

References (unfinished)

Papers and books cited in this book are listed below in alphabetical order by the family name of the first author and also several materials are posted at CFRL website:
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Several papers presented at Conferences and published in Proceedings are posted there as pdf files and also distributed by request to the author to the following mail address:
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Akasofu 1983, Akasofu, S., "Paradigm, Creativity and Revolution in Science." (in Japanese) *Nature* (in Japanese), March 1983, pp. 38-45.

Alberg 1990, M.A. Alberg, L. Wilets, J.J. Rehr and J. Mustre de Leon, "Upper Limits to Fusion Rate of Isotopic Hydrogen Molecules in Pd," *Phys. Rev.* **C41**, 2544 (1990).

Alefeld 1978, G. Alefeld and J. Voelkl, *Introduction*, in G. Alefeld, J. Voelkl (eds.): *Hydrogen in Metals I, Basic Properties*. Topics in Applied Physics, Vol. 28 (Springer, Berlin, Heidelberg, New York 1978) pp. 1 – 4 (1978).

Alekseev 1994, V.A. Alekseev, V.I. Vasil'ev, V.A. Romodanov, Yu.F. Ryshelev, V.I. Savin, Ya.B. Skuratnik and V.M. Strunnikov, "Tritium Production in the Interaction of Dense Streams of Deuterium Plasma with Metal Surfaces," *Tech. Phys. Lett.* **26**, 207 (1994).

Anton 1999, L. Anton, "Simple Equation for Earthquake Distribution," *Phys. Rev.* **E59**, pp. 7213 –7215 (1999).

Arapi 2002, A. Arapi, S. Narita, R. Ito, N. Sato, M. Itagaki and H. Yamada, "New Element Production on/in Deuterated and Hydrated Palladium Electrodes by DC Glow Discharge," *Jpn. J. Appl. Phys.* **41**, L1181-L1183 (2002).

Arata 1999, Y. Arata and Y-C. Zhang, "Anomalous Production of Gaseous ${}^4\text{He}$ at the Inside of 'DS-Cathode' during D_2O Electrolysis," *J. High Temperature Society (Japan)* **75B**, 281 (1999).

Bak 1987, P. Bak, C. Tang, and K. Wiesenfeld, "Self-Organized Criticality: An Explanation of $1/f$ Noise" *Phys. Rev. Lett.* **59**, pp. 381 – 384 (1987).

Bak 1989, P. Bak and C. Tang, "Earthquakes as Self-Organized Critical Phenomena," *J. Geophysical Research*, **94**, No. B11, pp. 15635 – 15637 (1989).

Barnes 1972, B. Barnes, *Sociology of Science—Selected Readings* —, Penguin Books Inc., 1972, ISBN 0-1408-0619-9

Baym 1971, G. Baym, H.A. Bethe and C.J. Pethick, *Nuclear Physics*, **A175**, 225 – 271 (1971).

- Biberian 1995**, J.-P. Biberian, "Excess Heat Measurement in Al₂O₃ Doped with Deuterium," *Proc. ICCF5*, pp. 49 – 56 (1995).
- Biberian 2005**, J.-P. Biberian, "Explosion during an electrolysis experiment in an open cell mass flow calorimeter," presented at *6th International Workshop on Anomalies in Hydrogen/Deuterium loaded Metals*, Siena, Italy, May 13-15 2005.
- Birnbaum 1972, H.K. Birnbaum and C.A. Wert, "Diffusion of Hydrogen in Metals," *Berichte der Bunsen-Gesellschaft*, **76-8**, pp. 806 – 817 (1972).
- Birnbaum 1972**, H.K. Birnbaum and C.A. Wert, "Diffusion of Hydrogen in Metals" *Berichte der Bunsen-Gesellschaft*, **76-8**, 806 – 817 (1972).
- Blatt 1952**, J.M. Blatt and V.F. Weisskopf, *Theoretical Nuclear Physics, Chapter II*, John-Wiley & Sons, New York, 1952.
- Bockris 1996**, J.O'M. Bockris and Z. Minevski, "Two Zones of 'Impurities' Observed after Prolonged Electrolysis of Deuterium on Palladium," *Infinite Energy*, **5 & 6**, 67 (1995-96).
- Bohr 1969**, A. Bohr and B.R. Mottelson, *Nuclear Structure I*, Benjamin, New York, 1969.
- Botta 1992**, E. Botta, T. Bressani, D. Calvo, A. Feliciello, P. Giannotti, C. Lamberti, M. Agnello, F. Iazzi, B. Minetti and A. Zecchina, "Measurement of 2.5 MeV Neutrons Emission from a Ti/D and Pd/D Systems," *Il Nuovo Cimento* **105A**, 1662 (1992).
- Botta 1996**, E. Botta, T. Bressani, C. Fanara and F. Iazzi, "Measurement of ⁴He Production from D₂ Gas-Loaded Pd Sample," *Proc. ICCF6*, p. 29 - 35 (1996).
- Botta 1999**, E. Botta, T. Bressani, D. Calvo, C. Fanara and F. Iazzi, On the Neutron Emission from the Ti/D System," *Il Nuovo Cimento* **112A**, 607 (1999).
- Broad 1982** W. Broad and N. Wade, *Betrayers of the Truth – Fraud and Deceit in the Halls of Science*, Simon and Schuster, New York, 1982, ISBN 0-671-44769-6.
- Bush 1992**, R.T. Bush, "A Light Water Excess Heat Reaction suggests that 'Cold Fusion' may be 'Alkali-Hydrogen Fusion,'" *Fusion Technol.* **22**, 301 (1992), ISSN 0748-1896.
- Callaway 1958**, J. Callaway, *Electron Energy Bands in Solids*, in *Solid State Physics*, Vol. 7, pp. 99 – 212 (1958), Edit. F. Seitz and D. Turnbull, Academic Press, 1958, Library of Congress Catalog Card Number: 55-12299.
- Campari 2000**, E.G. Campari, S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, E. Porcu, E. Tosti and S. Veronesi, "Ni-H System," *Proc. ICCF8* pp. 69 - 74 (2000).
- Campari 2006a**, E.G. Campari, G. Fasano, S. Focardi, G. Lorusso, V. Gabbani, V. Montalbano, F. Piantelli, C. Stanghini and S. Veronesi, "Photon and Particle Emission, Heat Production and Surface Transmutation in Ni-H System," *Proc. ICCF11* pp. 405 –

413 (2006), ISBN981-256-640-6..

Campari 2006b, E.G. Campari, S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, and S. Veronesi, "Surface Analysis of Hydrogen-Loaded Ni Alloys," *Proc. ICCF11* pp. 414 – 420 (2006), ISBN981-256-640-6..

Carpenter 1989, J.M. Carpenter, Cold fusion: what's going on?" *Nature*, **338**, 711 (1989).

Celani 1992, F. Celani, A. Spallone, L. Libaratori, F. Groce, A. Storelli, S. Fortunati, M. Tului and N. Sparviari, "Search for Enhancement of Neutron Emission from Neutron-Irradiated, Deuterated High-Temperature Superconductors in a Very Low Background Environment," *Fusion Technol.* **22**, 181 (1992).

Celani 1996, F. Celani, A. Spallone, T. Toripodi, D. Di Giacchino, P. Marini, V. Do Stefano, A. Mancini and S. Pace, "New Kinds of Electrolytic Regimes and Geometrical Configurations to Obtain Anomalous Results in Pd(M)-D Systems," *Proc. ICCF6*, pp. 93 – 104 (1996).

Celani 2010, F. Celani, and more 14 authors, "First Measurement on Nano-coated Ni Wire at Very High Temperature under He, Ar, H₂ and D₂ Atmosphere and Their Mixture," *9th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals* (Pontignano, 17-19, Sept, 2010).

Cellucci 1996, F. Cellucci, P.L. Cignini, G. Gigli, D. Gozzi, E. Cisbani, S. Frullani, F. Galibaldi, M. Jodice and G.M. Urciuoli, "X-ray, Heat Excess and 4He in the Electrochemical Confinement of Deuterium in Palladium," *Proc. ICCF6*, pp. 3 – 11 (1996).

Chen 1974, F.F. Chen, *Introduction to Plasma Physics*, Plenum Press, New York, 1974, ISBN 0-306-30755-3

Chicea 2002, D. Chicea, "On New Elements on Cathode Surface after Hydrogen Isotopes Absorption," *Proc. of ICCF9*, pp. 53 – 56 (2002).

Chien 1992, C-C. Chien, D. Hodko, Z. Minevski and J. O'M. Bockris, "On the Electrode Producing Massive Quantities of Tritium and Helium," *J. Electroanal. Chem.*, **338**, 189 (1992).

Chiu 1994, S. Chiu and A.A. Haasz, "Hydrogen Transport and Trapping in Graphite," *UTIAS Report No. 347*, Institute for Aerospace Studies, Univ. Toronto, 1994. CN ISSN 0082-5255.

Chubb 1993, T. Chubb and S. Chubb, "Ion Band State Fusion," *Proc. ICCF3*, pp. 623 – 626 (1993), ISBN 4-946443-12-6.

Clarke 2001a, W.B. Clarke, "Search for ³He and ⁴He in Arata-Style Palladium Cathodes I: A Negative Result," *Fusion Science and Technology*, **40**, 147 (2001).

Clarke 2001b, W.B. Clarke, B.M. Oliver, M.C.H. McKubre, F.L. Tanzella, and P. Tripodi, "Search for ${}^3\text{He}$ and ${}^4\text{He}$ in Arata-Style Palladium Cathodes II: Evidence for Tritium Production," *Fusion Science and Technology*, **40**, 152 (2001).

Claytor 1991, T.N. Claytor, D.G. Tuggle and H.O. Menlove, "Tritium Generation and Neutron Measurements in Pd-Si under High Deuterium Gas Pressure," *Proc. ICCF2*, pp. 395 - 408 (1991).

Claytor 1998, T.N. Claytor, M.J. Schwab, D.J. Thoma, D.F. Teter and D.G. Tuggle, "Tritium Production from Palladium Alloys," *Proc. ICCF7*, pp. 88 - 93 (1998).

Crawford 1998, B.E. Crawford, J.D. Bowman, P.P.J. Delheij, T. Haseyama et al. *Phys. Rev.* **C58**, 729 - 738 (1998).

Dash 1993, J. Dash, G. Noble and D. Diman, "Surface Morphology and Microcomposition of Palladium Cathodes after Electrolysis in Acidified Light and Heavy Water: Correlation with Excess Heat," *Trans. Fusion Technol.*, **26**, 299 – 306 (1993).

Dash 1994a, J. Dash, G. Noble and D. Diman, "Changes in Surface Topography and Microcomposition of a Palladium Cathode caused by Electrolysis in Acidified Light Water," *Proc. Int. Sym. Cold Fusion and Advanced Energy Sources* (Minsk, Belarus, May 25 – 26, 1994) pp. 172 – 183 (1994).

Dash 1994b, J. Dash, G. Noble and D. Diman, "Surface Morphology and Microcomposition of Palladium Cathodes after Electrolysis in Acidified Light and Heavy Water Correlation with Excess Heat," *Trans. Fusion Technol.*, **26**, 299 - 306 (1994), ISSN 0748-1896.

Dash 1996, J. Dash, "Chemical Changes and Excess Heat caused by Electrolysis with $\text{H}_2\text{SO}_4 - \text{D}_2\text{O}$ Electrolyte," *Proc. ICCF6*, pp. 477 – 481 (1996).

Dash 1997, J. Dash, R. Kopecek, and S. Miguet. "Excess Heat and Unexpected Elements from Aqueous Electrolysis with Titanium and Palladium Cathodes," *Proc. 32nd Intersociety Energy Conversion Engineering Conference* pp. 1350 - 1355 (1997).

