlinear Dynamics to Psychotherapy, K. Warren and J.C. Sprott, *International Conference on Complex Systems* (2000).
252. Can a Computer Produce and Critique Art?, J.C. Sprott, *Leonardo* **34**, 369 (2001).
253. Solar-Wind Magnetosphere Ionosphere System, W. Horton, R. Weigel, and J.C. Sprott, *Bull. Am. Phys. Soc.* **45**, 93 (2000).
254. Chaos and Limits of Predictability for the Solar-Wind Driven Magnetosphere System, W. Horton, R. Weigel and J.C. Sprott, *Physics of Plasmas* **8**, 2946 (2001).
255. Improved Correlation Dimension Calculation, J.C. Sprott and G. Rowlands *International Journal of Bifurcation and Chaos.* **11**, 1865 (2001).

256. Most Elementary Chaotic Flows, S.J. Linz and J.C. Sprott, *Bull. Am. Phys. Soc.* **46**, 172 (2001).
257. The role of Depth and I/F Dynamics in Perceiving Reversible Figures, D.J. Aks and , J.C. Sprott, *Nonlinear Dynamics, Psychology, and Life Sciences.* **7**, 161 (2003).
258. Nonlinear Prediction Filters for Loading-Unloading Dynamics as in Substorms and Sawtooth Events, J.C. Sprott, C. Crabtree, and W. Horton, abstract 3B35 at 2001 Sherwood Theory Meeting, Santa Fe, NM (April, 2001).
259. On the Synchronization of a Class of Electronic Circuits that Exhibits Chaos, E.W. Bai, K.E. Lonngren, and J.C. Sprott, *Chaos, Solitons and Fractals* **13**, 1515 (2002).
260. Memory across Eye-movements: I/F Dynamic in Visual Search, D.J. Aks, G. Zelinsky, and J.C. Sprott, *Journal of Vision*, **1**, 230a (2001).
261. Memory across Eye-movements: I/F Dynamic in Visual Search, D.J. Aks, G. Zelinsky, and J.C. Sprott, 11th Annual conference of the Society for Chaos Theory in Psychology and Life Sciences (2001).
262. Self-Organization of Landscape Patterning, J. Bolliger, J.C. Sprott, and D.J. Mladenoff, 11th Annual conference of the Society for Chaos Theory in Psychology and Life Sciences (2001).
263. Ups and Downs: A Dynamical Systems Model of Human Affective fluctuations, K. Warren and J.C. Sprott, 11th Annual conference of the Society for Chaos Theory in Psychology and Life Sciences (2001).
264. Can a Monkey with a Computer Create Art?, J.C. Sprott, 11th Annual conference of the Society for Theory in Psychology and Life Sciences (2001).
265. Simplest Driven Chaotic Oscillator, H.P.W. Gottlieb and J.C. Sprott, *Physics Letters A*, **291**, 385 (2001).
266. Self-Organized Criticality in Forest-Landscape Evolution, J.C. Sprott, J. Bolliger, and D.J. Mladenoff, *Physics Letters A* **197**, 267(2002).
267. The Spirit is Willing: Nonlinearity, Bifurcations and Mental Control, K. Warren, J.C. Sprott and R.C. Hawkins, *Nonlinear Dynamics, Psychology, and Life Sciences*, **6**, 55 (2002).
268. A case study for Self-Organized Criticality in Forest Ecology, J. Bolliger and J.C. Sprott, *International Conference on Complex Systems* (2002).
269. Predator-Prey Dynamics for Rabbits, Trees and Romance, J.C. Sprott, *Unifying Themes in Complex Systems* **IV**, part II, 231 (2008).
270. Self Organized Criticality and Complexity in Historical Landscape Patterns, J. Bolliger, J.C. Sprott, and D.J. Mladenoff, *0IKOS* **100**, 541 (2003).
271. Comment on "a new class of Exact Solutions of the Vlasov Equation", G. Rowlands and J.C. Sprott, *Phys. Plasmas* **9**, 4093 (2002).

272. The Wonders of Physics, J.C. Sprott and R. Feeley, Bull. Am Phys. Soc. **47**, 150 (2002)
273. Chaos in a Nonlinear Analog Computer, K. Kiers, T. Klein, J. Kolb, S. Price and J.C. Sprott, International Journal of Bifurcation and Chaos **14**, 2867 (2004).
274. Chaos in Fractional-Order Autonomous Nonlinear Systems, W.M Ahmad and J.C. Sprott, Chaos, Solitons, and Fractals **16**, 339 (2003).
275. Chaos and Self-Organization in Spatiotemporal Models of Ecology, J.C. Sprott, Proceedings of the Eighth International Symposium on Simulation Science (2003).
276. A method for Approximating missing data in Spatial Patterns, J.C. Sprott, Computers and Graphics **28**, 113 (2004).
277. Dynamical models of Love, J.C. Sprott, Nonlinear Dynamics, Psychology, and Life Sciences **8**, 303 (2004).
278. The Wonders of Physics, J.C. Sprott, Bull. Am. Phys. Soc. **48**, 86 (2003).
279. Can a Monkey with a Computer Create Art? J.C. Sprott, Nonlinear Dynamics, Psychology, and Life Sciences **8**, 103 (2004).
280. Precision Measurements of a Simple Chaotic Circuit, K. Kiers, D. Schmidt, and J.C. Sprott, American Journal Physics **72**, 503 (2004).
281. Dynamical Models of Happiness, J.C. Sprott, Nonlinear Dynamics, Psychology, and Life Sciences **9**, 23 (2005).
282. Chaos in a Simple Electronic Circuit, K. Kiers, J.C. Sprott, AAPT Announcer **33**, 144 (2003).
283. Features of Chaos in Sysphonia, K.M Rosen and J.C. Sprott, proceedings of the Motor Speech Conference (2004).
284. The Wonders of Physics, J. Reardon and J.C. Sprott, Bulletin American Physical Society **48**, 136 (2003).
285. Competition with Evolution in Ecology and Finance, J.C. Sprott, Physics Letters A **325**, 329 (2004).
286. Persistent Chaos in High Dimensions, D.J. Albers, J.C. Sprott, and J.P. Crutchfield, Phys. Rev. E **74**, 057201 (2006).
287. Structural Stability and Hyperbolicity Violations in High-Dimensional Dynamical Systems, D.J. Albers and J.C. Sprott, Nonlinearity **19**, 1801 (2006).
288. Chaos in Low-Dimensional Lotka-Volterra Models of Competition, J.A. Vano, J.C. Wildenberg, M.B. Anderson, J.K. Noel and J.C. Sprott, Nonlinearity **19**, 2391 (2006).
289. A Comparison of Correlation and Lyapunov Dimensions, K.E. Chlouverakis and J.C. Sprott, Physica D **200**, 156 (2004).

