

1. John R. Huizenga, Philip F. Greiger, and Frederick T. Wall,  
ELECTROLYTIC PROPERTIES OF AQUEOUS SOLUTIONS OF POLYACRYLIC ACID  
AND SODIUM HYDROXIDE. I. TRANSFERENCE EXPERIMENTS USING  
RADIOACTIVE SODIUM,  
*J. Am. Chem. Soc.* 72, 2636 (1950).
2. John R. Huizenga, Philip F. Greiger, and Frederick T. Wall,  
ELECTROLYTIC PROPERTIES OF AQUEOUS SOLUTIONS OF POLYACRYLIC ACID  
AND SODIUM HYDROXIDE. II. DIFFUSION EXPERIMENTS USING RADIOACTIVE  
SODIUM,  
*J. Am. Chem. Soc.* 72, 4228 (1950).
3. J.R. Huizenga, L.B. Magnusson, O.C. Simpson, and G.H. Winslow,  
NEUTRON BINDING ENERGIES,  
*Phys. Rev.* 79, 908 (1950) (letter).
4. J.R. Huizenga, L.B. Magnusson, P.R. Fields, M.H. Studier, and R.B. Duffield,  
THRESHOLD FOR PHOTONEUTRON REACTION IN  $^{238}\text{U}$ ,  
*Phys. Rev.* 82, 561 (1951) (letter).
5. John R. Huizenga and Lawrence B. Magnusson,  
OXIDATION-REDUCTION REACTIONS OF NEPTUNIUM (IV) AND -(V),  
*J. Am. Chem. Soc.* 73, 3202 (1951).
6. L.B. Magnusson, J.R. Huizenga, P.R. Fields, M.H. Studier, and R.B. Duffield,  
THRESHOLD FOR PHOTONEUTRON REACTION IN  $^{232}\text{Th}$ ,  
*Phys. Rev.* 84, 166 (1951) (letter).
7. J.R. Huizenga, L.B. Magnusson, M.S. Freedman, and F. Wagner, Jr.,  
THE BINDING ENERGY OF FOUR NEUTRONS IN  $^{239}\text{U}$  AND THE DISINTEGRATION  
ENERGIES OF  $^{239}\text{U}$  AND  $^{239}\text{Np}$ ,  
*Phys. Rev.* 84 1264 (1951) (letter).
8. J.C. Brantley and J.R. Huizenga,  
SOLUBILITY OF CERIUM (IV) PYROPHOSPHATE,  
*J. Am. Chem. Soc.* 74, 6101 (1952).
9. Frederick T. Wall, Philip F. Greiger, John R. Huizenga, and Robert H. Doremus,  
ELECTROLYTIC PROPERTIES OF AQUEOUS SOLUTIONS OF POLYACRYLIC ACID  
AND SODIUM HYDROXIDE. III. THE RATE OF SODIUM ION EXCHANGE BETWEEN  
POLYACRYLATE AND FREE SODIUM IONS,  
*J. Chem. Phys.* 20, 1206 (1952).
10. John R. Huizenga and Robert B. Duffield,  
FISSION-TO-CAPTURE CROSS-SECTION RATIO,  
*Phys. Rev.* 88, 959 (1952) (letter).

11. F. Wagner, Jr., M.S. Freedman, D.W. Engelkemeir, and J.R. Huizenga, RADIATIONS OF 6.7-DAY  $^{237}\text{U}$ , *Phys. Rev.* 89, 502 (1953).
12. L.B. Magnusson and J.R. Huizenga, STABILITIES OF +4 AND +5 OXIDATION STATES OF THE ACTINIDE ELEMENTS – THE Np (IV) – Np (V) COUPLE IN PERCHLORIC ACID SOLUTION, *J. Am. Chem. Soc.* 75, 2242 (1953).
13. Robert B. Duffield and John R. Huizenga, PHOTOFISSION AND PHOTONEUTRON EMISSION IN URANIUM, *Phys. Rev.* 89, 1042 (1953).
14. D.W. Engelkemeir, P.R. Fields, and J.R. Huizenga, RADIATIONS OF  $^{243}\text{Pu}$ , *Phys. Rev.* 90, 6 (1953).
15. J.R. Huizenga, W.M. Manning and G.T. Seaborg, SLOW NEUTRON AND SPONTANEOUS FISSION PROPERTIES OF HEAVY NUCLEI, Division IV, Volume 14A, Chapter 20, pp. 839-853, *The Actinide Elements*, Glenn. T. Seaborg and Joseph J. Katz (Editors) National Nuclear Energy Series, (McGraw-Hill Book Co., New York, 1954).
16. M.H. Studier, P.R. Fields, H. Diamond, J.F. Mech, A.M. Friedman, P.A. Sellers, G. Pyle, C.M. Stevens, L.B. Magnusson, and J.R. Huizenga, ELEMENTS 99 AND 100 FROM PILE IRRADIATED PLUTONIUM, *Phys. Rev.* 93, 1428 (1954) (letter).
17. P.R. Fields, M.H. Studier, and J.R. Huizenga, WILL ACTINIDE SERIES BE COMPLETED? *Chem. and Eng. News* 93, 1213 (1954).
18. M.H. Studier, P.R. Fields, P.A. Sellers, A.M. Friedman, C.M. Stevens, J. F. Mech, H. Diamond, J. Sedlet, and J.R. Huizenga, PLUTONIUM-244 FROM PILE IRRADIATED PLUTONIUM, *Phys. Rev.* 93, 1433 (1954) (letter).
19. J.R. Huizenga, SPONTANEOUS FISSION SYSTEMATICS, *Phys. Rev.* 94, 158 (1954).
20. P.R. Fields, M.H. Studier, J.F. Mech, H. Diamond, A.M. Friedman, L.B. Magnusson, and J.R. Huizenga ADDITIONAL PROPERTIES OF ISOTOPES OF ELEMENTS 99 AND 100, *Phys. Rev.* 94, 209 (1954) (letter).

21. C.M. Steven, M.H. Studier, P.R. Fields, J.F. Mech, P.A. Sellers, A.M. Friedman, H. Diamond, and J.R. Huizenga,  
CURIUM ISOTOPES 246 AND 247 FROM PILE IRRADIATED PLUTONIUM,  
*Phys. Rev.* 94, 974 (1954) (letter).
22. H. Diamond, L.B. Magnusson, J.F. Mech, C.M. Stevens, A.M. Friedman, M.H. Studier, P.R. Fields and J.R. Huizenga,  
IDENTIFICATION OF CALIFORNIUM ISOTOPES 249, 250, 251, AND 252 FROM PILE IRRADIATED PLUTONIUM,  
*Phys. Rev.* 94, 1083 (1954) (letter).
23. P.R. Fields, M.H. Studier, L.B. Magnusson, and J.R. Huizenga,  
SPONTANEOUS FISSION PROPERTIES OF ELEMENTS 97, 98, 99, AND 100,  
*Nature* 174, 265 (1954).
24. J.R. Huizenga, J.E. Gindler, and R.B. Duffield,  
RELATIVE PHOTOFISSION YIELDS OF SEVERAL FISSIONABLE MATERIALS,  
*Phys. Rev.* 95, 1009 (1954).
25. A.M. Friedman, A.L. Harkness, P.R. Fields, M.H. Studier, and J.R. Huizenga,  
ALPHA HALF-LIVES OF  $^{244}\text{Cm}$ ,  $^{245}\text{Cm}$ , AND  $^{246}\text{Cm}$ ,  
*Phys. Rev.* 95, 1501 (1954).
26. M.H. Studier, J.R. Huizenga,  
CORRELATION OF SPONTANEOUS FISSION HALF-LIVES,  
*Phys. Rev.* 96, 545 (1954) (letter).
27. J.R. Huizenga and C.M. Stevens,  
NEW LONG-LIVED ISOTOPES OF LEAD,  
*Phys. Rev.* 96, 548 (1954) (letter).
28. L.B. Magnusson, M.H. Studier, P.R. Fields, C.M. Stevens, J.F. Mech, A.M. Friedman, H. Diamond, and J.R. Huizenga,  
BERKELIUM AND CALIFORNIUM ISOTOPES PRODUCED IN NEUTRON IRRADIATION OF PLUTONIUM,  
*Phys. Rev.* 96, 1576 (1954).
29. P.R. Fields, J.E. Gindler, A.L. Harkness, M.H. Studier, J.R. Huizenga, and A.M. Friedman,  
ELECTRON CAPTURE DECAY OF  $^{244}\text{Am}$  AND THE SPONTANEOUS FISSION HALF-LIFE OF  $^{244}\text{Pu}$ ,  
*Phys. Rev.* 100, 172 (1955).

30. A. Ghiorso, S.G. Thompson, G.H. Higgins, G.T. Seaborg, M.H. Studier, P.R. Fields, S.M. Fried, H. Diamond, J.F. Mech, G.L. Pyle, J.R. Huizenga, A. Hirsch, W.M. Manning, C. I. Browne, H.L. Smith, and R.W. Spence,  
NEW ELEMENTS EINSTEINIUM AND FERMIUM, ATOMIC NUMBERS 99 AND 100,  
*Phys. Rev.* 99, 1048 (1955) (letter).
31. J.R. Huizenga,  
THE NUCLEAR FISSION PROCESS,  
*Proc. Int. Conf. On Peaceful Uses of Atomic Energy*, Paper No. 836, 2, 208-213 (1956).
32. W.C. Bentley, H. Diamond, P.R. Fields, A.M. Friedman, J.E. Gindler, D.C. Hess, J.R. Huizenga, M.G. Inghram, A.M. Jaffey, L. Magnusson, W.M. Manning, J.F. Mech, G.L. Pyle, R. Sjoblom, C.M. Stevens, and M.H. Studier,  
THE FORMATION OF HIGHER ISOTOPES AND HIGHER ELEMENTS BY REACTOR IRRADIATION OF  $^{239}\text{Pu}$ . SOME NUCLEAR PROPERTIES OF THE HEAVIER ISOTOPES,  
*Proc. Int. Conf. On Peaceful Uses of Atomic Energy*, Paper No. 809, 7, 261-273 (1956).
33. J.R. Huizenga,  
ISOTOPIC MASSES III.  $A > 201$ ,  
*Physica* XXI, 410 (1955).
34. C. Andre, J. Huizenga, J. Mech, W. Ramler, E. Rauh, and S. Rocklin,  
PROTON CROSS SECTIONS OF  $^{209}\text{Bi}$ ,  
*Phys. Rev.* 101, 645 (1956).
35. J.R. Huizenga and J. Wing,  
LONG LIVED LEAD-205,  
*Phys. Rev.* 102, 926 (1956) (letter).
36. J.R. Huizenga V.E. Krohn, and S. Raboy,  
ANGULAR CORRELATION OF GAMMA RAYS IN  $^{204}\text{Pb}$ ,  
*Phys. Rev.* 102, 1063 (1956).
37. S.M. Fried, G. Pyle, C.M. Stevens, and J.R. Huizenga,  
SPONTANEOUS FISSION HALF-LIFE OF CURIUM-246,  
*J. Inorg. And Nucl. Chem.* 2, 415 (July, 1956) (letter).
38. J.F. Mech, H. Diamond, M.H. Studier, P.R. Fields, A. Hirsch, C.M. Stevens, R.F. Barnes, D.J. Henderson, and J.R. Huizenga,  
ALPHA AND SPONTANEOUS FISSION HALF-LIVES OF PLUTONIUM-242,  
*Phys. Rev.* 103, 340 (1956).
39. R.H. Herber, T.T. Sugihara, C.D. Coryell, W.E. Bennett, and J.R. Huizenga,  
PROBABLE ABSENCE OF K CAPTURE IN THE DECAY OF LEAD-205,  
*Phys. Rev.* 103, 955 (1956).