Dash 2002a, J. Dash (private communication in 2002).

Dash 2003a, J. Dash, I. Savvatimova, S. Frantz, E. Weis and H. Kozima, "Effects of Glow Discharge with Hydrogen Isotope Plasmas on Radioactivity of Uranium," *Proc. ICCF9*, pp. 77 – 81 (2003).

Dash 2003b, J. Dash, H. Kozima, I. Savvatimova, S. Frantz and E. Weis, "Effects of Glow Discharge with Hydrogen Isotope Plasmas on Radioactivity of Uranium," *Proc. 11th Intern. Conf. Emerging Nuclear Energy Systems*, p.122 – 126 (2003).

Dash 2006, J. Dash and D. Chicea, "Changes in the Radioactivity, Topography, and

Surface Composition of Uranium after Hydrogen Loading by Aqueous Electrolysis," *Proc. ICCF10*, pp. 463 – 474 (2006). ISBN 981-256-564-7.

De Ninno 1989, A. De Ninno, A. Frattolillo, G. Lollobattista, G. Martinio, M. Martone, M. Mori, S. Podda and F. Scaramuzzi, "Evidence of Emission of Neutrons from a Titanium-Deuterium System," *Europhys. Lett.*, **9**, 221 – 224 (1989).

DOE Report 1989, *Cold Fusion Research*, November 1989—A Report of the Energy Research Advisory Board to the United States Department of Energy—(DOE Report 1989), DOE/S-0071 (August, 1989) and DOE/S--0073, DE90, 005611.

DOE Report 2004, "Report of the Review of Low Energy Nuclear Reactions."

http://www.science.doe.gov/Sub/Newsroom/News_Releases/DOE-SC/2004/low_energy/CF_Final_120104.pdf

Dufour 1993, J. Dufour, "Cold Fusion by Sparking in Hydrogen Isotopes," *Fusion Technol.* **24**, 205 (1993).

Dufour 1996, J. Dufour, J. Foos, J.-P. Millot and X. Dufour, "From 'Cold Fusion' to 'Hydrex' and 'Deutex' States of Hydrogen," *Proc. ICCF6*, pp. 482 – 495 (1996).

Esko 2008, E. Esko, "Production of Metals from Non-Metallic Graphite," *Infinite Energy* **78**, pp. 42 – 43 (2008),

Feigenbaum 1978, M.J. Feigenbaum, "Quantitative Universality for a Class of Nonlinear Transformations" *J. Statistical Physics*, **19**, 25 – 52 (1978).

Firestone 1996, R.B. Firestone, *Table of Isotopes*, CD-ROM 8th edition, v. 1.0, Wiley-Interscience, 1996.

Fisher 1992, J.C. Fisher, "Polyneutrons as Agents for Cold Nuclear Reactions," *Fusion Technol.*, **22**, 511 – 517 (1992), ISSN 0748-1896.

Fisher 1998, J.C. Fisher, "Liquid-Drop Model for Extremely Neutron Rich Nuclei," *Fusion Technol.*, **34**, 66 – 75 (1998), ISSN 0748-1896.

Fisher 2005, J.C. Fisher, "Polyneutron Theory of Transmutation," *Proc. ICCF12*, 516 – 520 (2005), ISBN 981-256-901-4.

Flanagan 1978, T.B. Flanagan and W.A. Oates, "Palladium-Hydrogen: The Classical Metal-Hydrogen System," in R. Bau, Ed., *Transition Metal Hydrides*, pp. 283 – 301 (1978) (Advances in Chemistry Series 167. American Chemical Society, 1978).

Fleischmann 1989, M. Fleischmann, S. Pons and M. Hawkins, "Electrochemically induced Nuclear Fusion of Deuterium," *J. Electroanal. Chem.*, **261**, 301 – 308 (1989).

Fleischmann 1990, M. Fleischmann, "An Overview of Cold Fusion Phenomena," *ICCF1 lecture* (March 31. 1990, Saturday), *Proc. ICCF1*, pp. 344 – 350 (1990)

Fleischmann 1995, M. Fleischmann, "More about Positive Feedback; more about Boiling," *Proc. ICCF5*, pp. 140 – 151 (1995).

Fleischmann 1998a, M. Fleischmann, "Cold Fusion: Past, Present and Future," *Proc. ICCF7*, p.119 (1998). Abstract of this paper (*Abstracts of ICCF7* (1998, Vancouver, Canada), p.60 (1998).)

Fleischmann 1998b, M. Fleischmann, *Abstract* of "Cold Fusion: Past, Present and Future," *Abstracts of ICCF7* (1998, Vancouver, Canada), p.60 (1998). (This Abstract is contained in [Kozima 1998a] as Appendix (17.7) and also posted at the following page of the CFRL website:

<http://www.geocities.jp/hjrfq930Cfcom/Histry/histry/Flschmnhis.htm>)

Focardi 1994, S. Focardi, R. Habel and F. Piontelli, "Anomalous Heat Production in Ni-H System," *Nuovo Cimento*, **107A**, 163 (1994).

Forsley 1998, L. Forsley, R. August, J. Jorne, J. Khim, F. Mis and F. Phillips, "Analyzing Nuclear Ash from the Electrocatalytic Reduction of Radioactivity in Uranium and Thorium," *Proc. ICCF7*, pp.128 – 132 (1998).

Fukai 1982, Y. Fukai, "Properties of Metal Hydrides (II)," *Kotai Butsuri (Solid State Physics)*, **17**, 701 – 716 (1982). (in Japanese)

Fukai 2005, Y. Fukai, *The Metal-Hydrogen System*, Springer, 2005, ISBN-10; 3642047211.

Fukuda 2004, K. Fukuda, T. Umeno and Y. Hara, "Natural Graphite/Carbon Composite Anode Material as Lithium Ion Battery," *Materials Integration* **17**, No.1, pp. 45 – 50 (2004) (in Japanese).

Gleick 1987, J. Gleick *Chaos – Making a New Science*, Penguin Books, 1987. ISBN 0-14-00-9250-1.

Goddard 2000, G. Goddard, J. Dash and S. Frantz, "Characterization of Uranium Codeposited with Hydrogen on Nickel Cathodes," *Transactions of American Nuclear Soc.* **83**, 376 – 378 (2000).

Gödel 1931, K. Gödel, "Über formal unentscheidbare Sätze der Principia Mathematica und verwandter Systeme, I", *Monatshefte für Mathematik und Physik*, v. 38 n. 1, pp. 173–198.

Graham 1866, T. Graham, *Phil. Trans. Roy. Soc.* (London) 156, 399 (1866).

Graham 1868, T. Graham: *Proc. Roy. Soc.* (London) 16, 422 (1868); *Phil. Mag.* **36**, 63 (1868); *C. R. Acad. Sci.* **66**, 1014 (1868); *Ann. Chim. Phys.* (Paris) **14**, 315 (1868).

Graham 1869, T. Graham: *Proc. Roy. Soc.* (London) **17**, 212,500(1869); *C.R. Acad. Sci.* **68**, 101,1511(1869); *Ann. Chim. Phys.* (Paris) **16**, 188 (1869); *Ann. Chem. Pharm.*

150,353; **152**, 152,168 (1869).

Hagelstein 2004 P.L. Hagelstein, M.C. H. McKubre, D.J. Nagel, T.A. Chubb, and R.J. Hekman, "New Physical Effects in Metal Deuterides," (paper presented to DOE) posted at DOE website;

http://www.science.doe.gov/Sub/Newsroom/News_Releases/DOE-SC/2004/low_energy_CF_Final_120104.pdf

Hanawa 2000, T. Hanawa, "X-ray Spectrometric Analysis of Carbon Arc Products in Water," *Proc. ICCF8*, pp. 147 - 152 (2000). And also "X-ray Spectrometric Analysis of Carbon-Arc Products in Water and Alkali Carbonate Solution, " *Abstracts of JCF1*, page 12 (1999) (in Japanese).

Hansen 1987, P.G. Hansen and B. Jonson, *Europhys. Lett.*, **4**, 409 - 414 (1987).

Hansen 1993, P.G. Hansen, *Nuclear Phys.*, **A553**, 89c - 106c (1993).

Hansen 1995, P.G. Hansen, "Nuclear Halo: Structure and Reactions" *Nuclear Physics*, **A588**, 1c – 10c (1995).

Hansen 1995, P.G. Hansen, A.S. Jensen and B. Jonson, "Nuclear Halos," *Annu. Rev. Nucl. Part. Sci.* **45**, 591 – 634 (1995).

Heisenberg 1927, W. Heisenberg, "Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik", *Zeitschrift für Physik* (in German), **43** (3–4): pp. 172–198.

Hessen 1931, B. Hessen, *The Social and Economic Roots of Newton's Principia*, in Nicolai I. Bukharin, *Science at the Crossroads*, London 1931 (Reprint New York 1971), pp. 151–212 (1931). Translated by Philippa Shimrat from Russian original in: Gideon Freudenthal and Peter McLaughlin, *The Social and Economic Roots of the Scientific Revolution*, Springer, pp. 41–101 (2009).

Hirata 1991, D. Hirata, H. Toki, T. Watabe, I. Tanihata and B.V. Carlson, "Relativistic Hartree Theory for Nuclei far from the Stability Line," *Phys. Rev.* **44C**, 1467 (1991).

Hino 1998, M. Hino, N. Achiwa, S. Tasaki, T. Ebisawa, T. Kawai and T. Akiyoshi, "Observation of Quasi-bound States of Neutron in Fabry-Perot Magnetic Thin Film Resonator using Larmor Precession," *Physica*, **B241-243**, 1083 - 1085 (1998).

[Hiskey 2011] D. Hiskey, "Alfred Nobel Was Also Known as "The Merchant of Death" January 3, 2011 <http://www.todayifoundout.com/index.php/author/daven/> (on May 8, 2017).

Hora 1993, H. Hora, J.C. Kelly, J.U. Patel, M.A. Prelas, G.H. Miley and J.W. Tomkins, "Screening in Cold Fusion Derived from D-D Reaction," *Phys. Lett.* **A175**, 138 (1993).

Hora 1998, H. Hora, G.H. Miley, J.C. Kelly and Y. Narne, "Nuclear Shell Magic

Numbers agree with Measured Transmutation by Low-Energy Reactions," *Proc. ICCF7*, pp. 147 – 151 (1998), ISBN 7-302-06489-X.

Hora 2002, H. Hora, G.H. Miley, J.C. Kelly and F. Osman, "Shrinking of Hydrogen Atoms in Host Metals by Dielectric Effects and Inglis-Teller Depression of Ionization Potential," *Proc. ICCF9*, pp. 135 – 140 (2002).

Huizenga 1992, J.R. Huizenga, *Cold Fusion—The Scientific Fiasco of the Century*, University of Rochester Press, Rochester, NY, USA, 1992. ISBN 1-87882-207-1

Hunt 1987, S.E. Hunt, *Nuclear Physics for Engineers and Scientists: Low Energy Theory With Applications Including Reactors and Their Environmental Impact* (Ellis Horwood series in mechanical engineering), John Wiley & Sons Inc. N.Y., 1987. **ISBN:** 0-74580-083-1

Ichimaru 1993, S. Ichimaru, "Nuclear Fusion in Dense Plasmas," *Rev. Mod. Phys.*, **65**, 255 - 299 (1993).

Inami 2007, N. Inami, M.A. Mohamed, E. Shikoh and A. Fujiwara, "Synthesis-condition dependence of carbon nanotube growth by alcohol catalytic chemical vapor deposition method" *Science and Technology of Advanced Materials*, **8**, pp. 292–295 (2007).