290. Substance Abuse as a Dynamical Disease: Evidence and Clinical Implications of Nonlinearity in a Time Series of Daily Alcohol Consumption, K. Warren, R.C. Hawkings, and J.C. Sprott, *Addictive Behaviors* **28**, 369 (2003).
291. The Wonders of Plasma, J. Reardon and C. Sprott, *Bulletin American Physical Society* **49**, 147 (2004).
292. Routes to Chaos in High-Dimensional Dynamical Systems: A Qualitative Numerical Study, D.J. Albers and J.C. Sprott, *Physica D* **223**, 194 (2006).
293. Coexistence and Chaos in Complex Ecologies, J.C. Sprott, J.A. Vano, J.C. Wildenberg, M.B. Anderson, and J.K. Noel, *Physics Letters A* **335**, 207 (2005).
294. A Simple Spatiotemporal Chaotic Lotka-Volterra Model, J.C. Sprott, J.C. Wildenberg, and Y. Azizi, *Chaos, Solitons, and Fractals* **26**, 1035 (2005).
295. Aesthetics and Fractal Dimension of Electric Sheep, R. Abraham, F. Abraham, S. Draves, C. Sprott, and P. Viotti, 15th Annual Conference of the Society for Chaos Theory in Psychology and Life Sciences (2005).
296. Complex Spatiotemporal Dynamics in Lotka-Volterra Ring Systems, J.C. Wildenberg, J.A. Vano, and J.C. Sprott, *Ecological Complexity* **3**, 140 (2006).
297. Chaotic Hyperjerk Systems, K.E. Chlouverakis and J.C. Sprott, *Chaos, Solitons, and Fractals* **28**, 739 (2005).
298. High-Dimensional Dynamics in the Delayed Henon Map, J.C. Sprott, *Electronic Journal of Theoretical Physics* **3**, 19 (2006).
299. Probability of Local Bifurcation Type from a Fixed Point: A Random Matrix Perspective, D.J. Albers and J.C. Sprott, *Journal of Stat. Phys.* **4**, 889 (2006).
300. Electric Sheep: Evolutionary Aesthetics and Fractal Dimension of Animated Fractal Images, S. Draves, R. Abraham, J.C. Sprott, F.D. Abraham, and P. Viotti, *Proceedings of the 2nd International Nonlinear Science Conference, Heraklion, Greece (2006)*.
301. Predator-Prey Dynamics for Rabbits, Trees, and Romance, J.C. Sprott, in *Proceedings of the Fourth International Conference on Complex Systems (A. A. Minai and Y. Bar-Yam eds.)*, Springer-Verlag: New York (2008).
302. Labyrinth Chaos, J.C. Sprott and K.E. Chlouverakis, *International Journal of Bifurcation and Chaos* **17**, 2097 (2007).
303. The Aesthetics and Fractal Dimension of Electric Sheep, S. Draves, R. Abraham, P. Viotti, F.D. Abraham, and J.C. Sprott, *International Journal of Bifurcation and Chaos* **18**, 1243 (2008).
304. A Simple Chaotic Delay Differential Equation, J.C. Sprott, *Physics Letters A* **366**, 397 (2007).
305. Hyperlabyrinth Chaos: From Chaotic Walks to Spatiotemporal Chaos, K.E. Chlouverakis and J.C. Sprott, *Chaos* **17**, 023110 (2007).
306. A Minimal 2-D Quadratic Map with Quasi-periodic Route to Chaos, E. Zeroulia and J.C. Sprott, *International Journal of Bifurcation and Chaos* **18**, 1567 (2008).

307. A New Simple 2-D Piecewise Linear Map, E. Zeroulia and J.C. Sprott, *Journal of Systems Science and Complexity* **23**, 379 (2010).
308. A Two-Dimensional Discrete Mapping with C^∞ Multifold Chaotic Attractors, E. Zeroulia and J.C. Sprott, *Electronic Journal of Theoretical Physics* **5**, 111 (2008).
309. Maximally Chaotic Simple Attractors, J.C. Sprott, *Chaos* **17**, 033124 (2007).
310. On the Dynamics of a New Simple 2-D Rational Discrete Mapping, E. Zeroulia and J.C. Sprott, *International Journal of Bifurcation and Chaos* **21**, 155 (2011).
311. Biophilic Fractals and the Visual Journey of Organic Screen-savers, R.P. Taylor and J.C. Sprott, *Nonlinear Dynamics in Psychology and Life Sciences* **12**, 117 (2008).
312. Simple Models of Complex Chaotic Systems, J.C. Sprott, *Am. J. Phys.* **76**, 474 (2008).
313. A Search for the Simplest Chaotic Partial Differential Equation, C. Brummitt and J.C. Sprott, (withdrawn).
314. A Unified Piecewise Smooth Chaotic Mapping that Contains the Hénon and the Lozi Systems, E. Zeroulia and J.C. Sprott, *Annual Review of Chaos Theory, Bifurcations and Dynamical Systems* **1**, 50 (2012).
315. Chaotifying 2-D Piecewise Linear Maps via a Piecewise Linear Controller Function, E. Zeroulia and J.C. Sprott, *Nonlinear Oscillations* **13**, 328 (2010).
316. The Unified Chaotic System Describing the Lorenz and Chua Systems, E. Zeroulia and J.C. Sprott, *Facta Universitatis* **23**, 345 (2010).
317. Strange Attractors, J.C. Sprott, *The Online Journal of the Harvard Extension School Environmental Club* **1**, 56 (2008).
318. The Effect of Modulating a Parameter in the Logistic Map, E. Zeroulia and J.C. Sprott, *Chaos* **18**, 023119 (2008).
319. On the Robustness of Chaos in Dynamical Systems: Theories and Applications, E. Zeroulia and J.C. Sprott, *Frontiers of Physics in China* **3**, 195 (2008).
320. Quadratic Maps of the Plane: Tutorial and Review, E. Zeroulia and J.C. Sprott, in "2-D Quadratic Maps and 3-D ODE Systems," World Scientific: Singapore (2010).
321. The Discrete Hyperchaotic Double Scroll, E. Zeroulia and J.C. Sprott, *International Journal of Bifurcation and Chaos* **19**, 1023 (2009).
322. Rigorous Prediction of Quadratic Hyperchaotic Attractors of the Plane, E. Zeroulia and J.C. Sprott, (withdrawn).
323. Some Criteria for Chaos and No Chaos in the Quadratic Map of the Plane, E. Zeroulia and J.C. Sprott, *Facta Universitatis* **22**, 105 (2009).
324. Classification of Three-Dimensional Quadratic Diffeomorphisms with Constant Jacobian, E. Zeroulia and J.C. Sprott, *Frontiers of Physics in China* **4**, 111 (2009).
325. Chaotic Dynamics on Large Networks, J.C. Sprott, *Chaos* **18**, 023135 (2008).