40. J.E. Gindler, J.R. Huizenga, and R.A. Schmitt,  
PHOTOFISSION AND PHOTONEUTRON EMISSION IN THORIUM AND URANIUM,  
*Phys. Rev.* 104, 425 (1956).
41. J.R. Huizenga and J. Wing,  
RADIOACTIVITY OF  $^{44}\text{Ti}$ ,  
*Phys. Rev.* 106, 90 (1957).
42. J. R. Huizenga, C.L. Rao, and D.W. Engelkemeir,  
27-MINUTE ISOMER OF  $^{235}\text{U}$ ,  
*Phys. Rev.* 107, 319 (1957).
43. J.R. Huizenga and H. Diamond,  
SPONTANEOUS FISSION HALF-LIVES OF  $^{254}\text{Cf}$  AND  $^{250}\text{Cm}$ ,  
*Phys. Rev.* 107, 1087 (1957).
44. G.L. Bate, J.R. Huizenga, and H.A. Potratz,  
THORIUM CONTENT OF STONE METEORITES,  
*Science* 126, 612 (1957).
45. J.R. Huizenga,  
CORRELATION OF THE COMPETITION BETWEEN NEUTRON EMISSION AND  
FISSION,  
*Phys. Rev.* 109, 484 (1958).
46. J.E. Gindler, J.R. Huizenga, and D.W. Engelkemeir,  
NEPTUNIUM ISOTOPES: 234, 235, 236,  
*Phys. Rev.* 109, 1263 (1958).
47. F.A. White, F.M. Rourke, J.C. Sheffield, R.P. Schuman, and J.R. Huizenga,  
ABSOLUTE MEASUREMENT OF ALPHA PARTICLES FROM  $^{210}\text{Po}$ ,  
*Phys. Rev.* 109, 437 (1958).
48. J.R. Huizenga,  
COMPETITION BETWEEN FISSION AND NEUTRON EMISSION IN HEAVY NUCLEI,  
*Proc. Conf. on Reactions between Complex Nuclei*, ORNL-2606 (1958).
49. George L. Bate, Herbert A. Potratz, and J.R. Huizenga,  
THORIUM IN IRON METEORITES: A PRELIMINARY INVESTIGATION,  
*Geochim. Et Cosmochim. Acta* 14, 118 (1958).
50. J. Wing, C.M. Stevens, and J.R. Huizenga,  
RADIOACTIVITY OF LEAD-205,  
*Phys. Rev.* 111, 590 (1958).

51. R. Vandenbosch and J.R. Huizenga,  
NUCLEAR FISSION PROCESS: A STUDY OF THE COMPETITION BETWEEN FISSION  
AND NEUTRON EMISSION AS A FUNCTION OF EXCITATION ENERGY AND  
NUCLEAR TYPE,  
*Proc. Int. Conf. Peaceful Uses of Atomic Energy*, 2<sup>nd</sup> 15, 284 (1958), United Nations, Geneva.
52. D.C. Hess, G.W. Reed, and J.R. Huizenga,  
WHENCE EARTH?,  
*Ind. And Eng. Chem.* 50, 26A (1958).
53. G.J. Nijgh, A.H. Wapstra, L.Th.M. Ornstein, N. Solomons-Grobbe, and J.R. Huizenga,  
CONVERSION COEFFICIENTS OF GAMMA TRANSITIONS IN <sup>203</sup>Tl,  
*Nucl. Phys.* 9, 528 (1958-9).
54. G.L. Bate, J.R. Huizenga, and H.A. Potratz,  
THORIUM IN STONE METEORITES BY NEUTRON ACTIVATION ANALYSIS,  
*Geochim. Et Cosmochim. Acta* 16, 88 (1959).
55. J.E. Gindler, J. Gray, Jr., and J.R. Huizenga,  
NEUTRON FISSION CROSS SECTIONS OF <sup>236</sup>Pu and <sup>237</sup>Pu,  
*Phys. Rev.* 115, 1271(1959).
56. W.J. Ramler, J. Wing, D.J. Henderson, and J.R. Huizenga,  
EXCITATION FUNCTIONS OF BISMUTH AND LEAD,  
*Phys. Rev.* 114, 154 (1959).
57. J. Wing, W. J. Rambler, A.L. Harkness, and J.R. Huizenga,  
EXCITATION FUNCTIONS OF <sup>235</sup>U AND <sup>238</sup>U BOMBARDED WITH HELIUM AND  
DEUTERIUM IONS,  
*Phys. Rev.* 114, 163 (1959).
58. W.D. Ehmann and J.R. Huizenga,  
BISMUTH, THALLIUM, AND MERCURY IN STONE METEORITES BY ACTIVATION  
ANALYSIS,  
*Geochim. et. Cosmochim. Acta* 17, 125 (1959).
59. G.L. Bate, A.H. Potratz, and J.R. Huizenga,  
SCANDIUM, CHROMIUM, AND EUROPIUM IN STONE METEORITES BY  
SIMULTANEOUS NEUTRON ACTIVITY ANALYSIS,  
*Geochim. et. Cosmochim. Acta* 18, 101 (1960).
60. J.R. Huizenga and R. Vandenbosch,  
INTERPRETATION OF ISOMERIC CROSS-SECTION RATIOS FOR (n,  $\gamma$ ) AND ( $\gamma$ , n)  
REACTIONS,  
*Phys. Rev.* 120, 1305 (1960).

61. R. Vandenbosch and J.R. Huizenga,  
ISOMERIC CROSS-SECTION RATIOS FOR REACTIONS PRODUCING THE ISOMERIC  
PAIR  $^{197}\text{Hg}$  AND  $^{197\text{m}}\text{Hg}$ ,  
*Phys. Rev.* 120, 1313 (1960).
62. W.D. Ehmann and J.R. Huizenga,  
A SEARCH FOR LONG- LIVED  $^{50}\text{Ca}$  AND  $^{56}\text{Cr}$ ,  
*Transactions of the Kentucky Academy of Science* 21(No. 1-2), 1 (1960).
63. R. Vandenbosch, J.R. Huizenga, W.F. Miller, and E.M. Keberle,  
MONTE CARLO CALCULATION OF NEUTRON EVAPORATION: EXCITATION  
ENERGY DEPENDENCE OF NUCLEAR LEVEL DENSITY,  
*Nucl. Phys.* 25, 511 (1961).
64. J. Wing, B.A. Swartz, and J.R. Huizenga,  
NEW HAFNIUM ISOTOPE,  $^{182}\text{Hf}$ ,  
*Phys. Rev.* 123, 1354 (1961).
65. R. Vandenbosch, H. Warhanek, and J.R. Huizenga,  
FISSION FRAGMENT ANISOTROPY AND PAIRING EFFECTS ON NUCLEAR  
STRUCTURE,  
*Phys. Rev.* 124, 846 (1961).
66. J.R. Huizenga, R. Vandenbosch, and H. Warhanek,  
REACTION CROSS SECTIONS OF  $^{233}\text{U}$  and  $^{238}\text{U}$  WITH 18-43 MeV HELIUM IONS,  
*Phys. Rev.* 124, 1964 (1961).
67. J.R. Huizenga and G. Igo,  
THEORETICAL REACTION CROSS SECTIONS FOR ALPHA PARTICLES WITH AN  
OPTICAL MODEL,  
*Nucl. Phys.* 29, 462 (1962).
68. J.R. Huizenga, R. Chaudhry, and R. Vandenbosch,  
HELIUM-ION-INDUCED FISSION OF Bi, Pb, Tl, AND Au,  
*Phys. Rev.* 126, 210 (1962).
69. R. Chaudhry, R. Vandenbosch, and J.R. Huizenga,  
FISSION FRAGMENT ANGULAR DISTRIBUTIONS AND SADDLE DEFORMATIONS,  
*Phys. Rev.* 126, 220 (1962).
70. J.R. Huizenga, K.M. Clarke, J.E. Gindler, and R. Vandenbosch,  
PHOTOFISSION CROSS SECTIONS OF SEVERAL NUCLEI WITH MONOENERGETIC  
GAMMA RAYS,  
*Nucl. Phys.* 34, 439 (1962).

71. J.R. Huizenga and R. Vandenbosch,  
PHOTOEXCITATION OF THE ISOMERIC STATES OF  $^{111}\text{Cd}$  AND  $^{115}\text{In}$  WITH  
MONOENERGETIC GAMMA RAYS,  
*Nucl. Phys.* 34, 457 (1962).
72. R. Vandenbosch and J.R. Huizenga,  
KINETIC ENERGY DISTRIBUTIONS OF FRAGMENTS FROM THE FISSION OF Au, Tl,  
Pb, AND Bi,  
*Phys. Rev.* 127, 212 (1962).
73. J. Wing and J.R. Huizenga,  
(p, n) CROSS SECTIONS OF  $^{51}\text{V}$ ,  $^{52}\text{Cr}$ ,  $^{63}\text{Cu}$ ,  $^{65}\text{Cu}$ ,  $^{107}\text{Ag}$ ,  $^{109}\text{Ag}$ ,  $^{114}\text{Cd}$ , AND  $^{139}\text{La}$  FROM 5 TO  
10.5 MeV,  
*Phys. Rev.* 128, 280 (1962).
74. J.R. Huizenga and R. Vandenbosch,  
NUCLEAR FISSION,  
*Nuclear Reactions*, Vol. II, Chapter II, pp. 42-112, P.B. Endt and P.B. Smith, Editors (North-  
Holland Publishing Company, Amsterdam, Netherlands, 1962).
75. George L. Bate and J.R. Huizenga,  
ABUNDANCES OF RUTHENIUM, OSMIUM AND URANIUM IN SOME COSMIC AND  
TERRESTRIAL SOURCES,  
*Geochim. Et. Cosmochim. Acta* 27, 345 (1963).
76. George L. Bate, R. Chaudhry, and J.R. Huizenga,  
FISSION FRAGMENT ANGULAR DISTRIBUTIONS AND CROSS SECTIONS FOR  
DEUTERON-INDUCED FISSION,  
*Phys. Rev.* 131, 722 (1963).
77. G.L. Bate and J.R. Huizenga,  
FISSION AND REACTION CROSS SECTIONS IN THE URANIUM REGION WITH 4- TO  
12-MeV PROTONS,  
*Phys. Rev.* 133, B1417-B1476 (April 1964).
78. J.P. Unik and J.R. Huizenga,  
BINARY FISSION STUDIES OF THE HELIUM-ION INDUCED FISSION OF  $^{209}\text{Bi}$ ,  $^{226}\text{Ra}$ ,  
AND  $^{238}\text{U}$ ,  
*Phys. Rev.* 134, B90-B99 (April 1964).
79. J.P. Unik, D.J. Henderson, and J.R. Huizenga,  
RADIOACTIVE SPECIES PRODUCED BY COSMIC RAYS IN THE BOGOU IRON  
METEORITE,  
*Geochim. Et Cosmochim. Acta* 28, 593 (May 1964).