Ishida 1992, T. Ishida, "Study of the Anomalous Nuclear Effects in Solid-Deuterium Systems," *Master Degree Thesis*, Tokyo University, February 1992.

ITER 1985, ITER Story <https://www.iter.org/proj/iterhistory>

Iwamura 1998, Y. Iwamura, T. Itoh, N. Gotoh, M. Sakano and I. Toyoda, "Detection of Anomalous Elements, X-ray and Excess Heat induced by Continuous Diffusion of Deuterium through Multi-layer Cathode (Pd/CaO/Pd)," *Proc. ICCF7* (April 20 - 23, 1998, Vancouver, Canada), p. 167, ENECO Inc. Utah, USA, 1998.

Iwamura 2002, Y. Iwamura, M. Sakano and T. Itoh, "Elemental Analysis of Pd Complexes: Effects of D₂ Gas Permeation," *Jpn. J. Appl. Phys.*, **41**, 4642 - 4650 (2002).

Iwamura 2005, Y. Iwamura, T. Itoh, M. Sakano and S. Sakai, "Observation of Low Energy Nuclear Reactions induced by D₂ Gas Permeation through Pd Complexes" *Proc. ICCF9*, pp. 141 – 146 (2005), ISBN 7-302-06489-X/O-292..

Iwamura 2006a, Y. Iwamura, T. Itoh, M. Sakano, S. Sakai and S. Kurabayashi, "Low Energy Nuclear Transmutation in Condensed Matter induced by D₂ Gas Permeation through Pd Complexes: Correlation between Deuterium Flux and Nuclear Products" *Proc. ICCF10*, pp. 435 – 446 (2006), ISBN 981-256-640-6, ISBN 981-256-564-7.

Iwamura 2006b, Y. Iwamura, T. Itoh, M. Sakano, N. Yamazaki, S. Kurabayashi, Y. Terada, T. Ishikawa and J. Kasagi, "Observation of Nuclear Transmutation Reactions

induced by D₂ Gas Permeation through Pd Complexes" *Proc. ICCF11*, pp. 339 – 349 (2006), ISBN 981-256-640-6.

Iwamura 2006c, Y. Iwamura, T. Itoh, M. Sakano, N. Yamazaki, S. Kurabayashi, Y. Terada and T. Ishikawa, "Observation of Surface Distribution of Products by X-ray Fluorescence Spectroscopy during D₂ Gas Permeation through Pd Complexes" *Proc. ICCF12*, pp. 178 – 187 (2006), ISBN 981-256-640-6, ISBN 981-256-901-4.

Iyengar 1989, P.K. Iyengar, "Cold Fusion Results in BARC Experiments," *Proc. 5th International Conf. on Emerging nucl. Energy Systems (1989, Karlsruhe, Germany)*, pp. 291 (1989). And also P.K. Iyengar and M. Srinivasan (Eds), "BARC Studies in Cold Fusion," Report BARC-1500 (1989).

Iyengar 1990a, P.K. Iyengar, M. Srinivasan and others, "Bhabha Atomic Research Centre Studies in Cold Fusion," *Fusion Technology*, **18**, 32 – 94 (1990), ISSN 0748-1896.

Iyengar 1990b, P.K. Iyengar and M. Srinivasan, "Overview of BARC Studies on Cold Fusion," *1st Annual Conf. Cold Fusion (ICCF1)*, pp. 62 – 92 (1990).

Jiang 2012, S. Jiang, X. Xu et al., "Anomalous Neutron Burst Emissions in Deuterium-Loaded Metals: Nuclear Reaction at Normal Temperature," *Chinese Physics Lett.*, **29**, pp. 112501-1 – 4 (2012). And also S. Jiang, X. Xu et al., "Neutron Burst Emission from Uranium Deuteride and Deuterium-Loaded Titanium," *Proc. ICCF17* (preprint version).

Jensen 2004, A.S. Jensen, K. Riisager, D.V. Fedorov and E. Garrido, "Structure and Reactins of Quantum Halos," *Rev. Mod. Physics*, **76**, 215 – 261 (2004).

Joannopoulos1995, J.D. Joannopoulos, R.D. Meade and J.N. Winn, *Photonic Crystals: Molding the Flow of Light*, Princeton Univ. Press, Princeton, NJ, 1995.

Jones 1989, S.E. Jones, E.P. Palmer, J.B. Czirr, D.L. Decker, G.L. Jensen, J.M. Thorne and S.E. Tayler, "Observation of Cold Nuclear Fusion in Condensed Matter," *Nature* **338**, 737 – 740 (1989).

Jones 1994, S.E. Jones, D.E. Jones, S.S. Shelton and S.E. Tayler, "Search for Neutron, Gamma and X-Ray Emission from Pd/LiOD Electrolytic Cells; A Null Results," *Trans. Fusion Technol.*, **26**, 143 (1994), ISSN 0748-1896.

Jones 2003, S.E. Jones, F.W. Keeney and A.C. Johnson, "Evidence for Charged Particles Emanating from Deuterided Metal Foils," *Proc. ICCF10*, Abstract p.55 (2003).

Johnson 1925, J. B. Johnson, *Phys. Rev.*, **26**, 71 (1925).

Kaliev 1993, K. Kaliev, A. Baraboshkin, A. Samgin, E. Golikov, A. Shalyapin, V.

Andreev and P Goluburchiy, "Reproducible Nuclear Reactions during Interaction of Deuterium with Nuclear with Oxide Tungsten Bronze," *Proc. ICCF3*, pp. 241 – 244 (1993), ISBN 4-946443-12-6.

Kanungo 2011, R. Kanungo, A. Prochazka, W. Horiuchi et al., "Matter Radii of $^{32-35}\text{Mg}$," *Phys. Rev. C* **83**, 021302-1 – 4 (2011).

Katz 1986, J.J. Katz, G.T. Seaborg and L.R. Morss, *The Chemistry of the Actinide Elements*, Vol.1 (Second Edition), Chapman and Hall, 1986.

Kganyago 2003, K.R. Kganyago and P.E. Ngoepe, "Structural and electronic properties of lithium intercalated graphite LiC₆," *Phys. Rev. B* **68**, 205111- 205126 (2003)

Kim 1995, Y.E. Kim and A.L. Zubarev, "Uncertainties of Conventional Theories and New Improved Formulation of Low-Energy Nuclear Fusion Reactions," *Proc. ICCF5*, pp. 293 – 314 (1995).

Kim 1996, Y.E. Kim and A.L. Zubarev, *Phys. Rev.*, **54**, 1805 - 1810 (1996).

Kim 2003, Y.E. Kim, D.S. Kotlick, A.L. Zubarev, "Quantum Many-Body Theory of Low Energy Nuclear Reaction Induced by Acoustic Cavitation in Deuterated Liquid," *Proc. ICCf10, Abstract* p.63 (2003)

Kittel 1976, C. Kittel, Introduction to Solid State Physics, 5th edition, John Wiley & Sons, New York, 1976. ISBN 0-471-49024-5.

Kopecek 1996, R. Kopecek and J. Dash, "Excess Heat and Unexpected Elements from Electrolysis of Heavy Water with Titanium Cathodes," *J. New Energy*, **1-3**, pp. 46-53 (1996), ISSN 1086-8259.

Korshennikov 1992, A.A. Korshennikov et al., "Observation of ^{10}He ," *Phys. Lett. B* **326** (1), 31 – 36 (1992).

Kozima 1990, H. Kozima, S. Oe, K. Hasagawa, H. Suganuma, M. Fujii, T. Onojima, K. Sekido and M. Yasuda, "Experimental Investigation of the Electrochemically Induced Nuclear Fusion," *Rep. Fac. Science, Shizuoka Univ.*, **24**, 29 (1990).

Kozima 1994, H. Kozima, "Trapped Neutron Catalyzed Fusion of Deuterons and Protons in Inhomogeneous Solids," *Trans. Fusion Technol.*, **26**, 508 - 515 (1994), ISSN 0748-1896.

Kozima 1996a, H. Kozima, "Elemental Transmutation in Biological and Chemical Systems," *Cold Fusion*, **16**, 30 (1996), ISSN 1074-5610.

Kozima 1996b, H. Kozima, M. Ohta, M. Nomura and K. Hiroe, "Another Evidence of Nuclear Transmutation," *Cold Fusion*, **18**, 12 (1996), ISSN 1074-5610.

Kozima 1997a, H. Kozima, S. Watanabe, K. Hiroe, M. Nomura, M. Ohta and K. Kaki, "Analysis of Cold Fusion Experiments Generating Excess Heat, Tritium and Helium," *J.*

Electroanal. Chem., **425**, 173 – 178 (1997).

Kozima 1997b, H. Kozima, M. Ohta and K. Kaki, “TNCF Analysis of Excess Heat, Tritium and Helium-4 Generation in Pd/D/Li Systems,” *Cold Fusion*, **24**, 51 (1997), ISSN 1074-5610.

Kozima 1997c, H. Kozima, K. Hiroe, M. Nomura and M. Ohta, “Explanation of Experimental Data of X-ray, Heat Excess and Helium-4 in PdD_x/Li System,” *Cold Fusion*, **22**, 54 – 57 (1997), ISSN 1074-5610.

Kozima 1998a, H. Kozima, *Discovery of the Cold Fusion Phenomenon – Development of Solid State-Nuclear Physics and the Energy Crisis in the 21st Century –*, Ohtake Shuppan Inc., 1998, ISBN 4-87186-044-2. The “References” in this book is posted at the Cold Fusion Research Laboratory (CFRL) Website; <http://www.geocities.jp/hjrfq930/Books/bookse/bookse.html>

Kozima 1998b, H. Kozima, K. Kaki and M. Ohta, "Anomalous Phenomenon in Solids Described by the TNCF Model," *Fusion Technol.* **33**, 52 (1998), ISSN 0748-1896..

Kozima 1998c, H. Kozima, K. Yoshimoto, H. Kudoh and K. Kaki, “Nuclear Transmutation in Ni Cathode observed by Miley et al. analyzed on TNCF Model,” *Elemental Energy (Cold Fusion)*, **27**, 42 (1998), ISSN 1074-5610.

Kozima 1998d, H. Kozima, ”Neutron Band in Solids,” *J. Phys. Soc. Japan* **67**, 3310 (1998). And also *Elemental Energy (Cold Fusion)* **28**, 30 (1998), ISSN 1074-5610.

Kozima 1998e, H. Kozima, "Elemental Transmutation in Biological and Chemical Systems", *Cold Fusion* **16**, 30 – 32 (1996), ISSN 1074-5610.

Kozima 1999a, H. Kozima, K. Arai, M. Fujii, H. Kudoh, K. Yoshimoto and K. Kaki, “Nuclear Reactions in Surface Layers of Deuterium-Loaded Solids,” *Fusion Technol.* **36**, 337 (1999), ISSN 0748-1896..

Kozima 1999b, H. Kozima, M. Fujii, M. Ohta, K. Arai, H. Kudoh and K. Kaki, ”Analysis of Energy Spectrum of Neutrons Measured in Cold Fusion Experiments on the TNCF Model,” *Il Nuovo Cimento* **112A**, 1431 (1999).

Kozima 2000a, Kozima, H., “Neutron Drop; Condensation of Neutrons in Metal Hydrides and Deuterides,” *Fusion Technol.* **37**, 253 - 258 (2000), ISSN 0748-1896..

Kozima 2000b, Kozima, H., and K. Arai, “Local Coherence, Condensation, and Nuclear Reaction of Neutrons at Crystal Boundary of Metal Hydrides (Deuterides),” *Intern. J. Hydrogen Energy*, **25**, 845 - 851 (2000), ISSN 0360-3199.