326. A Simple Diffusion Model Showing Anomalous Scaling, G. Rowlands and J.C. Sprott, *Physics of Plasmas* **15**, 082308 (2008).
327. Simplifications of the Lorenz Attractor, J.C. Sprott, *Nonlinear Dynamics, Psychology and Life Sciences* **13**, 271 (2009).
328. Dynamics of a Simplified Lorenz System, K. Sun and J.C. Sprott, *International Journal of Bifurcation and Chaos* **19**, 1357 (2009).
329. Bifurcations of Fractional-Order Diffusionless Lorenz System, K. Sun and J.C. Sprott, *Electronic Journal of Theoretical Physics* **6**, 123 (2009).
330. Generating 3-Scroll Attractors from One Chua Circuit, E. Zeroulia and J.C. Sprott, *International Journal of Bifurcation and Chaos* **20**, 135 (2010).
331. Simple Driven Chaotic Oscillators with Complex Variables, D. Marshall and J.C. Sprott, *Chaos* **19**, 013124 (2009).
332. Periodically Forced Chaotic System with Signum Nonlinearity, K. Sun and J.C. Sprott, *International Journal of Bifurcation and Chaos* **20**, 1499 (2010).
333. Simple Conservative, Autonomous, Second-Order Complex Variable Systems, D. Marshall and J.C. Sprott, *International Journal of Bifurcation and Chaos* **20**, 697 (2010).
334. A Simple Jerk System with Piecewise Exponential Nonlinearity, K.H. Sun and J.C. Sprott, *International Journal of Nonlinear Science and Numerical Simulation* **10**, 1443 (2009).
335. A Search for the Simplest Chaotic Partial Differential Equation, C.D. Brummitt and J.C. Sprott, *Physics Letters A* **373**, 2717 (2009).
336. Neural Network Method for Determining Embedding Dimension of a Time Series, A. Maus and J.C. Sprott, *Communications in Nonlinear Science and Numerical Simulation* **16**, 3294 (2011).
337. Some Explicit Formulas of Lyapunov Exponents for 3D Quadratic Mappings, E. Zeroulia and J.C. Sprott, *Frontiers of Physics in China* **4**, 549 (2009).
338. About the Boundedness of 3D Continuous-time Quadratic Systems, E. Zeroulia and J.C. Sprott, *Nonlinear Oscillations* **13**, 515 (2010).
339. Anti-Newtonian Dynamics, J.C. Sprott, *American Journal of Physics* **77**, 783 (2009).
340. Identification of Dynamic Patterns of Body Sway During Quiet Standing: Is it a Nonlinear Process?, H. Ghomashchi, A. Esteki, J.C. Sprott, and A.M. Nasrabadi, *International Journal of Bifurcation and Chaos* **20**, 1269 (2010).
341. Contact Bifurcations in Two-Dimensional Endomorphisms Related with Homoclinic or Heteroclinic Orbits, M.R. Ferchichi, I. Djellit, and J.C. Sprott, *International Journal of Nonlinear Science* **10**, 484 (2010).
342. Bifurcations and Chaos in Fractional-Order Simplified Lorenz System, K. Sun, X. Wang, and J.C. Sprott, *International Journal of Bifurcation and Chaos* **20**, 1209 (2010).

343. Simple Autonomous Chaotic Circuits, J. Piper and J.C. Sprott, Bulletin of the American Physical Society MAR.Z13.9 (2010).
344. Dynamic Patterns of Postural Fluctuations during Quiet Standing: A Recurrence Quantification Approach, H. Ghomashchi, A. Esteki, A.M. Nashrabadi, J.C. Sprott, and F. BahrPeyma, International Journal of Bifurcation and Chaos **21**, 1163 (2011).
345. Simple Autonomous Chaotic Circuits, J.R. Piper and J.C. Sprott, IEEE Transactions on Circuits and Systems-II Express Briefs **57**, 730 (2010).
346. Robustification of Chaos in 2-D Maps, E. Zeroulia and J.C. Sprott, Advances in Complex Systems **14**, 817 (2011).
347. Simple Predator-Prey Swarming Model, V. Zhdankin and J.C. Sprott, Physical Review E **82**, 056209 (2010).
348. Boundedness of Certain Forms of Jerky Dynamics, E. Zeroulia and J.C. Sprott, Qualitative Theory of Dynamical Systems **11**, 119 (2012).
349. Transformation of 4-D Dynamical Systems to Hyperjerk Form, E. Zeroulia and J.C. Sprott, Palestine Journal of Mathematics **2**, 38 (2013).
350. A Universal Nonlinear Control Law for the Synchronization of Arbitrary 4-D Continuous-Time Quadratic Systems, E. Zeroulia and J.C. Sprott, Electronic Journal of Theoretical Physics **8**, 267 (2011).
351. Boundedness of the Lorenz-Stenflo System, E. Zeroulia and J.C. Sprott, submitted to Applied Mathematics E-Notes.
352. A New Chaotic Jerk Circuit, J.C. Sprott, IEEE Transactions on Circuits and Systems-II Express Briefs **58**, 240 (2011).
353. On Some Universal Dynamics of a 2-D Hénon-like Mapping with an Unknown Bounded Function, E. Zeroulia and J.C. Sprott, submitted to Frontiers of Mathematics in China.
354. Generalization of the Simplest Autonomous Chaotic System, B. Munmuangsaen, B. Srisuchinwong, and J.C. Sprott, Phys. Lett. A **375**, 1445 (2011).
355. Hyperchaos and Hyperchaos Control of the Sinusoidally Forced Simplified Lorenz System, K. Sun, X. Liu, C. Zhu, and J.C. Sprott, Nonlinear Dynamics **69**, 1383 (2012).
356. Some Open Problems in Chaos Theory and Dynamics, E. Zeraoulia and J.C. Sprott, International Journal of Open Problems in Computer Science and Mathematics **4**, 1 (2011).
357. Non-Existence of Shilnikov Chaos in Continuous-Time Systems, E. Zeraoulia and J.C. Sprott, Applied Mathematics and Mechanics **33**, 371 (2012).
358. Is the HIV Therapy System Chaotic?, E. Zeraoulia and J.C. Sprott, (in draft).
359. Chaos in Easter Island Ecology, J.C. Sprott, Nonlinear Dynamics in Psychology and Life Sciences **15**, 445 (2011).
360. A Zoo of Chaotic Attractors in a Map-Based BVP Model, E. Zeraoulia and J.C. Sprott, submitted to Nonlinear Oscillations.