80. C.T. Bishop, J.R. Huizenga, and J.P. Hummel,  
ISOMER RATIOS FROM ( $\alpha$ , xn) REACTIONS ON SILVER,  
*Phys. Rev.* 135, B401-B411 (July 1964).
81. H.K. Vonach, A.A. Katsanos, and J.R. Huizenga,  
CROSS SECTION FLUCTUATIONS IN THE  $^{55}\text{Mn}$  (p,  $\alpha$ )  $^{52}\text{Cr}$  REACTION,  
*Phys. Rev. Lett.* 13, 88 (July 1964).
82. K.F. Flynn, L.E. Glendenin, and J.R. Huizenga,  
ANISOTROPY OF SELECTED FISSION FRAGMENTS FOR HELIUM-ION-INDUCED  
FISSION OF  $^{206}\text{Pb}$  AND  $^{209}\text{Bi}$ ,  
*Nucl. Phys.* 58, 321 (September 1964).
83. B.D. Wilkins, J.P. Unik, and J.R. Huizenga,  
STUDIES OF NUCLEAR STATES AT THE FISSION SADDLE-POINT BY INELASTIC  
ALPHA PARTICLE SCATTERING,  
*Phys. Lett.* 12, 243 (October 1964).
84. H.K. Vonach, R. Vandenbosch, and J.R. Huizenga,  
INTERPRETATION OF ISOMER RATIOS IN NUCLEAR REACTIONS WITH FERMI-GAS  
AND SUPERCONDUCTOR MODELS,  
*Nucl. Phys.* 60, 70 (1964).
85. C.T. Bishop, H.K. Vonach, and J.R. Huizenga,  
ISOMER RATIOS FOR SOME (n,  $\gamma$ ) REACTIONS,  
*Nucl. Phys.* 60, 241 (1964).
86. J.E. Gindler, G.L. Bate, and J.R. Huizenga,  
FISSION FRAGMENT ANGULAR DISTRIBUTIONS IN CHARGED-PARTICLE-  
INDUCED FISSION OF  $^{226}\text{Ra}$ ,  
*Phys. Rev.* 136, B1333-B1344 (December 1964).
87. J.R. Huizenga,  
STRUCTURE OF THE TRANSITION STATE NUCLEUS IN NUCLEAR FISSION,  
*Nuclear Structure and Electromagnetic Interactions*, N. MacDonald, ed., Oliver and Boyd,  
London, pp. 319-374 (1964).
88. H.K. Vonach and J.R. Huizenga,  
DETERMINATION OF NUCLEAR LEVEL DENSITIES AT AN EXCITATION ENERGY  
OF 20 MeV,  
*Phys. Rev.* 138, B1372-B1377 (June 1965).
89. J.R. Huizenga, J.P. Unik, and B.D. Wilkins,  
ON THE ROLE OF THE TRANSITION STATE IN NUCLEAR FISSION,  
*Proc. IAEA Symp. Physics and Chemistry of Fission, Salzburg, Austria*, Vol. I, pp.11-22 (1965).

90. R. Vandenbosch, J.P. Unik and J.R. Huizenga,  
FISSION-FRAGMENT ANGULAR, ENERGY, AND MASS DIVISION CORRELATIONS  
FOR THE  $^{234}\text{U}$  (d, pf) REACTION,  
*Proc. Of IAEA Symp. On Physics and Chemistry of Fission, Salzburg, Austria, Volume I*, PP.  
547-560 (1965).
91. A. A. Katsanos, J.R. Huizenga,, and H.K. Vonach,  
NUCLEAR ENERGY LEVELS OF  $^{56}\text{Fe}$  AND  $^{59}\text{Co}$ ,  
*Phys. Rev.* 141, 1053 (1966).
92. R.F. Reising, G.L. Bate, and J.R. Huizenga,  
DEFORMATION OF THE TRANSITION STATE NUCLEUS IN ENERGETIC FISSION,  
*Phys. Rev.* 141, 1161 (1966).
93. Curtis R. Keedy, Larry Haskin, James Wing and J.R. Huizenga,  
ISOMER RATIOS FOR THE  $^{41}\text{K}(\alpha, n)$   $^{44, 44\text{M}}\text{Sc}$ , AND  $^{55}\text{Mn}(\alpha, n)^{58, 58\text{M}}\text{Co}$  REACTIONS,  
*Nucl. Phys.* 82, 1 (1966).
94. H.K. Vonach and J.R. Huizenga,  
THE  $\text{Co}^{59}(\text{p}, \alpha)$   $^{56}\text{Fe}$  AND  $^{56}\text{Fe}(\text{p}, \text{p}^1)$  REACTIONS,  
*Phys. Rev.* 149, 844, (1966).
95. G. Friedlander, J.O. Rasmussen, J.R. Huizenga, T.T. Sugihara, and A. Turkevich,  
*Nuclear Chemistry, A Current Review*, National Academy of Sciences - National Research  
Council Publication, 1292C, Washington, D.C. (1966).
96. J.R. Huizenga,  
THE TRANSITION STATE IN NUCLEAR FISSION,  
*Proc. Int. Nucl. Phys. Conf. Held at Gatlinburg, Tenn.*, Academic Press (1967), pp. 721-736.
97. A.A. Katsanos and J.R. Huizenga,  
NUCLEAR ENERGY LEVELS OF  $^{52}\text{Cr}$ ,  $^{55}\text{Mn}$  AND  $^{66}\text{Zn}$ ,  
*Phys. Rev.* 159, 931 (1967).
98. J.R. Huizenga, and A. A. Katsanos,  
DISTRIBUTION OF SPACINGS OF NUCLEAR ENERGY LEVELS OF MIXED SPIN AND  
PARITY,  
*Nucl. Phys. A.* 98, 614 (1967).
99. W. Loveland, J.R. Huizenga, A. Behkami, and J.H. Roberts,  
IDENTIFICATION OF THE SINGLE-PARTICLE STATES IN THE FISSION TRANSITION  
NUCLEUS  $^{235}\text{U}$ ,  
*Phys. Lett.* 24B, 666 (1967).

100. R. Vandenbosch, K.L. Wolf, J. Unik, C. Stephan, and J.R. Huizenga,  
DEPENDENCE OF FISSION FRAGMENT ANGULAR DISTRIBUTIONS ON TARGET  
DEFORMATION AND SPIN,  
*Phys. Rev. Lett.* 19, 1138 (1967).
101. Th. W. Elze, T. von Egidy, and J.R. Huizenga,  
(<sup>3</sup>He,α) REACTIONS ON ACTINIDE ELEMENTS,  
*Phys. Lett.* 27B, 78 (1968).
102. A.N. Behkami, J.H. Roberts, W. Loveland, and , J.R. Huizenga,  
STRUCTURE OF THE FISSION TRANSITION NUCLEUS <sup>235</sup>U,  
*Phys. Rev.* 171, 1267 (1968).
103. J.R. Huizenga, A.N. Behkami, J.W. Meadows, Jr., and E.D. Klema,  
FRAGMENT ANGULAR DISTRIBUTIONS FOR MONO-ENERGETIC NEUTRON-  
INDUCED FISSION OF <sup>239</sup>Pu,  
*Proc. Conf. On Neutron Cross Sections and Technology at Washington, D.C.*, Vol. 1, p.603  
(1968).
104. A.N. Behkami, J.R. Huizenga, and J.H. Roberts,  
ANGULAR DISTRIBUTIONS AND CROSS SECTIONS OF FRAGMENTS FROM  
NEUTRON-INDUCED FISSION OF <sup>232</sup>Th,  
*Nucl. Phys. A* 118, 65 (1968).
105. J. E. Gindler and J.R. Huizenga,  
NUCLEAR FISSION,  
In *Treatise on Nuclear Chemistry*, Academic Press, New York and London,  
Vol. II, pp. 1-184, (1968).
106. J.R. Huizenga, A.N. Behkami, J.W. Meadows, and E.D. Klema,  
NUCLEAR PAIRING ENERGY OF TRANSITION NUCLEUS <sup>240</sup>Pu,  
*Phys. Rev.* 174, 1539 (1968).
107. H.K. Vonach, A.A. Katsanos, and J.R. Huizenga,  
DETERMINATION OF THE LEVEL WIDTH AND DENSITY OF <sup>32</sup>S BETWEEN 17 AND  
21 MeV EXCITATION ENERGY,  
*Nucl. Phys. A* 122, 465 (1968).
108. J.R. Huizenga, A.N. Behkami, and L.G. Moretto,  
NOTE ON INTERPRETATION OF FISSION-FRAGMENT ANGULAR DISTRIBUTIONS  
AT MODERATE EXCITATION ENERGIES,  
*Phys. Rev.* 177, 1826 (1969).
109. L.G. Moretto, R.C. Gatti, S.G. Thompson, J.R. Huizenga, and J.O. Rasmussen,  
PAIRING EFFECTS AT THE FISSION SADDLE POINT OF <sup>210</sup>Po AND <sup>211</sup>Po,  
*Phys. Rev.* 178, 1845 (1969).