Kozima 2000c, H. Kozima, K. Arai and K. Yoshimoto, "Tritium and ⁴He data by Chien et al. confirmed the Cold Fusion Phenomenon," *Intern. J. Hydrogen Energy*, **25**, 509-511 (2000), ISSN 0360-3199.

Kozima 2000d, H. Kozima and K. Arai, “Localized Nuclear Transmutation Observed

by Bockris and Minevski Revealed a Characteristic of CF Phenomenon," *Intern. J. Hydrogen Energy* **25**, 513-516 (2000), ISSN 0360-3199.

Kozima 2000e, H. Kozima, "Electroanalytical Chemistry in Cold Fusion Phenomenon," in *Recent Research Developments in Electroanalytical Chemistry*, Edited by S.G. Pandalay, Vol. **2**, pp. 35 – 46 (2000), ISBN 81-86846-94-8.

Kozima 2001, H. Kozima, M. Ohta, M. Fujii, K. Arai and H. Kudoh, "Possible Explanation of ${}^4\text{He}$ Production in Pd/D₂ System by TNCF Model," *Fusion Technol.*, **40**, 86-90 (2001), ISSN 0748-1896.

Kozima 2002a, H. Kozima, "An Explanation of Data Sets obtained by McKubre et al. (Excess Heat), Clarke (Null Results of ${}^4\text{He}$, ${}^3\text{He}$) and Clarke et al. (Tritium) with 'Arata Cell'," *Proc. ICCF9*, pp. 182 – 185 (2002).

Kozima 2002b, H. Kozima, "Excited States of Nucleons in a Nucleus and Cold Fusion Phenomenon in Metal Hydrides and Deuterides," *Proc. ICCF9*, pp. 186 – 191 (2002).

Kozima 2002c, H. Kozima, J. Warner, C. Salas Cano and J. Dash, "Consistent Explanation of Topography Change and Nuclear Transmutation in Surface Layers of Cathodes in Electrolytic Cold Fusion Experiments," *Proc. ICCF9* pp. 178 – 181 (2002).

Kozima 2002d, H. Kozima, K. Yoshimoto, H. Kudoh, M. Fujii and M. Ohta, "Analysis of Zn and Excess Heat Generation in Pd/H₂ (D₂) System by TNCF Model," *J. New Energy* **6-3**, pp. 97 – 102 (2002), ISSN 1086-8259.

Kozima 2003a, H. Kozima, "New Neutron State in Transition-Metal Hydrides and Cold Fusion Phenomenon," *Trans. American Nucl. Society (Proc. ANS Annual Meeting)*, (June 1 - 5, 2003, San Diego, USA) pp. 615-617.

Kozima 2003b, H. Kozima, J. Warner, C. Salas Cano and J. Dash, "TNCF Model Explanation of Cold Fusion Phenomenon in Surface Layers of Cathodes in Electrolytic Experiments," *J. New Energy* **7-1**, 64-78 (2003), ISSN 1086-8259. And also H. Kozima, J. Warner, C. Salas Cano and J. Dash, "Consistent Explanation of Topography Change and Nuclear Transmutation in Surface Layers of Cathodes in Electrolytic Cold Fusion Experiments," *Proc. ICCF9* , pp. 178 – 181 (2002).

Kozima 2004a, Kozima, H., "Quantum Physics of Cold Fusion Phenomenon," *Developments in Quantum Physics Researches – 2004*, pp. 167 – 196, ed. V. Krasnoholovets, Nova Science Publishers, Inc., New York, 2004. ISBN 1-59454-003-9

Kozima 2004b, H. Kozima, "Solid State-Nuclear Physics of Cold Fusion Phenomenon," *Reports of Cold Fusion Research Laboratory (CFRL)*, **2-1**, 1 (February 2004).

<http://www.geocities.jp/hjrfq930/Books/Ssnp/SSNPofCFP.htm>

Kozima 2005a, H. Kozima, "Cold Fusion Phenomenon," *Rep. Fac. Science, Shizuoka*

University, **39**, 21 – 90 (2005). The “References” in this paper is posted at the Cold Fusion Research Laboratory (CFRL) Website;
<http://www.geocities.jp/hjrfq930/Papers/paperd/RRefFull.htm>

Kozima 2005b, H. Kozima, “CF-Matter and the Cold Fusion Phenomenon,” *Proc. ICCF10* (Aug. 24 – 29, 2003, Cambridge, MA, USA), pp. 919 – 928 (2005), ISBN 981-256-564-7. And also posted at the following pages in the CFRL Website;
<http://www.geocities.jp/hjrfq930/News/NewsPrefaces/cfmatter.htm>

Kozima 2005c, H. Kozima, "Cold Fusion Phenomenon and Solid State-Nuclear Physics," *Proc. ICCF11* (Oct 31 - Nov. 5, 2004, Marseille, France), pp. 769 – 775 (2006), ISBN 981-256-640-6. And also posted at the following pages in the CFRL Website;

<http://www.geocities.jp/hjrfq930/News/NewsPrefaces/Kozima2004.pdf>

Kozima 2005d, H. Kozima, “The Cold Fusion Phenomenon as a Complexity (1) – Complexity in the Cold Fusion Phenomenon –,” *Proc. JCF6*, pp. 72 – 77 (2005) , ISSN 2187-2260.

Kozima 2006a, *The Science of the Cold Fusion Phenomenon, – In Search of the Physics and Chemistry behind Complex Experimental Data Sets –*, 1st Edition, Elsevier, Amsterdam, 2006, ISBN-13: 978-0-08045-110-7, ISBN-10: 0-080-45110-1.

Kozima 2006b, H. Kozima, “Cold Fusion Phenomenon and Solid State Nuclear Physics,” *Proc. ICCF11*, pp. 769 – 775 (2006), ISBN 981-256-640-6.

Kozima 2007a, H. Kozima, “Physics of the Cold Fusion Phenomenon” *Proc. ICCF13*, pp. 690 – 703 (2007), ISBN 978-5-93271-428-7.

Kozima 2007b, H. Kozima, W.-S. Zhang and J. Dash ‘Precision Measurement of Excess Energy in Electrolytic System Pd/D/H₂SO₄ and Inverse-power Distribution of Energy Pulses vs. Excess Energy” *Proc. ICCF13*, 348 – 358 (2007), ISBN 978-5-93271-428-7.

Kozima 2007c, H. Kozima, “Six Sketches on Complexity and Wavefunctions in the Cold Fusion Phenomenon” *Reports of CFRL (Cold Fusion Research Laboratory)*, **5-1**, pp. 1 – 30 (2007);

<http://www.geocities.jp/hjrfq930/Papers/paperr/paperr10.pdf>

Kozima 2008a, H. Kozima, “An Explanation of Nuclear Transmutation in XLPE (Crosslinked Polyethylene) Films with and without Water Trees” *Proc. JCF8*, pp. 44 – 50 (2008), ISSN 2187-2260.

Kozima 2008b, H. Kozima, “The Cold Fusion Phenomenon as a Complexity (2) – Parameters Characterizing Cold Fusion Systems” *Proc. JCF8*, pp. 79 – 84 (2008), ISSN 2187-2260.

Kozima 2008c, H. Kozima, “The Cold Fusion Phenomenon as a Complexity (3) – Characteristics of the Complexity in the CFP,” *Proc. JCF8*, pp. 85 – 91 (2008), ISSN 2187-2260.

Kozima 2008d, H. Kozima, W.W. Zhang and J. Dash, “Precision Measurement of Excess Energy in Electrolytic System Pd/D/H₂SO₄ and Inverse-Power Distribution of Energy Pulses vs. Excess Energy,” *Proc. ICCF13*, pp. 348 – 358 (2008), ISBN 978-5-93271-428-7.

Kozima 2008e, H. Kozima, “Physics of the Cold Fusion Phenomenon,” *Proc. ICCF13* (June 25 – July 1, 2007, Dagomys, Sochi, Russia) pp. 690 – 703 (2008), ISBN 978-5-93271-428-7.

Kozima 2009, H. Kozima, “On the Methodology of the Cold Fusion Research” *Reports of Cold Fusion Research Laboratory (CFRL)* **9-5**, pp. 1 – 39 (November, 2009).

Kozima 2010a, H. Kozima, “Complexity in the Cold Fusion Phenomenon,” *Proc. ICCF14*, pp. 613 – 617 (2010), ISBN 978-0-578-06694-3.

Kozima 2010b, H. Kozima and H. Date, “Nuclear Transmutations in Polyethylene (XLPE) Films and Water Tree Generation in Them,” *Proc. ICCF14* pp. 618 – 622 (2010), ISBN 978-0-578-06694-3.

Kozima 2010c, H. Kozima, “Neutron Emission in the Cold Fusion Phenomenon,” *Proc. JCF11*, pp. 76 – 82 (2010). ISSN 2187-2260.

Kozima 2010d, H. Kozima, “Localization of Nuclear Reactions in the Cold Fusion Phenomenon,” *Proc. JCF11* pp. 59 – 69 (2011), ISSN 2187-2260.

Kozima 2011a, H. Kozima and F. Celani, “Brief Explanation of Experimental Data Set on Excess Heat and Nuclear Transmutation in Multiply Nanocoated Ni Wire,” *Proc. JCF11*, pp. 53 – 58 (2011), ISSN 2187-2260.

Kozima 2011b, H. Kozima, “Localization of Nuclear Reactions in the Cold Fusion Phenomenon,” *Proc. JCF11*, pp. 59 – 69 (2011), ISSN 2187-2260.

Kozima 2012a, H. Kozima, “Three Laws of the Cold Fusion Phenomenon and Their Physical Meaning,” *Proc. JCF12*, pp. 101 – 114 (2012), ISSN 2187-2260.

Kozima 2012b, H. Kozima and M. Tada, “Cold Fusion Phenomenon in Carbon Arc,” *Proc. JCF12*, pp. 77 – 92 (2012), ISSN 2187-2260.

Kozima 2012c, H. Kozima, “Cold Fusion Phenomenon in Open, Non-equilibrium, Multi-component Systems,” *Reports of CFRL (Cold Fusion Research Laboratory)* **12-1**, 1 – 14 (January, 2012);

<http://www.geocities.jp/hjrfq930/Papers/paperr/paperr.html>

Kozima 2013a, H. Kozima, “Characteristics of Solid-State Nuclear Track Detectors for Heavy Charged Particles – A Review,” *Proc. JCF13* **13-12**, pp. 57 – 75 (2013), ISSN

2187-2260.

Kozima 2013b, H. Kozima and M. Tada, “Emission of Charged Particles in the Cold Fusion Phenomenon,” *Proc. JCF13 13-13*, pp. 76 -107 (2013), ISSN 2187-2260.

Kozima 2013c, H. Kozima, “Cold Fusion Phenomenon in Open, Nonequilibrium, Multi-component Systems – Self-organization of Optimum Structure,” *Proc. JCF13, 13-19*, pp. 134 – 157 (2013), ISSN 2187-2260, and is posted at JCF website:

Kozima 1014a, H. Kozima, “Nuclear Transmutations (NTs) in Cold Fusion Phenomenon (CFP) and Nuclear Physics,” *Proc. JCF14:14-15*, pp. 168 - 202 (2014), ISSN 2187-2260.

Kozima 2014b, H. Kozima and K. Kaki, “Atomic Nucleus and Neutron — Nuclear Physics Revisited with the Viewpoint of the Cold Fusion Phenomenon” *Proc. JCF14: 14-5*, pp. 47 - 76 (2014), ISSN 2187-2260; <http://jcfrs.org/file/jcf14-proceedings.pdf>

Kozima 2014c, H. Kozima, “The Cold Fusion Phenomenon – What is It?” *Proc. JCF14, 14-16*, pp. 203 – 230 (2014), ISSN 2187-2260.