361. On the Continued Transition of Two S-Unimodal Maps and Robust Chaos, E. Zeraoulia and J.C. Sprott, *Facta Universitatis* **24**, 1 (2012).
362. A Proposed Standard for the Publication of New Chaotic Systems, J.C. Sprott, *International Journal of Bifurcation and Chaos* **21**, 2391 (2011).
363. GPU Accelerated Numerical Solutions to Chaotic PDEs, J. R. Seaton and J.C. Sprott, submitted to *Computer Physics Communications*.
364. A Universal Nonlinear Control Law for the Synchronization of Arbitrary 3-D Continuous-Time Quadratic Systems, E. Zeraoulia and J.C. Sprott, *Advances in Systems Science and Applications* **12**, 44 (2012).
365. Chaos in the Planar Two-Body Coulomb Problem with a Uniform Magnetic Field, V. Zhdankin and J.C. Sprott, *Annual Review of Chaos Theory, Bifurcations and Dynamical Systems* **3**, 23 (2013).
366. On Self-Copying of Chaos, E. Zeraoulia and J.C. Sprott, submitted to *Nonlinear Studies*.
367. About Structural Stability of 3-D Quadratic Mappings, E. Zeraoulia and J.C. Sprott, *Nonlinear Studies* **20**, 9 (2013).
368. On the Persistence Property of a Wild-Hyperbolic Lorenz-Type Strange Attractor, E. Zeraoulia and J.C. Sprott, submitted to *International Journal of Bifurcation and Chaos*.
369. Confirmation of Persistent Chaos in High Dimensions, E. Zeraoulia and J.C. Sprott, *Palestine Journal of Mathematics* **3**, 126 (2014).
370. A Rigorous Determination of the Overall Period in the Structure of a Strange Attractor, E. Zeraoulia and J.C. Sprott, *International Journal of Bifurcation and Chaos* **23**, 1350046 (2013).
371. Fractal Basins in the Lorenz Model, I. Djellit, J.C. Sprott, and M.R. Ferchichi, *Chinese Physics Letters* **28**, 060501 (2011).
372. An Interval Estimation of the Upper Bound of the Chaotic Henon and Lozi Mappings, E. Zeraoulia and J.C. Sprott, submitted to *Nonlinear Studies*.
373. An Example of a Fully Bounded Chaotic Sea the Surrounds an Infinite Set of Invariant Tori, E. Zeraoulia and J.C. Sprott, *Palestine Journal of Mathematics* **1**, 71 (2012).
374. Spatiotemporal Chaos in Easter Island Ecology, J.C. Sprott, *Nonlinear Dynamics, Psychology, and Life Sciences* **16**, 387 (2012).
375. On the Non-existence of Horseshoe-type Chaos in 3-D Quadratic Continuous-time Systems, E. Zeraoulia and J.C. Sprott, (in preparation).
376. Synchronization between Integer-order Systems and a Class of Fractional-order Chaotic System based on Sliding Mode Control, D. Chen, R. Zhang, J.C. Sprott, H. Chen, and X. Ma, *Chaos* **22**, 023130 (2012).
377. Hyperbolification of Dynamical Systems: The Case of Continuous-time Systems, E. Zeraoulia and J.C. Sprott, *Journal of Experimental and Theoretical Physics* **115**, 356 (2012).

378. About Universal Basins of Attraction in High-Dimensional Systems, E. Zeraoulia and J.C. Sprott, *International Journal of Bifurcation and Chaos* **23**, 130197 (2013).
379. Fractional Nonrational Inverses in the Lorenz Model, I. Djellit and J.C. Sprott, submitted to *Science China Mathematics*.
380. Is Chaos Good for Learning?, J.C. Sprott, *Nonlinear Dynamics, Psychology and Life Sciences* **17**, 223 (2013).
381. A Proof that S-Unimodal Maps are Collet-Eckmann Maps in a Specific Range of their Bifurcation Parameters, E. Zeraoulia and J.C. Sprott, *Acta Universitatis Apulensis* **34**, 51 (2013).
382. Chaotifying Continuous-time Systems by Symmetry, E. Zeraoulia and J.C. Sprott, in the book "Nonlinear dynamics-Applications in Physical and Social Science" (in press).
383. Is Unifying Chaotic Dynamical Systems Possible?, E. Zeraoulia and J.C. Sprott, *International Journal of Open Problems in Computational Mathematics* **5**, 75 (2012).
384. A General Approach for Hyperchaotifying n-Dimensional Continuous-time Systems, E. Zeraoulia and J.C. Sprott, *Sci Tech Journal of Science and Technology* **1**, 106 (2012).
385. On a Conjecture about Monomial Henon Mappings, E. Zeraoulia and J.C. Sprott, *International Journal of Open Problems in Computers and Mathematics* **6**, 55 (2013).
386. Period-doubling Bifurcation in a Dissipative Map, I. Djellit, J.C. Sprott, A. Hachemi, and T. Loulou, *Journal of Advanced Research in Dynamical and Control Systems* **6**, 1 (2014).
387. Evaluating Lyapunov Exponent Spectra with Neural Networks, A. Maus and J.C. Sprott, *Chaos, Solitons, and Fractals* **51**, 13 (2013).
388. A New Cost Function for Parameter Estimation of Chaotic Systems using Return Maps as Fingerprints, S. Jafari, J.C. Sprott, V. Pham, S.M.R.H. Golpayegani, A.H. Jafari, *International Journal of Bifurcation and Chaos* **24**, 1450134 (2014).
389. Layla and Majnun: A Complex Love Story, S. Jafari, J.C. Sprott, and S.M.R.H. Golpayegani, *Nonlinear Dynamics* **83**, 615 (2016).
390. Application of Takagi-Sugeno Fuzzy Model to a Class of Chaotic Synchronization and Anti-Synchronization, D. Chen, W. Zhao, J.C. Sprott, and X. Ma, *Nonlinear Dynamics* **73**, 1495 (2013).
391. Simplest 3-D Quadratic Continuous Time Systems that are Candidates for Generating n-Scroll Chaotic Attractors, E. Zeraoulia and J.C. Sprott, *International Journal of Bifurcation and Chaos* **23**, 1350120 (2013).
392. Elementary Quadratic Chaotic Flows with no Equilibria, S. Jaffari, J.C. Sprott, and S.M.R.H. Golpayegani, *Physics Letters A* **377**, 699 (2013).
393. A Novel Four-Wing Strange Attractor Born in Bistability, C. Li, I. Pehlivan, J.C. Sprott, and A. Akgul, *IEICE Electronics Express* **12**, 1 (2015).