110. Th. W. Elze, T. v. Egidy, and J.R. Huizenga,  
A STUDY OF THE  $^{232}\text{Th} (^3\text{He}, \alpha) ^{231}\text{Th}$  REACTION,  
*Nucl. Phys. A* 128, 564 (1969).
111. Th. W. Elze and J.R. Huizenga,  
A STUDY OF THE  $^{236}\text{U} (^3\text{He}, \alpha) ^{235}\text{U}$  REACTION,  
*Nucl. Phys. A* 133, 10 (1969).
112. J.R. Huizenga, H.K. Vonach, A.A. Katsanos, A.J. Gorski, and C.J. Stephan,  
LEVEL DENSITIES FROM EXCITATION FUNCTIONS OF ISOLATED LEVELS,  
*Phys. Rev.* 182, 1149 (1969).
113. J.R. Huizenga, A.N. Behkami, and J.H. Roberts,  
CHANNEL ANALYSIS OF NEUTRON-INDUCED FISSION OF  $^{236}\text{U}$ ,  
*Proc. Second Symposium on Physics and Chemistry of Fission, IAEA, Vienna*, 403 (1969).
114. Th. W. Elze and J.R. Huizenga,  
LEVELS OF  $^{237}\text{Np}$  EXCITED BY THE  $^{236}\text{U} (^3\text{He}, d) ^{237}\text{Np}$  AND  $^{236}\text{U} (\alpha, t) ^{237}\text{Np}$   
REACTIONS,  
*Phys. Rev.* 1C 328 (1970).
115. K. Otozai, J.W. Meadows, A.N. Behkami, and J.R. Huizenga,  
FRAGMENT ANGULAR DISTRIBUTIONS FROM NEUTRON-INDUCED FISSION OF  
 $^{242}\text{Pu}$ ,  
*Nucl. Phys. A* 144, 502 (1970).
116. T. von Egidy, Th. W. Elze and J.R. Huizenga,  
NUCLEAR LEVELS OF  $^{237}\text{U}$  EXCITED BY THE  $(^3\text{He}, \alpha)$  REACTION,  
*Nucl. Phys. A* 145, 306 (1970).
117. J.R. Huizenga,  
NUCLEAR FISSION REVISITED,  
*Science* 168, 1405 (June 19, 1970).
118. Th. W. Elze and J.R. Huizenga,  
ENERGY LEVELS OF  $^{243}\text{Am}$  EXCITED BY THE  $^{242}\text{Pu} (^3\text{He}, d)$  and  $^{242}\text{Pu}(\alpha, t)$  REACTIONS,  
*Nucl. Phys. A* 149, 585 (1970).
119. J.S. Boyno, T.W. Elze, and J.R. Huizenga,  
A STUDY OF THE  $^{232}\text{Th} (d, t) ^{231}\text{Th}$  AND  $^{238}\text{U} (d, t) ^{237}\text{U}$  REACTIONS,  
*Phys. Rev. A* 157, 263 (1970).
120. Th. W. Elze and J.R. Huizenga,  
A STUDY OF THE  $^{242}\text{Pu} (d, t) ^{241}\text{Pu}$  AND  $^{242}\text{Pu} (^3\text{He}, \alpha) ^{241}\text{Pu}$  REACTIONS,  
*Phys. Rev. C* 3, 234 (1971).

121. C.C. Lu, J.R. Huizenga, C. J. Stephan, and A.J. Gorski,  
EFFECTS OF ISOSPIN ON STATISTICAL NUCLEAR DECAY,  
*Nucl. Phys. A* 164, 225 (1971).
122. G. Yuen, G.T. Rizzo, A.N. Behkami and J.R. Huizenga,  
FRAGMENT ANGULAR DISTRIBUTIONS OF NEUTRON-INDUCED FISSION OF  $^{230}\text{Th}$ ,  
*Nucl. Phys. A* 171, 614 (1971).
123. L.C. Vaz, C.C. Lu, and J.R. Huizenga,  
ISOSPIN AND THE BOHR INDEPENDENCE HYPOTHESIS,  
*Phys. Rev. C* 5, 463 (1972).
124. J.R. Huizenga,  
EXPERIMENTAL AND THEORETICAL NUCLEAR LEVEL DENSITIES,  
In *Statistical Properties of Nuclei*, J.B. Garg, ed., Plenum Press (New York), p.425.
125. J.R. Huizenga,  
NEAR BARRIER FISSION INDUCED WITH PHOTONS,  
*Nucl. Technology* 13, 20 (1972).
126. F.C. Williams, Jr., G. Chan, and J.R. Huizenga,  
THE SIGNIFICANCE OF SHELL CORRECTIONS IN THE PARAMETERIZATION OF  
NUMERICAL STATE DENSITY CALCULATIONS,  
*Nucl. Phys. A* 187, 225 (1972).
127. Th. W. Elze, J.S. Boyno, and J.R. Huizenga,  
COLLECTIVE STATES OF Gd ISOTOPES FROM (p,t) REACTIONS,  
*Nucl. Phys. A* 187, 473 (1972).
128. Th. W. Elze and J.R. Huizenga,  
COLLECTIVE STATES OF  $^{232}\text{Th}$ ,  $^{238}\text{U}$  and  $^{242}\text{Pu}$ ,  
*Nucl. Phys. A* 187, 545 (1972).
129. C.C. Lu, L.C. Vaz, and J.R. Huizenga,  
LEVEL DENSITIES FROM SPECTRA OF DIFFERENT REACTIONS POPULATING THE  
SAME NUCLEUS,  
*Nucl. Phys. A* 190, 229 (1972).
130. J.S. Boyno and J.R. Huizenga,  
LEVELS OF  $^{155, 157, 159, 161}\text{Tb}$  EXCITED IN HELIUM-INDUCED SINGLE-PROTON-  
TRANSFER REACTIONS,  
*Phys. Rev. C* 6, 144 (1972).
131. L.C. Vaz, C.C. Lu, and J.R. Huizenga,  
LEVEL DENSITIES FROM ANALYSIS OF PARTICLE SPECTRA,  
*Phys. Rev. C* 6, 1896 (1972).

132. C.C. Lu, L.C. Vaz, and J.R. Huizenga,  
SPIN DISTRIBUTION OF THE NUCLEAR LEVEL DENSITY NEAR A=60,  
*Nucl. Phys. A* 197, 321 (1972).
133. J.R. Huizenga and L.G. Moretto,  
NUCLEAR LEVEL DENSITIES,  
*Ann. Rev. Nucl. Sci.* 22, 427 (1972).
134. J.R. Huizenga and H.C. Britt,  
THRESHOLD PHOTOFISSION: THEORY AND EXPERIMENT,  
*Proc. Int. Conf. On Photonuclear Reactions and Applications V2*, 833 (1973).
135. J.S. Boyno, J.R. Huizenga, Th. W. Elze, and C.E. Bemis, Jr.,  
LEVELS OF  $^{234}\text{U}$  AND  $^{236}\text{U}$  EXCITED BY THE (d,d') REACTION,  
*Nucl. Phys. A* 209, 125 (1973).
136. W.K. Hensley, W. A. Bassett, and J.R. Huizenga,  
PRESSURE DEPENDENCE OF THE RADIOACTIVE DECAY CONSTANT OF  
BERYLLIUM-7,  
*Science* 181, 1164 (1973).
137. M. Kildir and J.R. Huizenga,  
ISOSPIN DEPENDENCE OF THE NUCLEAR LEVEL WIDTH,  
*Phys. Rev. C* 8, 1965 (1973).
138. R. Vandenbosch and J.R. Huizenga,  
*Nuclear Fission* (book), Academic Press, New York (1973).
139. A.N. Behkami and J.R. Huizenga,  
COMPARISON OF EXPERIMENTAL LEVEL DENSITIES AND SPIN CUTOFF FACTORS  
WITH MICROSCOPIC THEORY FOR NUCLEI NEAR A=60,  
*Nucl. Phys. A* 217 78 (1973).
140. H. Freiesleben, H.C. Britt, and J.R. Huizenga,  
ENERGY DEPENDENCE OF  $\Gamma_f/\Gamma_n$  FOR THE NUCLEUS  $^{216}\text{Rn}$ ,  
*Proc. Third Int. Symposium on Physics and Chemistry of Fission* 1, 447 (1974), IAEA, Vienna.
141. H.C. Britt and J.R. Huizenga,  
REEVALUATION OF EXPERIMENTAL ESTIMATES OF THE PAIRING GAP AT THE  
FISSION SADDLE POINT,  
*Phys. Rev. C* 9 435 (1974).
142. C. Kalbach-Cline, J.R. Huizenga, and H.K. Vonach,  
ISOSPIN CONSERVATION AND PREEQUILIBRIUM DECAY IN (p, p<sup>1</sup>) REACTIONS ON  
NEUTRON RICH TIN ISOTOPES,  
*Nucl. Phys. A* 222, 405 (1974).

143. J.R. Huizenga, A.N. Behkami, J.S. Sventek, and R.W. Atcher,  
COMPARISON OF NEUTRON RESONANCE SPACINGS WITH MICROSCOPIC THEORY  
FOR SPHERICAL NUCLEI,  
*Nucl. Phys. A* 223, 577 (1974).
144. J.R. Huizenga, A.N. Behkami, R.W. Atcher, J.S. Sventek, H.C. Britt, and H. Freiesleben,  
COMPARISON OF NEUTRON RESONANCE SPACINGS WITH MICROSCOPIC THEORY  
FOR NUCLEI WITH STATIC DEFORMATION,  
*Nucl. Phys. A* 223, 589 (1974).
145. H. Freiesleben and J.R. Huizenga,  
TOTAL REACTION CROSS SECTIONS OF DEFORMED NUCLEI: A STUDY OF THE  
 $^{233,238}\text{U}+\alpha$  SYSTEMS,  
*Nucl. Phys. A* 224, 503 (1974).
146. H. Freiesleben, H.C. Britt, J. Birkelund, and J.R. Huizenga,  
 $^6\text{Li}$ ,  $^7\text{Li}$  INDUCED REACTIONS ON  $^{209}\text{Bi}$ ,  
*Phys. Rev.* 10C, 245 (1974).
147. K.L. Wolf, J.P. Unik, J.R. Huizenga, J. Birkelund, H. Freiesleben, and V.E. Viola,  
A STUDY OF STRONGLY DAMPED COLLISIONS IN THE REACTION OF 600-MeV  $^{84}\text{Kr}$   
ON A  $^{209}\text{Bi}$  TARGET,  
*Phys. Rev. Lett.* 33, 1105, (1974).
148. T. von Egidy, Th. W. Elze, and J.R. Huizenga,  
NUCLEAR LEVELS OF  $^{239}\text{Np}$  EXCITED BY THE ( $^3\text{He}$ , d) AND ( $\alpha$ , t) REACTIONS,  
*Phys. Rev. C* 11, 529 (1975).
149. Th. W. Elze and J.R. Huizenga,  
LEVELS OF  $^{233}\text{Pa}$  EXCITED IN HELIUM-INDUCED SINGLE-PROTON TRANSFER  
REACTIONS,  
*Z. Physik* A272, 119 (1975).
150. J.P. Bondorf, J.R. Huizenga, M.I. Sobel, and D. Sperber,  
A CLASSICAL MODEL FOR STRONGLY DAMPED COLLISIONS IN HEAVY ION  
REACTIONS,  
*Phys. Rev. C* 11, 1265 (1975).
151. J.R. Huizenga,  
SELECTED ASPECTS OF VERY HEAVY ION REACTIONS,  
*Nukleonika* 20, 291-344 (1975).