Kozima 2014d, H. Kozima, “Nuclear Transmutation in Actinoid Hydrides and Deuterides,” *Proc. JCF14, 14-6*, pp. 77 – 94 (2014), ISSN 2187-2260.

Kozima 2015, H. Kozima, “The Nuclear Transmutations (NTs) in Carbon-Hydrogen Systems (Hydrogen Graphite, XLPE and Microbial Cultures),” *From the History of Cold Fusion Research, 8*, pp. 1 – 23 (June 2015): <http://www.geocities.jp/hjrfq930/Papers/paperf/paperf.html>.

Kozima 2016a, H. Kozima, “From the History of CF Research – A Review of the Typical Papers on the Cold Fusion Phenomenon –, *Proc. JCF16, 16-13*, pp. 116 – 157 (2016), ISSN 2187-2260. *Proceedings of JCF16* is posted at JCF website: http://www.jcfrs.org/proc_jcf.html

Kozima 2016b, H. Kozima and K. Kaki, “The Cold Fusion Phenomenon and Neutrons in Solids,” *Proc. JCF16, 16-14*, 158 – 198 (2016), ISSN 2187-2260.

Kozima 2016c, H. Kozima, “Nuclear Transmutations in Polyethylene (XLPE) Films and Water Tree Generation in Them (2),” *Proc. JCF16, 16-17*, pp. 210 – 215 (2016), ISSN 2187-2260.

Kozima 2016d, H. Kozima, “Biotransmutation as a Cold Fusion Phenomenon,” *Proc. JCF16, 16-18*, pp. 216 – 239 (2016), ISSN 2187-2260.

Kozima 2017a, H. Kozima, T. Ohmori and M. Ohta, “Nuclear Transmutations in Critical and Supra-critical Electrolysis with C, Pd, W, Re, Pt and Au Cathodes Analyzed by the TNCF Model,” *Proc. JCF17*, pp. 89-147 (2017), ISSN 2187-2260 .

Kozima 2017b, H. Kozima, “The Sociology of the Cold Fusion Research,” *Proc. JCF17*, pp. 148-219 (2017), ISSN 2187-2260.

Kozima 2019a, H. Kozima, “Nuclear Transmutations and Stabilization of Unstable Nuclei in the Cold Fusion Phenomenon,” *Proc. JCF19* (2019) (to be submitted), ISSN 2187-2260.

Kozima 2019b, H. Kozima, “Development of the Solid State-Nuclear Physics,” *Proc. JCF19* (2019) (to be submitted), ISSN 2187-2260.

Kozima 2019c, H. Kozima, “Inductive Logic and Meta-analysis in the Cold Fusion Phenomenon,” *Proc. JCF19* (2019) (to be submitted), ISSN 2187-2260.

Kropfenstein 1998, M.K. Klopfenstein and J. Dash, “Thermal Imaging during Electrolysis of Heavy Water with a Ti Cathode,” *Proc. ICCF7*, pp. 98 – 102 (1998).

Kuhn 1962, T.S. Kuhn, *The Structure of Science Revolutions*, University of Chicago Press, Chicago, 1962, ISBN 0-226-45808-3.

Kumazawa 2005, T. Kumazawa, W. Nakagawa and H. Tsurumaru, “A Study on Behavior of Inorganic Impurities in Water Tree” *Electrical Engineering in Japan* 153, 1 – 13 (2005). (Experiment with Light Water)

Kumazawa 2006, T. Kumazawa, W. Nakagawa and H. Tsurumaru, “Experimental Study on Behavior of Bow-tie Tree Generation by Using Heavy Water” (in Japanese) *IEEJ Trans. FM*, 126, 863 – 868 (2006). (Experiment with Heavy Water)

Kumazawa 2007, T. Kumazawa and R. Taniguchi, “Detection of Weak Radiation Involving Generation and Progress of Water Tree” (in Japanese) *IEEJ Trans. FM*, 127, 89 – 96 (2007). (Experiment with Light Soft and Hard Waters)

Kumazawa 2012, T. Kumazawa, R. Taniguchi, “A Study on Detection of Weak X/ γ -ray with growth of Water Trees,” *IEEJ Transactions on Fundamental and Materials* 132, 1045 – 1052 (2012) (in Japanese).

Kushi 1994, M. Kushi, *The Philosopher’s Stone*, One Peace World Press, 1994.

Landau 1965, L.D. Landau and E.M. Lifshitz, *Quantum Mechanics*, Second Edition, Pergamon Press, Oxford, 1965. (*Section 131.*)

Leggett 1989, A.J. Leggett and G. Baym, "Exact Upper Bound on Barrier Penetration Probabilities in Many-Body Systems: Application to 'Cold Fusion',” *Phys. Rev. Letters*, **63**, 191 - 194 (1989).

Li 1991, X.Z. Li, “Chinese Effort in Understanding the ‘Cold Fusion’ Phenomena,” *Proc. ICCF2*, pp. 309 – 317 (1991).

Li 1995, X.Z. Li, “Solving the Puzzle of Excess Heat without Strong Nuclear Radiation,” *Proc. ICCF5*, pp. 285 – 292 (1995).

Li 2002, X.Z. Li, B. Liu, X.Z. Ren, J. Tian, D.X. Cao, S. Chen and G.H. Pan, “‘Super-Absorption’ – Correlation between Deuterium Flux and Excess Heat –,” *Proc.*

- ICCF9*, pp. 202 – 207 (2002).
- Liang 2004**, J.F. Liang et al. "Enhanced evaporation residue cross sections in neutron-rich radioactive ^{132}Sn and ^{64}Ni ," Nuclear Physics **A746**, 103c – 107c (2004).
- Liaw 1991**, B.Y. Liaw, P-L. Tao and B.E. Liebert, "Recent Progress on Cold Fusion Research Using Molten Salt Techniques," *Proc. ICCF2* pp. 55 - 64 (1991).
- Liaw 1993**, B.Y. Liaw, P-L. Tao and B.E. Liebert, "Helium Analysis of Palladium Electrodes after Molten Salt Electrolysis," *Fusion Technol.* **23**, 92 (1993).
- Lietz 2008**, Haiko Lietz, "Status of the Field of Condensed Matter Nuclear Science", *Working Paper*, Mittweida University, August 2008.
- Lipson 1993**, A.G. Lipson, D.M. Sakov, E.I. Saunin, V.B. Kalinin, M.A. Kolovov, B.V. Deryagin and A.A. Khodyakov, "Cold Nuclear Fusion induced in KD_2PO_4 Single Crystals by a Ferroelectric Phase Transition," *JETP* (in Russian) **76**, 1070 (1993).
- Lipson 1995**, A.G. Lipson, D.M. Sakov and E.I. Saunin, "Suppression of Spontaneous Deformation in Triglycine Sulfate Crystal ($\text{D}_{0.6}\text{H}_{0.4}$) by a Weak Neutron Flux," *JETP Lett.*, **62**, 828 (1995).
- Lipson 1996**, A.G. Lipson, D.M. Sakov and E.I. Saunin, "Heat Production, Nuclear Ashes and Electrophysical Processes in Hetero-structure $\text{PdO}/\text{Pd}/\text{PdO}$ saturated with Deuterium by Electrochemical Method," *Proc. ICCF6* (Oct. 14 - 17, 1996, Hokkaido, Japan), p.433 (1996).
- Lu 2013**, Z.-T. Lu, P. Mueller, G.W. F. Drake, W. Nörtershäuser, S.C. Pieper and Z.-C. Yan, "Colloquium: Laser probing of neutron-rich nuclei in light atoms," *Rev. Mod. Phys.*, **85**, 1383 – 1400 (2013).
- Majer 2003**, G. Majer, E. Stanik and S. Orimo, "NMR studies of hydrogen motion in nanostructured hydrogen-graphite systems" *Journal of alloys and compounds* Vol. **356-57**, 617 – 621 (2003).
- Mallove 1991**, E.F. Mallove, *Fire from Ice – Searching for the Truth behind the Cold Fusion Furor* -, John Wiley & Sons, Inc., New York, 1991, ISBN 0-471-53139-1
- Mandelbrot 1977**, B. Mandelbrot, *Fractals: Form, Chance and Dimension*, W. H. Freeman and Co. 1977.
- McKubre 1991**, M.C.H. McKubre, R. Rocha-Filho, S.I. Smedley, F.L. Tanzella, S. Crouch-Baker, T.O. Passell and J. Santucci, "Isothermal Flow Calorimetric Investigations of the D/Pd System," *Proc. ICCF2* pp. 419 - 443 (1991).
- McKubre 1993**, M.C.H. McKubre, S. Crouch-Baker, Riley, S.I. Smedley and F.L. Tanzella, "Excess Power Observed in Electrochemical Studies of the D/Pd System," *Proc. ICCF3*, pp. 5 – 19 (1993), ISBN 4-946443-12-6.
- McKubre 1994**, M.C.H. McKubre, S. Crouch-Baker, R.C. Rocha-Filho, S.I. Smedley, F.

- L. Tanzella, T. O. Passell and J. Santucci, "Isothermal Flow Calorimetric Investigations of the D/Pd and H/Pd Systems," *J. Electroanal. Chem.* **368**, 55 (1994).
- Mengoli 1991**, G. Mengoli, M. Fabrizio, C. Manduchi, G. Zannoni, L. Riccardi and A. Buffa, "Tritium and Neutron Emission in Conventional and Contact Glow Discharge Electrolysis of D₂O at Pd and Ti Cathodes," *Proc. ICCF2* pp. 65 - 70 (1991).
- Menlove 1990**, H.O. Menlove, M.M. Fowler, E. Garcia, M.C. Miller, M.A. Paciotti, R.R. Ryan and S.E. Jones, "Measurements of Neutron Emission from Ti and Pd in Pressurized D₂ Gas and D₂O Electrolysis Cells." *J. Fusion Energy* **9-4**, 495 - 506 (1990).
- Menlove 1991**, H.O. Menlove, M.A. Paciotti, T.N. Claytor and D.G. Tuggle, "Low-Background Measurements of Neutron Emission from Ti Metal in Pressurized Deuterium Gas," *Proc. ICCF2* pp. 385 - 394 (1991).
- Merton 1938**, R.K. Merton, *Science, Technology and Society in Seventeenth-Century England*, In *Osiris: Studies on the History and Philosophy of Science*, Bruges, Belgium; Saint Catherine Press, Ltd., 1938.
- Merton 1973**, R.K. Merton, *The Sociology of Science – Theoretical and Empirical Investigations*, Edited and with an Introduction by N.W. Storer, University of Chicago Press, 1973, Library of Congress Catalog Card Number: 72-97623.
- Miles 1991**, M.H. Miles, B.F. Bush, G.S. Ostrom and J.J. Lagowski, "Heat and Helium Production in Cold Fusion Experiments," *Proc. ICCF2* pp. 363 - 372 (1991).
- Miles 1993**, M.H. Miles, R.A. Hollins, B.F. Bush and J.J. Lagowski, "Correlation of Excess Power and Helium Production during D₂O and H₂O Electrolysis using Palladium Cathodes," *J. Electroanal. Chem.*, **346**, 99 (1993).
- Miles 1994**, M.H. Miles, B.F. Bush and J.J. Lagowski, "Anomalous Effects involving Excess Power, Radiation, and Helium Production during D₂O Electrolysis using Palladium Cathodes," *Fusion Technol.* **25**, 478 (1994), ISSN 0748-1896.
- Miles 1996**, M.H. Miles, K.B. Johnson and M.A. Imam, "Heat and Helium Measurements Using Palladium and Palladium Alloys in Heavy Water," *Proc. ICCF6* pp. 20 - 28 (1996).
- Miley 1996a**, G.H. Miley, G. Narne, M.J. Williams, J.A. Patterson, J. Nix, D. Cravens and H. Hora, "Quantitative Observation of Transmutation Products occurring in Thin-film Coated Microspheres during Electrolysis," *Proc. ICCF6* pp. 629 – 644 (1996).
- Miley 1996b**, G.H. Miley and J.A. Patterson, "Nuclear Transmutations in Thin-film Nickel Coatings undergoing Electrolysis," *J. New Energy* **1-3**, 5 - 30 (1996), ISSN

1086-8259..