394. A Chaotic Model of Sustaining Attention Problem in Attention Deficit Disorder, S. Baghdadi, S. Jafari, J.C. Sprott, F. Towhidkhah, and M.R.H. Golpayegani, submitted to *Communications in Nonlinear Science and Numerical Simulation* **20**, 174 (2015).
395. Coexistence of Point, Periodic, and Strange Attractors, J.C. Sprott, X. Wang, and G. Chen, *International Journal of Bifurcation and Chaos* **23**, 1350093 (2013).
396. Amplitude Control Approach for Chaotic Signals, C. Li and J.C. Sprott, *Nonlinear Dynamics* **73**, 1335 (2013).
397. A Gaussian Mixture Model Based Cost Function for Parameter Estimation of Chaotic Biological Signals, Y. Shekofteh, S. Jafari, J.C. Sprott, S.M.R.H. Golpayegani, and F. Almasgnj, *Communications in Nonlinear Science and Numerical Simulation* **20**, 469 (2015).
398. Amplitude-Phase Control of a Novel Chaotic Attractor, C. Li, I. Pehlivan, and J.C. Sprott, *Turkish Journal of Electrical Engineering and Computer Sciences* **24**, 1, (2016).
399. Simple Chaotic Flows with one Stable Equilibrium, M. Molaie, S. Jafari, J.C. Sprott, and S.M.R.H. Golpayegani, *International Journal of Bifurcation and Chaos* **23**, 1350188 (2013).
400. Amplitude Control in Chaotic Systems, C. Li and J.C. Sprott, *Dynamics Days poster* (2013).
401. Projective Synchronization Based on Amplitude Control, C. Li and J.C. Sprott, submitted to 8th International Conference on Physics and Control (PhysCon 2017).
402. Coexistence of Three Basic Attractors: Point, Periodic and Chaotic Attractors, J.C. Sprott, X. Wang, and G. Chen, 6th Chaotic Modeling and Simulation International Conference, Istanbul, Turkey (2013).
403. Extensions in Dynamic Models of Human Happiness; Effect of Memory, S.S. Tabatabaei, M.J. Yazdanpanah, S. Jafari, and J.C. Sprott, *International Journal of Happiness and Developments* **1**, 344 (2014).
404. Broken Symmetry in Modified Lorenz Model, B. Kalini, I. Djellit, and J.C. Sprott, *International Journal of Dynamical Systems and Differential Equations* **5**, 136 (2015).
405. Finding Coexisting Attractors using Amplitude Control, C. Li and J.C. Sprott, *Nonlinear Dynamics* **78**, 2059 (2014).
406. Coexisting Hidden Attractors in a 4-D Simplified Lorenz System, C. Li and J.C. Sprott, *International Journal of Bifurcation and Chaos* **24**, 1450034 (2014).
407. Simplest Chaotic Flows with Involutional Symmetries, J.C. Sprott, *International Journal of Bifurcation and Chaos* **24**, 1450009 (2014).
408. Multistability in a Butterfly Flow, C. Li and J.C. Sprott, *International Journal of Bifurcation and Chaos* **23**, 1350199 (2013).
409. Simple Chaotic Flows with a Line Equilibrium, S. Jafari and J.C. Sprott, *Chaos, Solitons & Fractals* **57**, 79 (2013).

410. A Simple Chaotic Flow with a Continuously Adjustable Attractor Dimension, B. Munmuangsaen, J.C. Sprott W.J. Thio, A. Burscarino, L. Fortuna, *International Journal of Bifurcation and Chaos* **25**, 1530036 (2015).
411. Chaotic Flows with a Single Nonquadratic Term, C. Li and J.C. Sprott, *Physics Letters A* **378**, 178 (2014).
412. Comment on 'How to Obtain Extreme Multistability in Coupled Dynamical Systems, J. . Sprott and C. Li, *Physical Review E* **89**, 066901 (2014).
413. Cost Function Based on Gaussian Mixture Model for Parameter Estimation of a Chaotic Circuit with a Hidden Attractor, S. Lao, Y. Shekofteh, S. Jafari, and J.C. Sprott, *International Journal of Bifurcation and Chaos* **24**, 1450010 (2014).
414. A Chaotic Viewpoint on Noise Reduction from Respiratory Sounds, M. Molaie, S. Jafari, M.H. Moradi, J.C. Sprott, and S.M.R.H. Golpayegani, *Biomedical Signal Processing and Control* **10**, 245 (2014).
415. Crisis in Amplitude Control Hides in Multistability, C. Li, J.C. Sprott, and H. Xing, *International Journal of Bifurcation and Chaos* (in press).
416. Bistability in a Hyperchaotic System with a Line Equilibrium, C. Li, J.C. Sprott, and W. Theo, *Journal of Experimental and Theoretical Physics* **118**, 494 (2014).
417. Multistability in the Lorenz System: A Broken Butterfly, C. Li and J.C. Sprott, *International Journal of Bifurcation and Chaos* **24**, 1450131 (2014).
418. Multistability in the Lorenz System, C. Li and J.C. Sprott, *Dynamics Days, Georgia Tech* (2014).
419. A Rigorous Solution of the Chaotic Lozi Mapping, E. Zeraoulia and J.C. Sprott, submitted to *International Journal of Bifurcation and Chaos*.
420. A Conjecture that Three-Dimensional Quadratic Continuous-Time Systems are not Chaotic, E. Zeraoulia and J.C. Sprott, submitted to *International Journal of Bifurcation and Chaos*.
421. Coexistence of Conservative and Dissipative Behavior in Reversible Dynamical Systems: Time-Reversible Thermostated Nose-Hoover Oscillators, J.C. Sprott, W.G. Hoover, and C.G. Hoover, *Physical Review E* **89**, 042914 (2014).
422. When two Dual Chaotic Systems Shake Hands, J.C. Sprott, X. Wang, and G. Chen, *International Journal of Bifurcation and Chaos* **24**, 1450086 (2014).
423. A Dynamical System with a Strange Attractor and Invariant Tori, J.C. Sprott, *Physics Letters A* **378**, 1361 (2014).
424. Artificial Neural Networks: Powerful Tools for Modeling Chaotic Behavior in the Nervous System, M. Molaie, R. Falahian, S. Gharibzadeh, S. Jafari, and J.C. Sprott, *Frontiers in Computational Neuroscience* **8**, 241-243 (2014).
425. Chaotic Systems and Circuits with Hidden Attractors, S. Jafari, V.T. Pham, and J.C. Sprott, in "New Research Trends in Nonlinear Circuits: Design, Chaotic Phenomena and Applications" (Nova Science Publishers, New York, 2014).