152. R.C. Thompson, J.S. Boyno, J.R. Huizenga, D.G. Burke, and Th. W. Elze,  
A STUDY OF THE  $^{188}\text{Os}$  (p,t)  $^{186}\text{Os}$ ,  $^{190}\text{Os}$  (p,t)  $^{188}\text{Os}$  AND  $^{192}\text{Os}$  (p,t)  $^{190}\text{Os}$  REACTIONS,  
*Nucl. Phys. A* 242, 1 (1975).
153. H. Freiesleben, G.T. Rizzo, and J.R. Huizenga,  
 $^6\text{Li}$  AND  $^7\text{Li}$  INDUCED FISSION OF  $^{232}\text{Th}$  AND  $^{238}\text{U}$ ,  
*Phys. Rev. C* 12, 42 (1975).
154. R.C Thompson, J.R. Huizenga, and Th. W. Elze,  
COLLECTIVE STATES IN  $^{230}\text{Th}$ ,  $^{240}\text{Pu}$ ,  $^{244}\text{Pu}$  AND  $^{248}\text{Cm}$  EXCITED BY INELASTIC  
DEUTERON SCATTERING,  
*Phys. Rev. C* 12, 1227 (1975).
155. J.R. Birkelund, J.R. Huizenga, H. Freiesleben, K.L. Wolf, J.P. Unik, and V.E. Viola,  
THE ELASTIC SCATTERING OF  $^{40}\text{Ar}$  AND  $^{84}\text{Kr}$  ON  $^{209}\text{Bi}$  AND  $^{238}\text{U}$ ,  
*Phys. Rev. C* 13, 133 (1976).
156. R.C Thompson, J.R. Huizenga, and Th. W. Elze,  
COLLECTIVE STATES IN  $^{233}\text{U}$ ,  $^{235}\text{U}$ ,  $^{237}\text{Np}$ , AND  $^{239}\text{Pu}$  EXCITED BY INELASTIC  
DEUTERON SCATERING,  
*Phys. Rev. C* 13, 638 (1976).
157. W.U. Schröder, J.R. Birkelund, J.R. Huizenga, K.L. Wolf, J.P Unik, and V.E. Viola,  
STUDY OF THE  $^{209}\text{Bi} + ^{136}\text{Xe}$  REACTION,  
*Phys. Rev. Lett.* 36, 514 (1976).
158. J.R. Huizenga,  
NUCLEAR REACTIONS REVISITED WITH VERY HEAVY IONS,  
*Accounts of Chemical Research* 9, 325 (1976).
159. J.R. Huizenga, J.R. Birkelund, and M.W. Johnson,  
ELASTIC SCATTERING OF VERY HEAVY IONS,  
*Proc. Symposium on Macroscopic Features of Heavy-Ion Collisions, Argonne National  
Laboratory*,  
Report ANL/PHY-76-2, I, 1-32 (1976).
160. J.R. Birkelund, W.U. Schröder J.R. Huizenga,, K.L Wolf, J.P. Unik and V.E Viola,  
FRAGMENT CHARGE DISTRIBUTIONS FROM THE  $^{209}\text{Bi}$  AND  $^{136}\text{Xe}$  REACTION AT  
1130 MEV,  
*Proc. Symposium on Macroscopic Features of Heavy-Ion Collisions, Argonne National  
Laboratory*, Report ANL/PHY-76-2, II, 451-462 (1976).
161. J.R. Huizenga, J.R. Birkelund, W.U. Schröder, K.L. Wolf, and V.E. Viola,  
ENERGY DISSIPATION AND NUCLEON TRANSFER IN HEAVY ION REACTIONS,  
*Phys. Rev. Lett.* 37, 885 (1976).

162. J.R. Huizenga,  
A NEW REACTION PROCESS: STRONGLY DAMPED OR DEEP INELASTIC COLLISIONS,  
*Comments on Nucl. And Particle Phys.* 7, 17 (1977).
163. J.R. Huizenga,  
NUCLEAR FISSION,  
*McGraw-Hill Encyclopedia of Science and Technology*, Vol. 5, 303 (1977).
164. R.C. Thompson, W.W. Wilcke, J.R. Huizenga,, W.K. Hensley, and D.G. Perry,  
LEVELS OF ISOTOPES  $^{233, 235, 237}\text{Pa}$  AND  $^{229, 231}\text{Ac}$  STUDIED BY THE (t,  $\alpha$ ) REACTION,  
*Phys. Rev. C* 15, 2019 (1977).
165. M.W. Johnson, W.U. Schröder, J.R. Huizenga, W.K. Hensley D.G. Perry, and J.C. Browne,  
MEASUREMENT OF TOTAL MUON-CAPTURE RATES IN  $^{232}\text{Th}$ ,  $^{235, 238}\text{U}$ , AND  $^{239}\text{Pu}$ ,  
*Phys. Rev. C* 15, 2169 (1977).
166. W.U. Schröder, J.R. Birkelund, J.R. Huizenga, K.L. Wolf, and V.E. Viola, Jr.,  
INTERACTION TIMES FOR DAMPED HEAVY-ION COLLISIONS,  
*Phys. Rev. C* 16, 623 (1977).
167. W.W. Wilcke, W. Feix, Th. W. Elze, J.R. Huizenga, R.C. Thompson, and R.M Dreizler,  
INFLUENCE OF FORM FACTORS AND MULTISTEP EFFECTS ON THE  $^{232}\text{Th}(d, t) ^{231}\text{Th}$  REACTION,  
*Nucl. Phys. A* 286, 297 (1977).
168. W. Feix, W.W. Wilcke, Th. W. Elze, H. Rebel, J.R. Huizenga, R.C. Thompson, and R.M. Dreizler,  
STUDY OF THE NUCLEAR-COULOMB INTERFERENCE EFFECTS IN INELASTIC DEUTERON SCATTERING ON  $^{238}\text{U}$ ,  
*Phys. Lett.* 69B, 407 (1977).
169. J.R. Huizenga, W.U. Schröder, J.R. Birkelund, and W.W. Wilcke,  
ENERGY DISSIPATION, MASS DIFFUSION AND INTERACTION TIMES FOR HEAVY-ION COLLISIONS,  
*Proc. Meeting on Heavy-Ion Collisions, Fall Creek Falls State Park, Pikeville, Tenn.*, CONF-770602, P.179 (1977).
170. W.U. Schröder, J.R. Huizenga, J.R. Birkelund, K.L. Wolf, and V.E. Viola,  
DISSIPATION, MASS EXCHANGE, AND THE MICROSCOPIC TIME SCALE OF HEAVY-ION COLLISIONS,  
*Phys. Lett.* 71B, 283 (1977).

171. J.R. Birkelund and J.R. Huizenga,  
INTERNUCLEAR POTENTIALS FROM HEAVY-ION FUSION EXCITATION  
FUNCTIONS,  
*Proc. Symposium on Heavy-Ion Elastic Scattering, University of Rochester, October 25-26, 1977.*
172. W.U. Schröder and J.R. Huizenga,  
DAMPED HEAVY-ION COLLISIONS,  
*Ann. Rev. Nucl. Sci.* 27, 465-547 (1977).
173. J.R. Birkelund and J.R. Huizenga,  
THE DETERMINATION OF INTERNUCLEAR POTENTIALS FROM HEAVY-ION  
FUSION EXCITATION FUNCTIONS,  
*Phys. Rev. C* 17, 126 (1978).
174. W.U. Schröder, J.R. Huizenga, J.R. Birkelund, and W.W. Wilcke,  
THE MECHANISMS OF ENERGY DISSIPATION AND NUCLEON EXCHANGE IN  
DAMPED REACTIONS INDUCED BY VERY HEAVY IONS,  
*Proc. Workshop on Gross Properties of Nuclei and Nuclear Excitations VI, Hirschegg, Austria,*  
p. 85, January (1978).
175. J.R. Huizenga,  
NUCLEAR PROPERTIES OF EINSTEINIUM AND FERMIUM,  
*Proc. Symposium Commemorating the 25<sup>th</sup> Anniversary of the Discovery of Elements 99 and 100, Lawrence Berkeley Laboratory, Jan. 23, 1978, LBL-7701, pp. 17-26.*
176. M.W. Johnson, R.C. Thompson, and J.R. Huizenga,  
STATES IN  $^{233}\text{U}$  EXCITED BY THE  $^{234}\text{U}$  (d,t) AND  $^{234}\text{U}$  (3He,  $\alpha$ ) REACTIONS,  
*Phys. Rev. C* 17, 927 (1978).
177. J.R. Huizenga,  
NUCLEAR REACTIONS,  
*McGraw-Hill Yearbook of Science and Technology*, p. 276 (1978).
178. J.R. Birkelund, J.R. Huizenga, J. N De, and D. Sperber,  
HEAVY-ION FUSION BASED ON THE PROXIMITY POTENTIAL AND ONE-BODY  
FRICTION,  
*Phys. Rev. Lett.* 40, 1123 (1978).
179. R.D. Griffioen, R.C. Thompson, and J.R. Huizenga,  
LEVEL OF  $^{235}\text{Np}$  EXCITED BY THE  $^{234}\text{U}$ (3He, d) AND  $^{234}\text{U}$ ( $\alpha$ , t) REACTIONS,  
*Phys. Rev. C* 18, 671 (1978).

180. W.U. Schröder, J.R. Birkelund, J.R. Huizenga, K.L. Wolf, and V.E. Viola, Jr.,  
MECHANISMS OF VERY HEAVY ION COLLISIONS; THE  $^{209}\text{Bi} + ^{136}\text{Xe}$  REACTION AT  
 $E_{\text{LAB}} = 1130$  MEV,  
*Phys. Reports* 45, No. 5, 301 (1978).
181. W.W. Wilcke, M.W. Johnson, W.U. Schröder, J.R. Huizenga, and D.G. Perry,  
NEUTRON EMISSION FROM ACTINIDE MUONIC ATOMS,  
*Phys. Rev. C* 18, 1452 (1978).
182. S.L. Tabor, D.A. Goldberg, and J.R. Huizenga,  
RELEVANCE OF THE PROXIMITY POTENTIAL TO LIGHT ION-SCATTERING,  
*Phys. Rev. Lett.* 41, 1285 (1978).
183. J.N. De, A. Sherman, D. Sperber, J.R. Birkelund, and J.R. Huizenga,  
FUSIONS-EXCITATION FUNCTIONS AS A TEST OF THE RADIAL DEPENDENCE OF  
THE PROXIMITY POTENTIAL,  
*S. Afr. J. Phys.* 1, No. 3/4, 239 (1978).
184. J.R. Huizenga, J.R. Birkelund, L.E. Tubbs, J. N. De, and D. Sperber,  
ROLE OF CONSERVATIVE POTENTIAL AND DISSIPATION IN HEAVY-ION FUSION,  
*Proc. Int. Workshop on Gross Properties of Nuclei and Nuclear Excitations VII, Hirschegg,  
Austria*, p. 45, January (1979) [INKA-Conf-79-001-017].
185. D. Hilscher, W.W. Wilcke, W.U. Schröder, A.D. Hoover, J.R. Birkelund, J.R. Huizenga, A.  
Mignerey, K.L. Wolf, H. Breuer, and V.E. Viola,  
NEUTRON EMISSION FROM STRONGLY DAMPED REACTION  $^{165}\text{Ho} + ^{56}\text{Fe}$  AT 8.5  
MeV/u,  
*Proc. Int. Workshop on Gross Properties of Nuclei, and Nuclear Excitations VII, Hirschegg,  
Austria*, p. 94, January (1979) [INKA-Conf-79-001-017].
186. H. Breuer, B.G. Glagola, V.E. Viola, K.L. Wolf, A.C. Mignerey, J.R. Birkelund, D. Hilscher,  
A.D. Hoover, J.R. Huizenga, W.U. Schröder, and W.W. Wilcke,  
NUCLEON EXCHANGE AND A/Z EQUILIBRIUM IN INTERACTIONS OF 8.3 MeV/u  $^{56}\text{Fe}$   
IONS WITH  $^{56}\text{Fe}$ ,  $^{165}\text{Ho}$  AND  $^{209}\text{Bi}$ ,  
*Phys. Rev. Lett.* 43, 191 (1979).
187. D. Hilscher, J.R. Birkelund, A.D. Hoover, W.U. Schröder, W.W. Wilcke, J.R. Huizenga, A.  
Mignerey, K.L. Wolf, H.F. Breuer, and V.E. Viola,  
STRUCTURE IN THE ENERGY SPECTRA OF THE FRAGMENTS PRODUCED IN  
DAMPED HEAVY- ION REACTIONS,  
*Phys. Rev. C* 20, 556, (1979).
188. D. Hilscher, J.R. Birkelund, A.D. Hoover, W. U. Schröder, W.W. Wilcke, J.R. Huizenga, A.  
Mignerey, K.L. Wolf, H. Breuer, and V.E. Viola, Jr.,  
NEUTRON EMISSION FROM THE  $^{165}\text{Ho} + ^{56}\text{Fe}$  REACTION AT 8.5 MeV/u,