Miley 1996c, G.H. Miley and J.A. Patterson, "Nuclear Transmutations in Thin-Film Nickel Coatings undergoing Electrolysis," *Infinite Energy*, **9**, 19 (1996).

Miley 2000a, G.H. Miley, "As an Editor of the Fusion Technology" *Fusion Technology*, **38**, iii (November 2000), ISSN 0748-1896. And also Appendix F.

Miley 2000b, G.H. Miley, "Some Personal Reflections on Scientific Ethics and the Cold Fusion 'Episode,'" *Accountability in Research*, **8**, pp. 121 – 130 (2000).

Mills 1991, R.L. Mills and S.P. Kneizys, "Excess Heat Production by the Electrolysis of an Aqueous Potassium Carbonate Electrolyte and the Implications for Cold Fusion," *Fusion Technol.* **20**, 65 (1991), ISSN 0748-1896.

Milotti 2002, Edoardo Milotti, "1/f Noise: a Pedagogical Review,"
<http://arxiv.org/ftp/physics/papers/0204/0204033.pdf>

Mizuno 1995, T. Mizuno, T. Akimoto, K. Azumi, M. Kitaichi and K. Kurokawa, "Excess Heat Evolution and Analysis of Elements for Solid State Electrolyte in Deuterium Atmosphere during Applied Electric Field," *J. New Energy* **1-1**, 79 - 86 (1995), ISSN 1086-8259..

Mizuno 1996a, T. Mizuno, "Isotopic Distribution for the Elements Evolved in Palladium Cathode after Electrolysis in D₂O Solution," *Proc. ICCF6*, pp. 665 - 669 (1996).

Mizuno 1996b, T. Mizuno, T. Ohmori and M. Enyo, "Anomalous Isotopic Distribution in Palladium Cathode after Electrolysis," *J. New Energy* **1-2**, 37 - 44 (1996), ISSN 1086-8259.

Mizuno 1996c, T. Mizuno, T. Ohmori and M. Enyo, "Isotopic Changes of the Reaction Products induced by Cathodic Electrolysis in Pd," *J. New Energy* **1-3**, 31 - 45 (1996), ISSN 1086-8259.

Mizuno 1997, T. Mizuno, T. Ohmori and M. Enyo, "Isotope Changes in the Surface of Metal and Ceramic Cathodes Induced by Electrolysis," *Symposium on the Nuclear Transmutation in Solids* (June 20, 1997, Iwate Univ., Morioka, Japan) p. 21 (1997).

Mizuno 1998, T. Mizuno, T. Ohmori and T. Akimoto, "Detection of Radiation Emission and Elements from a Pt Electrode Induced by Electrolytic Discharge in the Alkaline Solutions," *Proc. ICCF7* pp. 253 - 258 (1998).

Mizuno 2001, T. Mizuno, T. Akimoto, T. Ohmori, A. Takahashi, H. Yamada and H. Numata, "Neutron Evolution from a Palladium Electrode by Alternative Absorption Treatment of Deuterium and Hydrogen," *Jpn. J. Appl. Phys.* **40**, L989 - L991 (2001).

Mizuno 2006, T. Mizuno and Toriyabe, "Anomalous energy generation during conventional electrolysis" *Proceedings of ICCF12*, pp. 65 – 74, (2006), ISBN

981-256-901-4.

Mo 1991, D.W. Mo, Y.S. Liu, L.Y. Zhou et al., “Search for Precursor and Charged Particles in ‘Cold Fusion’” *Proc. ICCF2*, pp. 123 – 127 (1991).

Monti 1998, R. A. Monti, “Nuclear Transmutation Processes of Lead, Silver, Thorium, Uranium,” *Proc. ICCF7*, pp. 264 – 268 (1998).

Morrey 1990, J.R. Morrey, M.R. Caffee, H. Farrar, IV, N.J. Hoffman, G.B. Hudson, R.H. Jones, M.D. Kurz, J. Lupton, B.M. Oliver, B.V. Ruiz, J.F. Wacker and A. Van, "Measurements of Helium in Electrolyzed Palladium," *Fusion Technol.* **18**, 659 (1990), ISSN 0748-1896.

Morrison I, D.R.O. Morrison, *Cold Fusion News*, Nos. **1 – 23** (1989 – 1990)

Uploaded partly in the *New Energy Times* website;

<http://newenergystimes.com/v2/archives/DROM/DROM.shtml>

Morrison 1990, D.R.O. Morrison, “Review of Cold Fusion,”

CERN/PPE/5002R/DROM/gm, 27 September 1990

Morrison II, D.R.O. Morrison, *Cold Fusion Updates*, Nos. **1 – 13** (1990 – 2000)

Uploaded partly in the *New Energy Times* website;

<http://newenergystimes.com/v2/archives/DROM/DROM.shtml>

Mott 1958, N.F. Mott and H. Jones, *The Theory of the Properties of Metals and Alloys*, Dover, New York, 1958.

Nakada 1993, M. Nakada, T. Kusunoki and M. Okamoto, ”Energy of the Neutrons Emitted in Heavy Water Electrolysis,” *Proc. ICCF3* pp. 173 - 178 (1993), ISBN 4-946443-12-6.

Nakamura 1993, K. Nakamura, *Self-developing Life – A Story of Universality and Individuality* –, Tetsugaku-shobo, Tokyo, Japan, 1993, ISBN 4-88679-055-0 (In Japanese).

Nakamura 2009, T. Nakamura, et al. “Halo Structure of the Island of Inversion Nucleus ^{31}Ne ,” *Phys. Rev. Letters*, **103**, 262501 – 262504 (2009).

Negele 1973, J.W. Negele and D. Vautherin, “Neutron Star Matter at Sub-nuclear Densities,” *Nuclear Physics*, **A207**, 298 - 320 (1973).

Nicolis 1989, G. Nicolis and I. Prigogine, *Exploring Complexity – An Introduction*, Freeman and Co., New York, 1989, ISBN 0-7167-1859-6.

Noeske 2015, J. Noeske, M.R. Wasserman, D.S. Terry, R.B. Altman, S.C. Blanchard and J.H.D. Cate, “High-resolution Structure of the *Escherichia coli* ribosome,” *nature structural & molecular biology*, advance online publication, doi:10.1038/nsmb.2994, pp.

1 –7 (2015).

Noninski 1991, V. Noninski et al. "Observation of Excess Energy Effect during the Electrolysis of a Light Water Solution of K₂CO₃," *Abstract of ICCF2* (1991), (cited in [Bush 1992]).

Noninski 1992, V.C. Noninski, "Excess Heat during the Electrolysis of a Light Water Solution of K₂CO₃ with a Nickel Cathode." *Fusion Technol.*, **21**, pp. 163 – 167 (1992), ISSN 0748-1896.

Notoya 1994a, R. Notoya, T. Ohnishi and Y. Noya, "Nuclear Reaction Caused by Electrolysis in Light and Heavy Water Solution," *Transactions of Fusion Technology*, **26**, 675 (1994), ISSN 0748-1896.

Notoya 1994b; R. Notoya, Y. Noya and T. Ohnishi, "Tritium Generation and Large Excess Heat Evolution by Electrolysis in Light and Heavy Water - Potassium Carbonate Solutions with Ni Electrodes," *Fusion Technol.*, **26**, 179 (1994), ISSN 0748-1896.

Notoya 1995; R. Notoya, "Nuclear Products of Cold Fusion Caused by Electrolysis in Alkali Metallic Ions Solutions," *Proc. ICCF5*, pp. 531 - 538 (1995).

Notoya 1998, R. Notoya, T. Ohnishi and Y. Noya, Products of Nuclear Processes Caused by Electrolysis on Nickel and Platinum Electrodes in Solution of Alkali-Metallic Ions," *Proc. ICCF7* pp. 269 - 273 (1998).

Ogura 1992, Ogura, I. Awata, T. Takigawa, K. Nakamura, O. Horibe and T. Koga, "On the Carbon Arc Discharge in Water," *Chemistry Express* **7**, pp. 257 – 260 (1992) (in Japanese).

Ohmori 1996, T. Ohmori, T. Mizuno and M. Enyo, "Isotopic Distribution of Heavy Metal Elements Produced during the Light Water Electrolysis on Gold Electrode," *J. New Energy*. **1-3**, pp. 90 - 99 (1996), ISSN 1086-8259.

Ohmori 1996a, T. Ohmori and M. Enyo, "Iron Formation in Gold and Palladium Cathodes," *J. New Energy*, 1-1, pp. 15 – 19 (1996), ISSN 1086-8259.

Ohmori 1996b, T. Ohmori, T. Mizuno and M. Enyo, "Production of Heavy Metal Elements and the Anomalous Surface Structure of the Electrode Produced during the Light Water Electrolysis on Au Electrode," *Proc. ICCF6*, pp. 670 – 674 (1996), NEDO and IAE, Japan.

Ohmori 1996c, T. Ohmori, T. Mizuno and M. Enyo, "Isotopic Distribution s of Heavy Metal Elements Produced during the Light Water Electrolysis on Au Electrode," *J. New Energy*, **1-3**, pp. 90– 99 (1996), ISSN 1086-8259.

Ohmori 1997, T. Ohmori, M. Enyo, T. Mizuno, Y. Nodasaka and H. Minagawa, "Transmutation in the Electrolysis of Light Water - Excess Energy and Iron Production in a Gold Electrode," *Fusion Technol.* **31**, 210 (1997), ISSN 0748-1896.

Ohmori 1997a, T. Ohmori, T. Mizuno, H. Minagawa and M. Enyo, "Low Temperature Nuclear Transmutation forming Iron on/in Gold Electrode during Light Water Electrolysis," *Int. J. Hydrogen Energy*, **23** (5), pp. 459 – 463 (1997), ISSN 0360-3199.

Ohmori 1997b, T. Ohmori and T. Mizuno, "Low Temperature Nuclear Transmutation forming Iron on/in Gold Electrode during Light Water Electrolysis," *Current Topics in Electrochemistry*, **5**, pp. 37 – (1997), ISSN: 0972-4443.

Ohmori 1998a, T. Ohmori, T. Mizuno, Y. Nodasaka and M. Enyo, "Transmutation in a Gold-Light Water Electrolysis System," *Fusion Technol.* **33**, 367 - 382 (1998), ISSN 0748-1896.

Ohmori 1998b, T. Ohmori and T. Mizuno, "Strong Excess Energy Evolution, New Element Production and Electromagnetic Wave and/or Neutron emission in the Light Water Electrolysis with a Tungsten Cathode," *Proc. ICCF7*, pp. 279 - 284 (1998).

Ohmori 1999, T. Ohmori and T. Mizuno, "Nuclear Transmutation Reaction Caused by Light Water Electrolysis on Tungsten Cathode under Incandescent Conditions," *Infinite Energy*, **27**, pp. 34 – 39 (1999).