426. Adaptive Complex Modified Hybrid Function Projective Synchronization of Different Dimensional Complex Chaos with Uncertain Complex Parameters, J. Liu, S. Liu, and J.C. Sprott, *Nonlinear Dynamics* **83**, 1109 (2016).
427. A New Piecewise-linear Hyperchaotic Circuit, C. Li, J.C. Sprott, W. Thio, and H. Zhu, *IEEE Transactions on Circuits and Systems—II: Express Briefs* **61**, 977 (2014).
428. A Unique Signum Switch for Chaos and Hyperchaos, C. Li, J.C. Sprott, W. Thio, and H. Zhu, *International Workshop on Chaos – Fractals Theories and Applications, Shandong China (2014) and Seventh International Conference on Physics and Control, Istanbul, Turkey (2015)*.
429. Lessons Learned from Twenty Years of Chaos and Complexity, J.C. Sprott, *Society for Chaos Theory in Psychology & Life Sciences Newsletter* **22**, October 2014-6-9 (2014).
430. A Chaotic System with a Single Unstable Node, J.C. Sprott, S. Jafari, V.T. Pham, and Z.S. Hosseini, *Physics Letters A* **379**, 2030 (2015).
431. New Chaotic Regimes in the Lorenz and Chen Systems, J.C. Sprott, *International Journal of Bifurcation and Chaos* **25**, 1550033 (2015).
432. Linearization of the Lorenz System, C. Li, J.C. Sprott, and W. Thio, *Physics Letters A* **379**, 888 (2015).
433. Symmetric Time-Reversible Flows with a Strange Attractor, J.C. Sprott, *International Journal of Bifurcation and Chaos* **25**, 1550078 (2015).
434. Deterministic Time-Reversible Thermostats: Chaos, Ergodicity and the Zeroth Law of Thermodynamics, P.K. Patra, J.C. Sprott, W.G. Hoover, and C.G. Hoover, *Molecular Physics* **113**, 2863 (2015).
435. Strange Attractors with Various Equilibrium Types, J.C. Sprott, *European Physical Journal Special Topics* **224**, 1409 (2015).
436. Multistability in Symmetric Chaotic Systems, C. Li, W. Hu, J.C. Sprott, and X. Wang, submitted to *European Physical Journal Special Topics* **224**, 1493 (2015).
437. Elementary Quadratic Chaotic Flows with a Single Nonhyperbolic Equilibrium, Z. Wei, J.C. Sprott, and H. Chen, *Physics Letters A* **379**, 2184 (2015).
438. Constructing Chaotic Systems with Total Amplitude Control, C. Li, J.C. Sprott, Z. Yuan, and H. Li, *International Journal of Bifurcation and Chaos* **25**, 1530025 (2015).
439. Recent New Examples of Hidden Attractors, S. Jafari, J.C. Sprott, and F. Nazarimehr, submitted to *European Physical Journal Special Topics* **224**, 1469 (2015).
440. Using Rate of Divergence as an Objective Measure to Differentiate between Voice Signal Types Based on the Amount of Disorder in the Signal, W.M. Calawerts, L. Lin, J.C. Sprott, and J.J. Jiang, *Journal of Voice* **31**, 16 (2017).
441. Ergodic Time-Reversible Chaos for Gibbs' Canonical Oscillator, W.G. Hoover, J.C. Sprott, P.K. Patra, *Physics Letters A* **379**, 2935 (2015).
442. Classifying and Quantifying Basins of Attraction, J.C. Sprott and A. Xiong, *Chaos* **25**, 083101 (2015).

443. A Simple Chaotic Flow with a Plane of Equilibria, S. Jafari, J.C. Sprott, and M. Molaie, *International Journal of Bifurcation and* **26**, 1650098 (2016).
444. Erratum to: "Simple Chaotic Flows with a Line Equilibrium" [*Chaos, Solitons and Fractals* 57 (2013) 79-84], S. Jafari and J.C. Sprott, *Chaos, Solitons & Fractals* **77**, 341 (2015).
445. Ergodicity of a Singly-Thermostated Harmonic Oscillator, W.G. Hoover, J.C. Sprott, and C.G. Hoover, *Communications in Nonlinear Science and Numerical Simulation* **32**, 234 (2016).
446. Limitation of Perpetual Points for Confirming Conservation in Dynamical Systems, S. Jafari, F. Nazarimehr, J.C. Sprott, and S.M.R.H. Golpayegani, *International Journal of Bifurcation and Chaos* **25**, 155012 (2015).
447. Asymmetric Bistability in the Rössler System, J.C. Sprott and C. Li, *Acta Physica Polonica B* **48**, 97 (2017).
448. Nonideal Behavior of Analog Multipliers for Chaos Generation, A. Buscarino, C. Corradino, L. Fortuna, M. Frasca, and J.C. Sprott, *IEEE Transactions on Circuits and Systems II: Express Briefs* **63**, 396 (2016).
449. Nonequilibrium Systems: Hard Disks and Harmonic Oscillators Near and Far From Equilibrium, W.G. Hoover, C.G. Hoover, and J.C. Sprott, *Molecular Simulation* **42**, 1300 (2016).
450. Synchronization of two Rossler Systems with Switching Coupling, A. Buscarino, M. Frasca, M. Branciforte, L. Fortuna, and J.C. Sprott, *Nonlinear Dynamics* **88**, 673 (2017).
451. Using Chaotic Artificial Neural Networks to Model Memory in the Brain, Z. Aram, S. Jafari, J. Ma, J.C. Sprott, S. Zendeirouth, and V.T-. Pham, *Communications in Nonlinear Science and Numerical Simulation* **44**, 449-459 (2017).
452. The Speed of Reaction-diffusion Fronts on Fractals: Testing the Campos-Mendez-Fort Formula, O. Suwannasen, M.A. Allen, and J.C. Sprott, *ScienceAsia* **42**, 33 (2016).
453. NARX Prediction of Some Rare Chaotic Flows: Recurrent Fuzzy Functions Approach, S. Goudarzi, S. Jafari, M.H. Moradi, and J.C. Sprott, *Physics Letters A* **380**, 696 (2016).
454. Simplest Chaotic System with Hyperbolic Sine and its Applications in DCSK Scheme, J. Liu, J.C. Sprott, S. Wang, and Y. Ma, *IET Communications* (in press).
455. The Equivalence of Dissipation from Gibbs' Entropy Production with Phase-Volume Loss in Ergodic Heat-Conducting Oscillators, P.K. Patra, W.G. Hoover, C.G. Hoover, and J.C. Sprott, *International Journal of Bifurcation and Chaos* **26**, 1650089 (2016).
456. Hidden Hyperchaos and Electronic Circuit Application in a 5D Self-exciting Homopolar Disc Dynamo, Z. Wei, I. Moroz, J.C. Sprott, A. Akgul, and W. Zhang, *Chaos* **27**, 033101 (2017).
457. Hypogenetic Chaotic Jerk Flows, C. Li, J.C. Sprott, and H. Xing, *Physics Letters A* **380**, 1172 (2016).