- Phys. Rev. C* 20, 576 (1979).
189. J.R. Huizenga, J.R. Birkelund, L.E. Tubbs, J. N. De, and D. Sperber,  
FUSION REACTIONS AT HIGH ENERGIES,  
*Proc. Symposium on Heavy Ion Physics from 10 to 200 MeV/amu, Brookhaven National  
Laboratory, Report BNL-51115, Vol. 1, pp. 235-271 (1979).*
190. W.U. Schröder, W.W. Wilcke, M.W. Johnson, D. Hilscher, J.R. Huizenga, J.C. Browne, and  
D.G. Perry, EVIDENCE FOR ATOMIC MUON CAPTURE BY FRAGMENTS FROM  
PROMPT FISSION OF MUONIC  $^{237}\text{Np}$ ,  $^{239}\text{Pu}$  AND  $^{242}\text{Pu}$ ,  
*Phys. Rev. Lett.* 43, 672 (1979).
191. J.R. Birkelund, L.E. Tubbs, J.R. Huizenga, J. M. De, and D. Sperber,  
HEAVY-ION FUSION: COMPARISON OF EXPERIMENTAL DATA WITH CLASSICAL  
TRAJECTORY MODELS,  
*Phys. Reports* 56, No.3, 107 (1979).
192. J.R. Huizenga,  
HEAVY-ION REACTIONS: A NEW FRONTIER OF NUCLEAR SCIENCE,  
*Proc. Symposium on Deep-Inelastic and Fusion Reactions with Heavy Ions, Berlin. Lecture  
notes in Physics* 117, 1-24 (1979), Springer-Verlag, W. von Oertzen, ed.
193. D. Hilscher, J.R. Birkelund, A.D. Hoover, W.U. Schröder, W.W. Wilcke, J.R. Huizenga, A.C.  
Mignerey, K.L. Wolf, H.F. Breuer, and V.E. Viola,  
NEUTRON EMISSION IN HEAVY ION REACTIONS,  
*Proc. Symposium on Deep-Inelastic and Fusion Reactions with Heavy Ions, Berlin. Lecture  
Notes in Physics* 117, 100-112 (1979), Springer-Verlag, W. von Oertzen, ed.
194. J.R. Birkelund, L.E. Tubbs, J.R. Huizenga, J.N. De, and D. Sperber,  
HEAVY-ION FUSION: A CLASSICAL TRAJECTORY MODEL,  
*Proc. Symposium on Deep-Inelastic and Fusion Reactions with Heavy Ions, Berlin.  
Lecture Notes in Physics* 117, 294-311 (1979), Springer-Verlag, W. von Oertzen, ed.
195. W.U. Schröder, J.R. Birkelund, J.R. Huizenga, W.W. Wilcke, and J. Randrup,  
THE EFFECT OF PAULI BLOCKING ON EXCHANGE AND DISSIPATION  
MECHANISMS OPERATING IN HEAVY ION REACTIONS,  
*Phys. Rev. Lett.* 44, 308 (1980).
196. J.R. Huizenga,  
EXPERIMENTAL SUMMARY OF THE INTERNATIONAL SYMPOSIUM ON  
CONTINUUM SPECTRA OF HEAVY ION REACTIONS,  
Nuclear Science Research Conf. Series, Harwod Academic Publishers, Vol. 2, 405-443 (1980),  
T. Tamura, J.B. Natowitz, and D.H. Youngblood, eds.

197. W.U. Schröder, J.R. Birkelund, J.R. Huizenga, W.W. Wilcke, and J. Randrup,  
MANIFESTATION OF THE QUANTUM-STATISTICAL NATURE OF EXCHANGE AND  
DISSIPATION MECHANISMS OPERATING IN DAMPED NUCLEAR REACTIONS,  
*Proc. Int. Workshop on Gross Properties of Nuclei and Nuclear Excitations VIII, Hirschegg,  
Austria, January 14-19, 1980*, p. 92.
198. W.W. Wilcke, M.W. Johnson, W.U. Schröder, D. Hilscher, J.R. Birkelund, J.R. Huizenga, J.C.  
Browne, and D.G. Perry,  
ACTINIDE MUONIC ATOM LIFETIMES DEDUCED FROM MUON-INDUCED FISSION,  
*Phys. Rev. C* 21, 2019 (1980).
199. R.W. Atcher, A.M. Friedman, J.R. Huizenga, G.V.S. Rayudu, E.A. Silverstein, and D.A. Turner,  
MANGANESE-52m, A NEW SHORT-LIVED, GENERATOR-PRODUCED RADIO-  
NUCLIDE: A POTENTIAL GENERATOR FOR POSITRON TOMOGRAPHY,  
*Journal Nucl. Medicine* 21, 565 (1980).
200. R.W. Atcher, A.M. Friedman, and J.R. Huizenga,  
PRODUCTION OF  $^{52}\text{Fe}$  FOR USE IN A RADIONUCLIDE GENERATOR SYSTEM,  
*Int. Journal Nucl. Medicine and Biology* 7 75 (1980).
201. V.E. Viola, A.C. Mignerey, H. Breuer, K.L. Wolf, B.G. Glagola, W.W. Wilcke, W.U. Schröder,  
J.R. Huizenga, D. Hilscher, and J.R. Birkelund,  
POSSIBLE PRODUCTION OF ACTINIDE SPONTANEOUS FISSION ACTIVITIES IN  
DAMPED COLLISIONS OF  $^{209}\text{Bi} + ^{56}\text{Fe}$ .  
*Phys. Rev. C* 22, 122 (1980).
202. W.W. Wilcke, J.R. Birkelund, A.D. Hoover, J.R. Huizenga, W.U. Schröder, V.E. Viola, K.L.  
Wolf, and A.C. Mignerey,  
BOMBARDING ENERGY DEPENDENCE OF THE  $^{209}\text{Bi} + ^{136}\text{Xe}$  REACTION,  
*Phys. Rev. C* 22, 128 (1980).
203. A.C. Mignerey, V.E. Viola, H. Breuer, K.L. Wolf, B.G. Glagola, J.R. Birkelund, D. Hilscher,  
J.R. Huizenga, W.U. Schröder, and W.W. Wilcke,  
DEPENDENCE OF ISOBARIC CHARGE DISTRIBUTIONS ON ENERGY LOSS AND  
MASS ASYMMETRY IN DAMPED COLLISIONS,  
*Phys. Rev. Lett.* 45, 509 (1980).
204. H. Breuer, K.L. Wolf, B.G. Glagola, K.K. Kwiatkowski, A.C. Mignerey, V.E. Viola, W.W.  
Wilcke, W.U. Schröder, J.R. Huizenga, D. Hilscher, and J.R. Birkelund,  
PRODUCTION OF NEUTRON-EXCESS NUCLEI IN  $^{56}\text{Fe}$ -INDUCED REACTIONS,  
*Phys. Rev. C* 22, 2454 (1980).
205. W.W. Wilcke, J.R. Birkelund, H.J. Wollersheim, A.D. Hoover, J.R. Huizenga, W.U. Schröder,  
and L.E. Tubbs,  
REACTION PARAMETERS FOR HEAVY-ION COLLISIONS,

- Atomic Data and Nuclear Data Tables* 25, 389-619 (1980).
206. W.U. Schröder, J.R. Huizenga, and J. Randrup,  
CORRELATED MASS AND CHARGE TRANSPORT INDUCED BY STATISTICAL  
NUCLEON EXCHANGE IN DAMPED NUCLEAR REACTIONS,  
*Phys. Lett.* 98B, 355 (1981).
207. W.U. Schröder, and J.R. Huizenga,  
DISSIPATIVE REACTION DYNAMICS OF HEAVY-ION COLLISIONS,  
*Comments on Nucl. And Particle Phys.* 10, 19 (1981).
208. W.W. Wilcke, J.R. Birkelund, J.P. Kosky, H.J. Wollersheim, A.D. Hoover, J.R. Huizenga, W.U.  
Schröder, L.E. Tubbs, and D. Hilscher,  
A TWO DIMENSIONAL POSITION SENSITIVE  $\Delta E$ -E COUNTER FOR ENERGETIC  
LIGHT CHARGED PARTICLES,  
*Nucl. Instr. And Methods* 188, 293 (1981).
209. J.R. Huizenga, J.R. Birkelund, W.U. Schröder, W.W. Wilcke, and H.J. Wollersheim,  
HEAVY-ION FUSION REVISITED,  
*Dynamics of Heavy-Ion Collisions*, North-Holland Publishing Co., Amsterdam, pp. 15-39  
(1981), N. Cindro, R.A. Ricci, and W. Greiner, eds.
210. H.J. Wollersheim, W.W. Wilcke, J.R. Birkelund, J.R. Huizenga, W.U. Schröder, H. Freiesleben,  
and D. Hilscher,  
THE  $^{209}\text{Bi} + ^{136}\text{Xe}$  REACTION AT  $E_{\text{lab}} = 1422$  MeV,  
*Phys. Rev C* 24, 2114 (1981).
211. J.R. Huizenga, J.R. Birkelund, W.U. Schröder, W.W. Wilcke, and H.J. Wollersheim,  
EXPERIMENTAL CHARACTERISTICS OF DAMPED NUCLEAR REACTIONS,  
*Nuclear Physics (Proc. Nuclear Physics Workshop, I.C.T.P., Trieste)*, North-Holland Publishing  
Co., Amsterdam, pp. 583-600 (1981); C.H. Dasso, ed.
212. A.D. Hoover, J.R. Birkelund, D. Hilscher, W.U. Schröder, W.W. Wilcke, J.R. Huizenga, H.  
Breuer, A.C. Mignerey, V.E. Viola, and K.L. Wolf,  
THE  $^{165}\text{Ho} + ^{56}\text{Fe}$  REACTION AT  $E_{\text{lab}} = 462$  MeV,  
*Phys. Rev C* 25, 256 (1982).
213. H.J. Wollersheim, W.W. Wilcke, J.R. Birkelund, and J.R. Huizenga,  
INFLUENCE OF THE IMPACT PARAMETER ON ELEMENT DISTRIBUTIONS IN  
DISSIPATIVE HEAVY-ION COLLISIONS,  
*Phys. Rev. C* 25, 338 (1982).
214. J.R. Huizenga,  
DEEP INELASTIC COLLISIONS,  
*McGraw-Hill Encyclopedia of Science and Technology*, 5<sup>th</sup> Edition, p. 63 (1982).