Ohmori 2000a, T. Ohmori, "Recent Development in Solid State Nuclear Transmutation Occurring by the Electrolysis," *Current Topics in Electrochemistry*, **7**, pp. 101 – 118 (2000), ISSN: 0972-4443. W, Re

Ohmori 2000b, T. Ohmori and T. Mizuno, "Nuclear Transmutation Reaction caused by the Light Water Electrolysis on Tungsten Cathode under an Incandescent Condition," *J. New Energy*, **4-4**, pp. 66– 78 (2000), ISSN 1086-8259.W

Ohmori 2002, T. Ohmori, S. Narita, H. Yamada, T. Mizuno and Y. Aoki, "Positive and Negative Energy Evolution and New Element Production in Critical Electrolysis with Palladium Electrode in K_2CO_3/H_2O Solution," *Proc. JCF4*, pp. 22 – 26 (2002), ISSN 2187-2260.

Ohmori 2004, T. Ohmori, T. Mizuno, H. Yamada and S. Narita, "Anomalous Isotopic Distribution of Palladium Generated during the Light Water Critical Electrolysis on Palladium Electrodes," *Proc. JCF5*, pp. 36 – 40 (2004), ISSN 2187-2260.

Ohmori 2016, T. Ohmori, "Anomalous Reactions Induced by Light and Heavy Water Electrolysis", in *New Topics in Electrochemistry Research*, Ed. M. Nunez, pp. 47 – 84, Nova science publisher, 2016, ISBN: 1-60021-015-5.

Ohno 2008, N. Ohno and M. Sasatsu Ed. *New Microbiology*, 3rd edition, Hirokawa Publishing Co., 2008 (in Japanese), ISBN 978-4-567-52055-3.

Okamoto 1994, M., H. Ogawa, Y. Yoshinaga, T. Kusunoki and O. Odawara, "Behavior of Key Elements in Pd for the Solid State Nuclear Phenomena Occurred in Heavy Water Electrolysis," *Proc. ICCF4* (Hawaii, USA, Dec. 6 — 9, 1993), Vol.3, p.14 (1994), EPRI, Palo Alto, California, USA.

Oriani 1996, R.A. Oriani, "An Investigation of Anomalous Thermal Power Generation from a Proton-Conducting Oxide," *Fusion Technol.* **30**, 281 (1996), ISSN 0748-1896.

Oya 1996, Y., H. Ogawa, T. Ono, M. Aida and M. Okamoto, "Hydrogen Isotope Effect Induced by Neutron Irradiation in Pd-LiOD (H) Electrolysis," *Proc. ICCF6*, pp. 370 – 376 (1996) published by New Energy and Industrial Technology Development Organization, The Institute of Applied Energy, Tokyo, Japan, 1996.

Packham 1989, N.J.C. Packham, K.L. Wolf, J.C. Wass, R.C. Kainthla and J.O'M. Bockris, "Production of Tritium from D₂O Electrolysis at a Palladium Cathode," *J. Electroanal. Chem.*, **270**, 451 (1989).

Paneth 1926, F. Paneth and K. Peters, "Ueber die Verwandlung von Wasserstoff in Helium," *Naturwissenschaften* **14**, 2039 – 2048 (1926).

Paneth 1928, F. Paneth and K. Peters, "Helium unter Suchungen II," *Z. Physik. Chem.*, **B1**, pp. 170 – 191 (1928).

Parwani, R. Parwani, *Complexity – A Lecture Note*, Posted at National University of Singapore website;

<http://staff.science.nus.edu.sg/~parwani/c1/node2.html>

Passell 1996, T.O. Passell, "Search for Nuclear Reaction Products in Heat-Producing Palladium," *Proc. ICCF6*, p. 282 - 290 (1996).

Passell 1998, T.O. Passell, "Search for Nuclear Reaction Products in Heat Producing Palladium," *Proc. ICCF7* pp. 309 - 313 (1998).

Patchkovskii 2005, S. Patchkovskii, J.S. Tse, S.N. Yurchenko, L. Zhechkov, T. Hine and G. Seifert, "Graphene nanostructures as Tunable Storage Media for Molecular Hydrogen," *Proc. National Academy of Science*, **102**, 10439 – 10444 (2005).

Patterson 1997, J. Patterson, "US Patent #5,607,563" *Elemental Energy (Cold Fusion)*, 22, pp. 3 – 17 (1997).

Plackett 1958, R.L. Plackett, "The Principle of the Arithmetic Mean," *Biometrika*, **45**, Issue 1-2, pp. 130–135 (1958).

Poincaré 1902, Henri Poincaré, *Science and Hypothesis*, p. 141 (1902), Translated by W.J.G., Dover Publications Inc. 1952. Library of Congress Catalog Card Number 53-13673.

Pons 1994, S. Pons and M. Fleischmann, "Heat after Death," *Trans. Fusion Technol.*, **26**, 87 - 93 (1994), ISSN 0748-1896.

Preparata 1994, G. Preparata, "Cold Fusion '93: Some Theoretical Ideas," *Trans. Fusion Technol.*, **26**, 397 – 407 (1994), ISSN 0748-1896.

Press 1978, W. H. Press, *Comments Astrophys.*, **7**, 103 (1978).

Prigogine 1996, I. Prigogine, *The End of Certainty – Time, Chaos and the New Laws of Nature*, The Free Press, New York, 1996, ISBN 0-684-83705-6.

Puska 1984, M.J. Puska and R.M. Nieminen, "Theory of Hydrogen and Helium Impurities in Metals," *Phys. Rev.* **29B**, 5382 - 5397 (1984).

Qiao 1997, G.S. Qiao, X.M. Han, L.C. Kong and X.Z. Li, "Nuclear Transmutation in a Gas-Loading H/Pd System," *J. New Energy*, **2-2**, pp. 48 – 52 (1997), ISSN 1086-8259.

Riisager 1994, K. Riisager, "Neutron Halo States" *Rev. Mod. Phys.* **68**, 1106 – 1116 (1994).

Romodanov 1995, V.A. Romodanov, V.I. Savin and Ya.B. Skuratnik, "Nuclear Fusion in a Solid," *J. Tech. Phys.* **61**, 122 (1995).

Romodanov 1996, V.A. Romodanov, V.I. Savin and Ya.B. Skuratnik, "Nuclear Reactions at Effect of Deuterium Ions on Ceramic Materials form Plasmas of Glow Discharge," *Proc. ICCF6*, pp. 590 – 594 (1996).

Romodanov 1998, V.A. Romodanov, V.I. Savin, Ya.B. Skuratnik and V.N. Majorov, "Tritium Generation in Metals at Thermal Activation," *Proc. ICCF7*, pp. 319 - 324 (1998).

Romodanov 2000, V.A. Romodanov, Ya.B. Skuratnik and A.L. Pokrovsky, "Generation of Tritium for Deuterium Interaction with Metals," *Proc. ICCF8* pp. 265 - 268 (2000).

Rundle 1947, R.E. Rundle, "The Structure of Uranium Hydride and Deuteride," United State Atomic Commission MDDC-865, pp. 1 - 9 (1947).

Sahin 2015, E. Sahin and 73 others, "Shell Evolution Beyond N = 40: $^{69,71,73}\text{Cu}$," *Phys. Rev.*, **C91**, 0343021-1 – 9 (2015).

Sagawa 1992, H. Sagawa, "Density Distribution of Halo Nuclei," *Phys. Lett.* **B286 (1)**, 7 – 12 (1992).

Sato 1991, T. Sato, M. Okamoto, P. Kim, Y. Fujii and O. Aizawa, "Detection of

Neutrons in Electrolysis of Heavy Water," *Fusion Technol.*, **19**, 357 (1991), ISSN 0748-1896.

Sapogin 1994, L. Sapogin, "Unitary Quantum Theory," *Proc. ICCF4*, Vol. 4, pp. 17-1 – 17-11 (1994).

Savvatimova 1994, I.B. Savvatimova, Y.R. Kucherov, and A.B. Karabut, "Cathode Material Change after Deuterium Glow Discharge Experiment," *Trans. Fusion Technol.*, **26**, 389 – 394 (1994) , ISSN 0748-1896.

Schweber 1993, Schweber, "Physics, Community and the Crisis in Physical Theory," *Physics Today*, **46-11**, 34 (1993).

Schwinger 1994, J. Schwinger, "Cold Fusion Theory – A Brief History of Mine –," *Trans. Fusion Technol.*, pp. xiii – xxi (1994) , ISSN 0748-1896.

Shani 1989, G. C. Cohen, A. Grayevsky and S. Brokman, "Evidence for a Background Neutron Enhanced Fusion in Deuterium Absorbed Palladium," *Solid State Comm.* **72**, 53 (1989).

Shangxian 1991, J. Shangxian, Z. Fuxiang, Y. Decheng and W. Bailu, "Anomalous Nuclear Effects in Deuterium Palladium Systems," *Proc. ICCF2*, pp. 145 – 149 (1991).

Sharp 2013, D.K. Sharp and 19 others, "Neutron Single-particle Strength outside the N=50 Core," *Phys. Rev.*, **C 87**, 014312-1 – 11 (2013).

Shavely 1949, C.A. Shavely and D.A. Vaughan, "Unit Cell Dimension of Face-centered Cubic Chromium Hydride and Space Groups of Two Chromium Hydrides," *J. Am. Chem. Soc.*, **71**, 313 - 314 (1949).

Schottky 1926, W. Schottky, *Phys. Rev.*, **28**, 74 (1926).

Silver 1993, D.S. Silver, J. Dash and P.F. Keefe, "Surface Topography of a Palladium Cathode after Electrolysis in Heavy Water," *Fusion Technol.*, **24**, pp. 423 – 430 (1993), ISSN 0748-1896.

Singh 1994, M. Singh, M.D. Saksena, V.S. Dixit and V.B. Kartha, "Verification of the George Osawa Experiment for Anomalous Production of Iron from Carbon Arc in Water," *Fusion Technol.* **26**, 266 – 270 (1994), ISSN 0748-1896.

Smedley 1993, S.I. Smedley, S. Crouch-Baker, M.C.H. McKubre and F.L. Tanzella, "The January 2, 1992, Explosion in a Deuterium/Palladium Electrolytic System at SRI International" *Proc. ICCF3*, pp. 139 – 151 (1993), ISBN 4-946443-12-6.

Smith 2002, D.A. Smith, J.D. Bowman, B.E. Crawford, C.A. Grossmann, et al. *Phys. Rev.*, **C65**, 035503-1 - 9 (2002) and papers cited herein.

Sorum 1955, C.H. Sorum, *Fundamentals of General Chemistry*, 2nd Edition, Prentice-Hall, Inc., 1955. Library of Congress catalog card number 63-9842/

Springer 1978, T. Springer, "Investigation of Vibrations in Metal Hydrides by Neutron

spectroscopy," in G. Alefeld and J. Voelkl ed., *Hydrogen in Metals I*, p. 75 - 100, Springer-Verlag, Berlin, 1978.

Srinivasan 1990, (See **Iyengar 1990a**), M. Srinivasan, R.K. Rout, S.C. Misra, M. Lai, A. Shyam, P.S. Rao and P.K. Iyengar, "Observation of High Tritium Levels in Aged Deuterated Titanium Targets as Possible Evidence of Cold Fusion," *Fusion Technol.* **18**, 88 (1990), ISSN 0748-1896.

Stella 1993, B. Stella, M. Corradi, F. Ferrarottao, V. Miloone, F. Celani and A. Spallone, "Evidence for Stimulated Emission of Neutrons in Deuterated Palladium," *Frontiers of Cold Fusion (Proc. ICCF3)* (1992, Nagoya, Japan), p. 437 – 440 (1993), ISBN 4-946443-12-6.

Storms 2000, E. Storms, "Excess Power Production from Platinum Cathodes using the Pons-Fleischmann Effect," *Proc. ICCF8* pp. 55 - 61 (2000).