458. Dynamics at Infinity, Degenerate Hopf and Zero-Hopf Bifurcations for Kingni-Jafari System with Hidden Attractors, Z. Wei, Z. Wang, J.C. Sprott, and T. Kapitaniak, *International Journal of Bifurcation and Chaos* **26**, 1650125 (2016).
459. Chaos in a Class of Local Interaction Models, O. Gomes and J.C. Sprott, rejected.
460. Simple Chaotic Flow with Circle and Square Equilibrium, T. Gotthans, J.C. Sprott, and J. Petrzela, *International Journal of Bifurcation and Chaos* **26**, 1650137 (2016).
461. Variable-boostable Chaotic Flows, C. Li and J.C. Sprott, *Optik – International Journal for Light and Electron Optics* **127**, 10389 (2016).
462. Synchronization between Integer-order Chaotic Systems and a Class of Fractional-order Chaotic System Based on Fuzzy Sliding Mode Control, D. Chen, R. Zhang, J.C. Sprott, X. Ma, *Nonlinear Dynamics* **70**, 1549 (2012).
463. Adaptive Runge-Kutta Integration for Stiff Systems: Comparing Nosé and Nosé-Hoover Dynamics for the Harmonic Oscillator, W.G. Hoover, J.C. Sprott, and C.G. Hoover, *American Journal of Physics* **86**, 786 (2016).
464. Sentiment-Driven Limit Cycles and Chaos, O. Gomes and J.C. Sprott, *Journal of Evolutionary Economics* **27**, 729 (2017).
465. Simple Chaotic 3D Flows with Surfaces of Equilibria, S. Jafari, J.C. Sprott, V.-T. Pham, C. Volos, and C. Li, *Nonlinear Dynamics* **86**, 1349 (2016).
466. Simple Chaotic Hyperjerk System, F.Y. Dalkiran and J.C. Sprott, *International Journal of Bifurcation and Chaos* **26**, 17650189 (2016).
467. Infinite Multistability in a Self-reproducing Chaotic System, C. Li, J.C. Sprott, W. Hu, and Y. Xu, *International Journal of Bifurcation and Chaos* **27**, 1750160 (2017).
468. Categorizing Chaotic Flows from the Viewpoint of Fixed Points and Perpetual Points, F. Nazarimehr, S. Jafari, S.M.R.H. Golpayegani, and J.C. Sprott, *International Journal of Bifurcation and Chaos* **27**, 1750023 (2017).
469. Can Lyapunov Exponent Predict the Critical Transitions in Biological Systems?, F. Nazarimehr, S. Jafari, S.M.R.H. Golpayegani, and J.C. Sprott, *Communications in Nonlinear Science and Numerical Simulation* **88**, 1493 (2017).
470. Could Edward Lorenz wake Michael Schumacher up?, S. Jafari, S. Kamali, S. Gharibzadeh, and J.C. Sprott, submitted to *Chronobiology International*.
471. Detecting Hidden Chaotic Regions and Complex Dynamics in a Self-exciting Homopolar Disc Dynamo, Z. Wei, I. Moroz, J.C. Sprott, Z. Wang, and W. Zhang, *International Journal of Bifurcation and Chaos* **27**, 1730008 (2017).
472. Book Review “Modeling Love Dynamics by Sergio Rinaldi, Fabio Della Rossa, Fabio Dercole, Alessandra Gragnani and Pietro Landi,” J.C. Sprott, *Nonlinear Dynamics in Psychology and Life Sciences* **20**, 568 (2016).
473. Hidden Attractors and Chaotic Bursting Oscillations in a Three-dimensional Autonomous System with a Parabolic Equilibrium, S.T. Kingni, J.C. Sprott, V.-T. Pham, and S. Jafari, withdrawn.