215. J.R. Birkelund, H. Freiesleben, J.R. Huizenga, W. U. Schröder, W.W. Wilcke, K.L. Wolf, J.P. Unik, and V.E. Viola, Jr.,  
MECHANISMS OF HEAVY-ION DISSIPATIVE COLLISIONS: THE  $^{209}\text{Bi} + ^{84}\text{Kr}$   
REACTION AT  $E_{\text{lab}} = 712$  MeV,  
*Phys. Rev. C* 26, 1984 (1982).
216. J.R. Huizenga, W.U. Schröder, J.R. Birkelund, and W.W. Wilcke,  
DISTINCTIVE FEATURES OF HEAVY ION DISSIPATIVE COLLISIONS,  
*Nucl. Phys. A* 387, 257C (1982).
217. J.R. Birkelund, A.D. Hoover, J.R. Huizenga, W.U. Schröder, and W.W. Wilcke,  
FUSION CROSS SECTIONS FOR THE  $^{165}\text{Ho} + ^{56}\text{Fe}$  System,  
*Phys. Rev. C* 27, 882 (1983).
218. H.H.H. Rossner, D. Hilscher, E. Holub, G. Ingold, U. Jahnke, H. Orf, J.R. Huizenga, J.R. Birkelund, W.U. Schröder, and W.W. Wilcke,  
ANGULAR DISTRIBUTIONS OF FRAGMENTS FROM FISSION INDUCED BY 220-MeV  
 $^{20}\text{Ne}$  ON TARGETS OF  $^{165}\text{Ho}$ ,  $^{197}\text{Au}$  AND  $^{209}\text{Bi}$ ,  
*Phys. Rev. C* 27, 2666 (1983).
219. W.W. Wilcke, J.P. Kosky, J.R. Birkelund, M.A. Butler, A.D. Dougan, J.R. Huizenga, W.U. Schröder, and H.J. Wollersheim,  
A NEW MECHANISM OF  $\alpha$ -PARTICLE PRODUCTION IN HEAVY-ION INDUCED  
FISSION,  
*Phys. Rev. Lett.* 51, 99 (1983).
220. H. Breuer, A.C. Mignerey, V.E. Viola, K.L. Wolf, J.R. Birkelund, D. Hilscher, J.R. Huizenga, W.U. Schröder, and W.W. Wilcke,  
CHARGE AND MASS EXCHANGE IN  $^{56}\text{Fe}$ -INDUCED REACTIONS AT 8.3  
MeV/NUCLEON,  
*Phys. Rev. C* 28, 1080 (1983).
221. J.R. Huizenga, J.R. Birkelund, L.E. Tubbs, D. Hilscher, U. Jahnke, H.H.H. Rossner, B. Gebauer, and H. Lettau,  
LIMITATION OF COMPLETE LINEAR MOMENTUM TRANSFER IN HEAVY-ION  
REACTIONS,  
*Phys. Rev. C* 28, 1853 (1983).
222. J.P. Kosky, W.W. Wilcke, J.R. Birkelund, M.A. Butler, A.D. Dougan, J.R. Huizenga, W.U. Schröder, H.J. Wollersheim, and D. Hilscher,  
ALPHA-PARTICLE EMISSION FROM THE STRONGLY DAMPED REACTION OF  $^{165}\text{Ho}$   
+  $^{56}\text{Fe}$  AT 8.3 MeV / NUCLEON,  
*Phys. Lett.* 133B, 153 (1983).

223. J.R. Birkelund and J.R. Huizenga,  
FUSION REACTIONS BETWEEN HEAVY NUCLEI,  
*Ann. Rev. Nucl. And Part. Sci.* 33, 265-322 (1983).
224. J.R. Huizenga,  
DEEP INELASTIC REACTIONS AND FUSION,  
*Nucl. Phys. A* 409, 181c (1983).
225. A.C. Mignerey, K.L. Wolf, D.G. Raich, V.E. Viola, J.R. Birkelund, W.U. Schröder, and J.R. Huizenga,  
BOMBARDING ENERGY DEPENDENCE OF THE  $^{144}\text{Sm} + ^{84}\text{Kr}$  REACTION,  
*Phys. Rev. C* 29, 158-182 (1984).
226. H.H.H. Rossner J.R. Huizenga, and W.U. Schröder,  
STATISTICAL SCISSION MODEL OF FISSION FRAGMENT ANGULAR DISTRIBUTIONS,  
*Phys. Rev. Lett.* 53, 38 (1984).
227. J.R. Birkelund and J.R. Huizenga,  
MEASUREMENT OF NUCLEAR POTENTIALS FROM FUSION EXCITATION FUNCTIONS,  
*Phys. Rev. C* 30, 401 (1984).
228. W.U. Schröder and J.R. Huizenga,  
DAMPED NUCLEAR REACTIONS,  
*Treatise on Heavy-Ion Science*, Volume 2, pp. 113-726, 1984, Plenum Press, D. Allan Bromley, ed.
229. J.R. Huizenga and W.U. Schröder,  
NUCLEAR TRANSPORT PHENOMENA IN LOW-ENERGY HEAVY -ION COLLISIONS,  
*Semiclassical Descriptions of Atomic and Nuclear Collisions (Proc. Niels Bohr Centennial Conf., Copenhagen, March 25-28, 1985)*, pp. 255-280, (1985) North Holland, Amsterdam, J. Bang and J. De Boer, eds.
230. L.E. Tubbs, J.R. Birkelund, J.R. Huizenga, D. Hilscher, U. Jahnke, H.H.H. Rossner, and B. Gebauer,  
LINEAR MOMENTUM TRANSFER IN 292-MEV  $^{20}\text{Ne}$ -INDUCED FISSION OF  $^{165}\text{Ho}$ ,  $^{181}\text{Ta}$ ,  $^{197}\text{Au}$ ,  $^{209}\text{Bi}$ , and  $^{238}\text{U}$ ,  
*Phys. Rev. C* 32, 214 (1985).
231. J.R. Huizenga, H.H.H. Rossner, and W.U. Schröder,  
FRAGMENT ANGULAR DISTRIBUTIONS FROM HEAVY-ION INDUCED FISSION,  
*Proc. 1984 INS-RIKEN Int. Symp. Heavy Ion Physics, J. Phys. Soc. Japan* 54, Suppl. II, pp. 257-271 (1985).

232. H.H. Rossner, J.R. Huizenga, and W.U. Schröder,  
FISSION FRAGMENT ANGULAR DISTRIBUTIONS,  
*Phys. Rev. C* 33, 560 (1986).
233. W.U. Schröder, J.R. Birkelund, J.R. Huizenga, L.E. Tubbs, W.W. Wilcke, W. Bohne, B. Gebauer, D. Hilscher, E. Holub, G. Ingold, U. Jahnke, H. Lettau, H. Morgenstern, H. Orf, J. Rossner, W.P. Zank, H. Gemmeke, K. Keller, L. Lassen, and W. Lucking,  
DISSIPATION OF LINEAR MOMENTUM AND ENERGY IN FUSION-LIKE REACTIONS,  
*Proc. Berlin Symposium on Nucl. Physics with Heavy Ions at VICKSI, February 1986*.
234. Töke, J.R. Birkelund, M.A. Butler, J.R. Huizenga, J.P. Kosky, L.M. Schmieder, W.U. Schröder, and W.W. Wilcke,  
SIGNATURES OF FAST ALPHA-PARTICLE EMISSION IN DAMPED HEAVY-ION REACTIONS,  
*Proc. Worksh. Nuclear Dynamics IV, Copper Mountain, CO, February 24-28, 1986, pp. 66-69*.
235. W.U. Schröder, R.T. de Souza, J.R. Huizenga, and L.M. Schmieder,  
MASS, CHARGE, AND ENERGY TRANSFER IN DAMPED REACTIONS,  
*Proc. Int. Symposium on Nuclear Fission and Heavy-Ion-Induced Reactions, University of Rochester, Rochester, New York, April 21 and 22, 1986, Nucl. Res. Conf. Series, Vol. 11, pp. 255-291, Harwood Academic Publishers, New York (1987)*.
236. H.H. Rossner, J.R. Huizenga, and W.U. Schröder,  
THE FISSION CHANNEL IN HEAVY-ION REACTIONS,  
*Proc. Int. Symposium on Nuclear Fission and Heavy-Ion-Induced Reactions, University of Rochester, Rochester, New York, April 21 and 22, 1986, Nucl. Res. Conf. Series, Vol. 11, pp. 127-142, Harwood Academic Publishers, New York (1987)*.
237. M.A. Butler, S.S. Datta, R.T. de Souza, J.R. Huizenga, W.U. Schröder, J. Töke, and J.L. Wile,  
RELAXATION OF THE MASS-ASYMMETRY DEGREE OF FREEDOM IN HEAVY-ION REACTIONS,  
*Phys. Rev. C* 34, 2016 (1986).
238. J.L. Wile, W.U. Schröder, J.R. Huizenga, and D. Hilscher,  
TEMPERATURES, ENERGIES, AND DEGREE OF THERMAL EQUILIBRATION OF FRAGMENTS IN DAMPED NUCLEAR REACTIONS,  
*Phys. Rev. C* 35, 1608 (1987).
239. I.M. Govil, J.R. Huizenga, W.U. Schröder, and J. Töke,  
SHAPES OF ALPHA-PARTICLE SPECTRA FROM ENERGETIC HEAVY-ION FUSION REACTIONS,  
*Phys. Lett. B* 197, 515 (1987).

240. S.S. Datta, J.R. Huizenga, W.U. Schröder, R.T. de Souza, J. Töke, and J.L. Wile,  
ENERGY DISSIPATION AND PARTICLE EMISSION IN HEAVY-ION REACTIONS,  
*Proc. Int. Symp. On Dynamics of Collective Phenomena in Nuclear and Subnuclear Long Range Interactions in Nuclei, Bad Honnef, Germany, May 4-7, 1987; (Peter David, Editor), World Scientific Publishing Co., pp. 273-287 (1988).*
241. J.R. Huizenga, M.A. Butler, H.H. Rossner, J.L. Wile, S.S. Datta, R.T. de Souza, D. Hilscher, W.U. Schröder, and J. Töke,  
MASSIVE HEAVY-ION REACTIONS,  
*Proc. All-Union Symposium on the Physics of Nuclear Fission, Obninsk, U.S.S.R., June 2-5, 1987, Proceedings in Russian, pp. 65-75 (1988).*
242. R.T. de Souza, W.U. Schröder, J.R. Huizenga, R. Planeta, K. Kwiatkowski, V.E. Viola, and H. Breuer,  
EVOLUTION OF MASS AND CHARGE ASYMMETRY IN DAMPED HEAVY-ION REACTIONS,  
*Phys. Rev. C37, 1783 (1988).*
243. R.T. de Souza, J.R. Huizenga, and W.U. Schröder,  
EFFECT OF A STEEP GRADIENT ON THE POTENTIAL ENERGY SURFACE ON NUCLEON EXCHANGE,  
*Phys. Rev., C37, 1901 (1988).*
244. R. Planeta, S.H. Zhou, K. Kwiatkowski, W.G. Wilson, V.E. Viola, H. Breuer, D. Benton, F. Khazaie, R.J. McDonald, A.C. Mignerey, A. Weston-Dawkes, R.T. de Souza, J.R. Huizenga, and W.U. Schröder,  
N/Z EQUILIBRATION IN DAMPED COLLISIONS INDUCED BY  $E/A = 8.5$  MeV  $^{58}\text{Ni}$  AND  $^{64}\text{Ni}$  ON  $^{238}\text{U}$ ,  
*Phys. Rev., C38, 195 (1988).*
245. W.U. Schröder, S.S. Datta, J.L. Wile, J. Töke, R.T. de Souza, and J.R. Huizenga,  
ENERGY RELAXATION IN DAMPED REACTIONS,  
*Proc. Texas A & M Symp. On Hot Nuclei, World Scientific Publishing Co. (S. Shlomo, R.P. Schmitt, and J.B. Natowitz, Eds.) pp. 223-240 (1988).*
246. R.T. de Souza, W.U. Schröder, J.R. Huizenga, J. Töke, S. S. Datta, and J. L. Wile,  
NUCLEON EXCHANGE IN THE ABSENCE OF STRONG DRIVING FORCES: The Reaction  $^{238}\text{U} + ^{48}\text{Ca}$  at  $E_{\text{lab}} = 425$  MeV,  
*Phys. Rev., C39, 114 (1989).*
247. J.L. Wile, S.S. Datta, W. U. Schröder, J.R. Huizenga, J. Töke, and R.T. de Souza,  
NON-EQUILIBRIUM EFFECTS IN THE  $^{139}\text{La} + ^{40}\text{Ar}$  REACTION AT 10 MeV PER NUCLEON OBSERVED IN A STUDY OF NEUTRON EMISSION,  
*Phys. Rev., C39, 1845 (1989).*

248. W.U. Schröder, J.L. Wile, D. Pade, S.S Datta, J. Töke, J.R. Huizenga and R.T. de Souza, MASS ENERGY FLOW IN DAMPED REACTIONS, *Proc. Symp. On Nuclear Physics*, Bombay, Dec. 27-31, 1988, Vol. 31A, 231 (1989).
249. W.U. Schröder, J.L. Wile, D. Pade, S.S. Datta, J. Töke, J.R. Huizenga and R.T. de Souza, NON-EQUILIBRIUM ENERGY TRANSPORT IN DAMPED REACTIONS, *Proc. Int. Conf. Nuclear Reaction Mechanism*, Calcutta, Jan. 3-9, 1989, S. Mukherjee, Ed. (Saha Inst. Nucl. Phys. 1989, p. 72)
250. J.R. Huizenga, A.N. Bekhami, I.M. Govil, W.U. Schröder and J. Töke, INFLUENCE OF ROTATION-INDUCED NUCLEAR DEFORMATION ON  $\alpha$ - PARTICLE EVAPORATION SPECTRA, *Phys. Rev.* C40, 668 (1989).
251. J. Töke, W.U. Schröder, and J.R. Huizenga, CORRELATIONS BETWEEN FRAGMENT MASS AND EXCITATION ENERGY IN DAMPED REACTIONS, *Phys. Rev.* C40, R1577, (1989).
252. J.R. Huizenga, A.N. Behkami, I.M. Govil, W.U. Schröder and J. Töke, DEPENDENCE OF THE SHAPE OF ALPHA-PARTICLE EVAPORATION SPECTRA ON NUCLEAR DEFORMATION, *Proc. Symposium on Nuclear Dynamics and Nuclear Disassembly*, 197<sup>th</sup> National ACS Meeting, Dallas, April 9-14, 1989, World Scientific Publishing Co. (J.B. Natowitz, Ed. ) pp. 228-243 (1989).
253. J.L. Wile, S.S Datta, W.U. Schröder, J.R. Huizenga, R.T. de Souza and D. Pade, EXCITATION ENERGY EQUILIBRIUM IN DAMPED  $^{139}\text{La}+^{40}\text{Ar}$  COLLISIONS AT 15 MeV PER NUCLEON, *Phys. Rev.* C40, 1700 (1989).
254. W.U. Schröder and J.R. Huizenga, HEAVY-ION-INDUCED FISSION – EXPERIMENTAL STATUS, *Proc. International Conference “Fifty Years Research in Nuclear Fission”*, Berlin, Germany, April 3-7, 1989, *Nucl. Physics* A502, 473C (1989).
255. J.L. Wile, S.S. Datta, R.T. de Souza, J.R. Huizenga, D. Pade, W.U. Schröder, and J. Töke, EVIDENCE FOR RADIAL-ENERGY SCALING OF NON-EQUILIBRIUM NEUTRON YIELDS IN DAMPED  $^{139}\text{La}+^{40}\text{Ar}$  REACTIONS, *Phys. Rev. Letters* 63, 2551 (1989).
256. R.W. Atcher, A.M. Friedman, J.R. Huizenga, and R.P. Spencer, A RADIONUCLIDE GENERATOR FOR THE PRODUCTION OF  $^{211}\text{Pb}$  AND ITS DAUGHTERS, *J. Radioanal. Nucl. Chem. Lett.* 135, 215 (1989).

257. J. Töke, W.U. Schröder, and J.R. Huizenga,  
ASPECTS OF KINEMATICAL COINCIDENCE MEASUREMENTS OF EXCITATION  
ENERGY DIVISION IN DAMPED REACTIONS,  
*Nuclear Instruments and Methods*, A288, 406 (1990).
258. J. Töke, R. Planeta, W.U. Schröder, and J.R. Huizenga,  
CORRELATIONS BETWEEN ENERGY AND MASS PARTITION IN THE DAMPED  
REACTION  $^{165}\text{Ho} + ^{74}\text{Ge}$  at  $E_{\text{Lab}} = 8.5 \text{ MeV/NUCLEON}$ ,  
*Phys. Rev. C* 44, 390 (1991).
259. M.B. Chatterjee, S.P. Baldwin, J.R. Huizenga, D. Pade, B.M. Quednau, W.U. Schröder, B.M. Szabo, and J. Töke,  
ENERGY PARTITION IN NEAR-BARRIER STRONGLY DAMPED COLLISIONS  $^{58}\text{Ni} + ^{208}\text{Pb}$ ,  
*Phys. Rev. C* 44, R2249 (1991).
260. J.R. Huizenga,  
COLD FUSION: THE SCIENTIFIC FIASCO OF THE CENTURY,  
University of Rochester Press (Book), Rochester, New York (April 1992).
261. B.M. Quednau, S.P. Baldwin, M.B. Chatterjee, J.R. Huizenga, W.U. Schröder, B.M. Szabo, J. Töke, U. Jahnke, D. Hilscher, H.H. Rossner, B. Lott, S. Bresson, J. Galin, D. Guerreau, M. Morjean, and D. Jacquet,  
SIGNATURES OF BINARY COLLISION DYNAMICS IN THE REACTIONS  $^{197}\text{Au} + ^{208}\text{Pb}$   
AT 29 MEV/NUCLEON,  
*Advances in Nuclear Dynamics*, W. Bauer and B.B. Back (Editors), World Scientific, Singapore 1992, 107.
262. J.R. Huizenga,  
COLD FUSION LABELED "FIASCO OF CENTURY,"  
*FORUM for Applied Research and Public Policy Winter* (1992), page 78.
263. J.L. Wile, S.S. Datta, W.U. Schröder, J. Töke, D. Pade, S.P. Baldwin, J.R. Huizenga, B.M. Quednau, R.T. deSouza, and B.M. Szabo,  
THERMAL PROPERTIES OF COMPOUND SYSTEMS FORMED IN FUSION OF  $^{118}\text{Sn}$   
AND  $^{124}\text{Sn}$  NUCLEI,  
*Phys. Rev. C* 47, 2135 (1993).
264. J.R. Huizenga ,  
ARE THE WORLD'S ENERGY PROBLEMS OVER?  
*Leaders Magazine* 16, no. 1, page 21 (1993).

265. M.B. Chatterjee, S. P. Baldwin, J.R. Huizenga, D. Pade, B.M. Quednau, W.U. Schröder, B.M. Szabo, and J. Töke,  
REPLY TO “ENERGY PARTITION IN NEAR-BARRIER STRONGLY DAMPED  
COLLISIONS  $^{58}\text{Ni} + ^{208}\text{Pb}$ ”,  
*Phys. Rev. C* 47, 3003 (1993).
266. B.M. Quednau, S.P. Baldwin, M.B. Chatterjee, J.R. Huizenga, W.U. Schröder, B.M. Szabo, J. Töke, U. Jahnke, D. Hilscher, H.H. Rossner, B. Lott S. Bresson, J. Galin, D. Guerreau, M. Morjean, and D. Jacquet,  
BINARY COLLISION DYNAMICS IN THE REACTIONS  $^{197}\text{Au} + ^{208}\text{Pb}$  AT 29  
MeV/NUCLEON,  
*Physics Letters B* 309, 10 (1993).
267. J.R. Huizenga  
SIZE OF THE PERIODIC TABLE,  
*Journal of Chemical Education* 70, (No. 9) 730 (1993).
268. J.R. Huizenga,  
COLD FUSION: THE SCIENTIFIC FIASCO OF THE CENTURY,  
Oxford University Press (Updated book in paperback), Oxford, New York (November, 1993).