474. Simple Chaotic Flows with a Curve of Equilibria, K. Barati, S. Jafari, J.C. Sprott, and V.-T. Pham, *International Journal of Bifurcation and Chaos* **26**, 1630034 (2016).
475. Are Perpetual Points Sufficient for Locating Hidden Attractors?, F. Nazarimehr, B. Saedi, S. Jafari, and J.C. Sprott, *International Journal of Bifurcation and Chaos* **27**, 1750037 (2017).
476. Constructing Chaotic Systems with Conditional Symmetry, C. Li, J.C. Sprott, and H. Xing, *Nonlinear Dynamics* **87**, 1351 (2017).
477. 3D Printing -- The Basins of Tri-Stability in the Lorenz System, A. Xiong, J.C. Sprott, J. Lyu, and X. Wang, *International Journal of Bifurcation and Chaos* **27**, 1750128 (2017).
478. How to Bridge Attractors and Repellers, C. Li and J.C. Sprott, *International Journal of Bifurcation and Chaos* **27**, 1750149 (2017).
479. Linear Synchronization and Circuit Implementation of Chaotic Systems with Complete Amplitude Control, C. Li, W.J. Thio, J.C. Sprott, R. Zhang, and T. Lu, *Chinese Physics B* **26**, 120501 (2017).
480. An Infinite 2-D Lattice of Strange Attractors, C. Li, J.C. Sprott, and Y. Mei, *Nonlinear Dynamics* **89**, 2629-2639 (2017).
481. Towards a Complex System Understanding of Cancer: A Personal Dependent Chaotic Model Based on External Environmental Factors, F. Khatibi, S.M.R.H. Golpayeghani, S. Jafari, R. Malekzadeh, and J.C. Sprott, rejected.
482. Megastability: Coexistence of a Countable Infinity of Nested Attractors in a Periodically-forced Oscillator with Spatially-periodic Damping, J.C. Sprott, S. Jafari, F.J.M. Khalaf, and T. Kapitaniak, *European Physical Journal – Special Topics* **226**, 1979 (2017).
483. A New Chaotic Oscillator with Free Control, C. Li, J.C. Sprott, A. Akgul, H.H.C. lu, and Y. Zhao, *Chaos* **27**, 083101 (2017).
484. A Symmetric Pair of Hyperchaotic Attractors, C. Li, A. Akgul, J.C. Sprott, H.H.C. lu, and W.J. Thio, *International Journal of Circuit Theory and Applications* **46**, 2434 (2018).
485. Categories of Conservative Flows, S. Jafari and J.C. Sprott, *International Journal of Bifurcation and Chaos* **29**, 1950021 (2019).
486. A New Chaotic Model for the Glucose-Insulin Regulatory System, P. Sadeghi, S. Shabestari, S. Panahi, S. Jafari, and J.C. Sprott, *Chaos, Solitons & Fractals* (in press).
487. Constructing Infinitely Many Attractors in a Programmable Chaotic Circuit, C. Li, W.J. Thio, J.C. Sprott, H.H.C. lu, and Y. Xu, *IEEE Access* **6**, 29003 (2018).
488. Applied Chaos Level Test for Validation of Voice Classification Method Performances under Varying Signal Noise Conditions, B. Liu, E. Polce, J.C. Sprott, and J.J. Jiang, *Journal of Speech, Language, and Hearing Research* **61**, 1130 (2018).
489. Infinite Lattice of Hyperchaotic Strange Attractors, C. Li, J.C. Sprott, T. Kapitaniak, and T. Lu, *Chaos, Solitons, and Fractals* **109**, 76-82 (2018).

490. A Chaotic Model of Migraine Headache Considering the Dynamical Transitions of this Cyclic Disease, A. Bayani, S. Jafari, J.C. Sprott, and B. Hatef, *Europhysics Letters* (in press).
491. An Infinite 3-D Quasiperiodic Lattice of Chaotic Attractors, C. Li and J.C. Sprott, *Physics Letters A* **382**, 581 (2018).
492. Harmonic Oscillators with Nonlinear Damping, J.C. Sprott and W.G. Hoover, *International Journal of Bifurcation and Chaos* **27**, 1730037-1-19 (2017).
493. Chaotic Artificial Neural Network Based Modeling of Epilepsy, S. Panahi, Z. Aram, S. Jafari, J. Ma, and J.C. Sprott, submitted.
494. Offset-boosting for Breeding Conditional Symmetry, C. Li, J.C. Sprott, Y. Liu, Z. Gu, and J. Zhang, *International Journal of Bifurcation and Chaos* **28**, 1850163-1-13 (2018).
495. Comment on "A Hidden Chaotic Attractor in the Classical Lorenz System," J.C. Sprott and B. Munmuangsaen, *Chaos, Solitons and Fractals* **113**, 261-262 (2018).
496. Simple Chaotic Systems with Specific Analytical Solutions, Z. Faghani, F. Nazarimehr, S. Jafari, and J.C. Sprott, *International Journal of Bifurcation and Chaos* **29**, 1950116-1-11 (2019).
497. A Simple Chaotic Model for Development of HIV Virus, F. Parastesh, Z. Aram, H. Namazi, J.C. Sprott, and S. Jafari, submitted.
498. Predicting Tipping Points of Dynamical Systems During a Period-doubling Route to Chaos, F. Nazarimehr, S. Jafari, S.M.R.H. Golpayegani, and J.C. Sprott, *Chaos* **28**, 073102-1-10 (2018).
499. Ergodicity of One-dimensional Oscillators with a Signum Thermostat, J.C. Sprott, *Computational Methods in Science and Technology* **24**, 169-176 (2018).
500. Two Simplest Quadratic Chaotic Maps without Equilibrium, S. Panahi, J.C. Sprott, and S. Jafari, *International Journal of Bifurcation and Chaos* **28**, 1850144 (2018).
501. Studying the Performance of Critical Slowing Down Indicators in a Biological System with a Period-doubling Route to Chaos, N.N. Moghadam, F. Nazarimehr, S. Jafari, and J.C. Sprott, *Physica A* (in press).
502. Time-reversible Chaotic System with Conditional Symmetry, C. Li, J.C. Sprott, and Y. Liu, submitted.
503. Process Equation as a Model for the Development of Cells, F. Nazarimehr, S.S. Hosseini, A.J.M. Khalaf, S. Jafari, and J.C. Sprott, submitted.
504. The Nose-Hoover, Dettmann, and Hoover-Holian Oscillators, W.G. Hoover, J.C. Sprott, C.G. Hoover, *Computational Methods in Science and Technology* **25**, 121-124, 2019.
505. A Chaotic Iterative Fuzzy Modeling of Circulating a Simple Sentence, N. Zandi-Mehran, F. Nazarimehr, A.J.M. Kalaf, S. Jafari, and J.C. Sprott, *Scientia Iranica* (in press).
506. A Chaotic Circuit for Producing Gaussian Random Numbers, J.C. Sprott and W.J. Thio, *International Journal of Bifurcation and Chaos* (in press).

507. Variants of the Nose-Hoover Oscillator, J.C. Sprott, European Physical Journal Special Topics (in press).
508. Investigating Chaotic Attractor of the Simplest Chaotic System with a Line of Equilibria, F. Nazarimehr and J.C. Sprott, submitted.
509. Hidden Attractors of Conditional Symmetry, C. Li, J. Sun, J.C. Sprott, and T. Lei, (in press).
510. Globally Attracting Hidden Attractors, J.C. Sprott, in Chaotic Systems with Hidden Attractors (in press).
511. A Novel Neuron Model of the Primary Visual Cortex, J. Liu, J. Lian, J.C. Sprott, Y. Ma, and F. Huang, submitted.
512. Coexisting Infinite Equilibria and Chaos, C. Li, Y. Peng, Z. Tao, J.C. Sprott, and S. Jafari, submitted.
513. A New Category of Three-Dimensional Chaotic Flows with Identical Eigenvalues, Z. Faghani, F. Nazarimehr, S. Jafari, and J.C. Sprott, International Journal of Bifurcation and Chaos, **30**, 2050026 (2020).