Storms 2007, E. Storms, *The Science of Low Energy Nuclear Reaction – A Comprehensive Compilation of Evidence and Explanations about Cold Fusion –*, World Scientific, Singapore, 2007, ISBN-10 981-270-620-8.

Stroberg 2015, S.R. Stroberg and 18 others, "Neutron Single-particle Strength in Silicon Isotopes: Constraining the Driving Forces of Shell Evolution," arXiv: 1504.02329v1 [nucl-ex] 9 Apr. 2015.

Strogatz 1994, S.H. Strogatz, *Nonlinear Dynamics and Chaos*, Westview, 1994. ISBN-10 0-7382-0453-6, p. 398

Suess 1956, H.E. Suess and H.C. Urey, "Abundances of the Elements," *Rev. Mod. Phys.* **28**, pp. 53 – 74 (1956).

Sugimoto 1982, H. Sugimoto and Y. Fukai, "Energy and Wave Functions of Interstitial Hydrogen in fcc and bcc Metals," *J. Phys. Soc. Japan* **51** (8), pp. 2554 – 2561 (1982), ISSN 0031-9015.

Sundaresan 1994, R. Sundaresan and J.O'M. Bockris, "Anomalous Reactions during Arcing between Carbon Rods in Water," *Fusion Technol.* **26**, 261 – 265 (1994), ISSN 0748-1896.

Sussmann 1972, J.A. Sussmann and Y. Weissman, "Application of the Quantum Theory of Diffusion to H and D in Niobium," *Phys. Stat. Sol.* **B53**, 419 - 429 (1972).

Suzuki 1995, T. Suzuki, H. Geissel, O. Bochkarev, et al., "Neutron Skin of Na Isotopes Studied via Their Interaction Cross Sections," *Phys. Rev. Lett.* **75**, 3241 (1995).

Szpak 1999, S. Szpak, P.A. Mosier-Boss and M.H. Miles, "Polarized D + D Codeposition," *Fusion Technol.*, **36**, 234 – 241 (1999), ISSN 0748-1896.

Szpak 2005, S. Szpak, P.A. Mosier-Boss, C. Young and F.E. Gordon, "The Effect of an External Electric Field on Surface Morphology of Co-deposited Pd/D Films," *J.*

Electroanal. Chem., pp. 284 – 290 (2005).

Szpak 2006, S. Szpak, P.A. Mosier-Boss, J. Dea and F. Gordon, “Polarized /Pd-D₂O System: Hot Spots and ‘Mini-Explosions’,” *Proc. ICCF10*, pp. 13 – 22 (2006).

Szpak 2010, S. Szpak, P.A. Mosier-Boss, F. Gordon, J. Dea, J. Khim and L. Forsley, “APAWAR Systems Center-Pacific Pd;D Co-Deposition Research: Overview of Refereed LENR Publications,” *Proc. ICCF14*, pp. 772 – 777 (2010).

Takahashi 1991, A. Takahashi, T. Iida, T. Takeuchi, A. Mega, S. Yoshida and M. Watanabe, "Neutron Spectra and Controllability by PdD/Electrolysis Cell with Low-High Pulse Operation," *Proc. ICCF2* pp. 93 - 98 (1991).

Takahashi 1995, R. Takahashi, “Synthesis of Substance and Generation of Heat in Charcoal Cathode in Electrolysis of H₂O and D₂O using Various Alkali hydroxides,” *Proc. ICCF5*, pp. 619 – 622 (1995).

Tanaka 2010, K. Tanaka, et al., “Observation of a Large Reaction Cross Section in the Drip-Line Nucleus ²²C,” *Phys. Rev. Letters*, **104**, 062701 – 062704 (2010).

Taniguchi 2008, R. Taniguchi and T. Kumazawa, “Measurement of Radiation Emission Associated with Growth of Water Trees – (8) Analysis of Induced Radioactivity” *Proc. 2008 Fall Meeting of the Atomic Energy Society of Japan*, H16 (2008 – 9) (in Japanese).

Tanihata 1992, I. Tanihata, T. Kobayashi, T. Suzuki, K. Yoshida, S. Shimoura, K. Sugimoto, K. Matsuta, T. Minamisono, W. Christie, D. Olson and H. Wieman, ”Determination of the Density Distribution and the Correlation of Halo Neutrons in ¹¹Li,” *Phys. Lett.* **B287**, 307 (1992).

Taubes 1993, G., *Bad Science—The Short Life and Weird Times of Cold Fusion*, Random House Inc., New York, USA, 1993. ISBN 0-394-58456-2

Tian 2002, J. Tian, X.Z. Li, W.Z. Yu, M.Y. Mei and D.X. Cao, "Excess Heat and 'Heat after Death' in a Gas-Loading Hydrogen/Palladium System," *Proc. of ICCF9* pp. 360 – 366 (2002).

Tsukada 1966, K. Tsukada, S. Tanaka, M. Maruyama and Y. Tomita, ”Energy Dependence of the Nuclear Level Density below the Neutron Binding Energy,” *Nuclear Physics* **78**, 369 (1966).

Tsutani 2003, K. Tsutani, “Examination of Evidence in EBM,” *Therapeutic Research*, **24**, No. 8, pp. 1415 – 1422 (2003) (in Japanese).

Tuggle 1994, D.G. Tuggle, T.N. Claytor and S.F. Taylor, "Tritium Evolution from Various Morphologies of Deuterided Palladium," *Proc. ICCF4* **1**, 7-2 (1993).

Utsuno 2014, Y. Utsuno, T. Otsuka, N. Shimizu, M. Honma, T. Mizusaki, Y. Tsunoda and T. Abe, “Recent Shell-Model Results for Exotic Nuclei,” EPJ Web of Conferences, **66**, 02106 (2014). DOI: 10.1051/ epjconf/ 20146602106.

Voelkl 1978, J. Voelkl and G. Alefeld, “Diffusion of Hydrogen in Metals,” in G. Alefeld, J. Voelkl (eds.): *Hydrogen in Metals I, Basic Properties*. Topics in Applied Physics, Vol. 28 (Springer, Berlin, Heidelberg, New York 1978) pp. 321 – 348 (1978).

Vysotskii 1996, V.I. Vysotskii, A.A. Kornilova and I.I. Samoylenko, “Experimental Discovery of the Phenomenon of Low-Energy Nuclear Transmutation of Isotopes ($^{55}\text{Mn} \rightarrow ^{57}\text{Fe}$) in Growing Biological Cultures,” *Proc. ICCF6*, pp. 687 – 693 (1996).

Vysotskii 2000, V.I. Vysotskii, A.A. Kornilova, I.I. Samoylenko and G.A. Zykov, “Experimental Observation and Study of Controlled Transmutation of Intermediate Mass Isotopes in Growing Biological Cultures,” *Proc. ICCF8*, pp. 135 – 140 (2000).

Vysotskii 2007, V.I. Vysotskii, A.A. Kornilova and A.B. Tashyrev, “Investigation of Memory Phenomena in Water and Study of Isotopes Transmutation in Growing Biological Systems Containing Activated Water,” *Proc. ICCF13*, pp. 477 – 497 (2007).

Vysotskii 2009a, V.I. Vysotskii and A.A. Kornilova, *Nuclear Transmutation of Stable and Radioactive Isotopes in Growing Biological Systems*, Pentagon Press, India, 2009.

Vysotskii 2009b, V.I. Vysotskii and A.A. Kornilova, ”Nuclear Transmutation of Isotopes in Biological Systems (History, Models, Experiments, Perspectives), *Journal of Scientific Exploration*, **23**, pp. 496-500 (2009)

Vysotskii 2013, V.I. Vysotskii and A.A. Kornilova, ”Transmutation of Stable Isotopes and Deactivation of Radioactive Waste,” *Annals of Nuclear Energy* **62**, 626–633 (2013).

Vysotskii 2015, V.I. Vysotskii and A.A. Kornilova, ”Microbial Transmutation of Cs-137 and LENR in growing biological systems,” *Current Science* **108**, 142-146 (2015).

Vysotskii 2015a, V.I. Vysotskii and M.V. Vysotskyy, “Coherent Correlated States of Interacting Particles –the Possible Key to Paradoxes and Features of LENR,” *Current Science*, **108**, 524 –531 (2015).

Vysotskii 2015b, V.I. Vysotskii and A.A. Kornilova, “Microbial Transmutation of Cs-137 and LENR in Growing Biological Systems,” *Current Science*, **108**, 636 –641 (2015).(increasing decay rate of Cs-137 isotope)

Waldrop 1992, M.M. Waldrop, *Complexity – The Emerging Science at the Edge of Order and Chaos*, Simon and Schuster, N.Y. 1992, ISBN 0-671-76789-5. p. 305.

Walker 2008, E. Walker, A.V. Hernandez and M.W. Kattan, “Meta-analysis: Its strengths and limitations”. *Cleve. Clinic. J. Med.* **75** (6): 431–9, (2008),

[PMID 18595551.](#)

Wang K.L. 1991, K.L. Wang, X.Z. Li, S.Y. Dong et al., "Search for Better Materials for Cold Fusion Experiment using CR-39 Detector," *Proc. ICCF2*, pp. 163 – 168 (1991).

Wang S.C. 1991, S.C. Wang, T.S. Kang, K.L. Wang et al., "Identification of the Energetic Charged Particles in Gas-Loading Experiment of 'Cold Fusion' Phenomena," *Proc. ICCF2*, pp. 169 – 173 (1991).

Ward 2007, L.M. Ward and P.E. Greenwood, "1/f Noise," *Scholarpedia*, **2**(12), 1537 (2007).

Weber 1904, Max Weber, *The protestant Ethic and the Spirit of Capitalism* (original - 1904 to 1905, translation - 1930).

Weisskopf 1950, V.F. Weisskopf, "Compound nucleus and Nuclear Resonances," *Helv. Phys. Acta*, **23**, 187 - 200 (1950).

Wicke 1978, E. Wicke and H. Brodowsky, "Hydrogen in Palladium and Palladium Alloys," in G. Alefeld and J. Voelkl ed., *Hydrogen in Metals II*, pp. 73 - 1558, Springer-Verlag, Berlin, 1978.

Wiedenhover 2007, I. Wiedenhover, "Exotic Nuclei," *Lecture note given at National Nuclear Physics Summer School*, 7/16/2007 Tallahassee, Florida.

Widom 2006, A. Widom and L. Larsen, "Ultra Low Momentum Neutron Catalyzed Nuclear Reactions on Metallic Hydrides Surfaces," *European Physics Journal C*
DOI 10.1140/epjc/s2006-02479-8.

Yamada 1996; H. Yamada, H. Nonaka, A. Dohi, H. Hirahara, T. Fujihara, X. Li and A. Chiba, "Carbon Production on Palladium Point Electrode with Neutron Burst under DC Glow Discharge in Pressurized Deuterium Gas," *Proc. ICCF6*, pp. 610 - 614 (1996).

Yamada 2000; H. Yamada, S. Narita, I. Inamura, M. Nakai, K. Iwasaki and M. Baba, "Tritium Production in Palladium Deuteride/Hydride in Evacuated Chamber," *Proc. ICCF8* pp. 241 - 246 (2000).

Yamada 2002, H. Yamada, S. Narita, Y. Fujii, T. Sato, S. Sasaki and T. Omori, "Production of Ba and Several Anomalous Elements in Pd under Light Water Electrolysis," *Proc. of ICCF9* pp. 420 – 423 (2002).

Yamaguchi 1992, E. Yamaguchi and T. Nishioka, "Cold Nuclear Fusion induced by Controlled Out-diffusion of Deuterons in Palladium," *Jpn. J. Appl. Phys.*, **29**, L666 (1992).

Yamaguchi 1993, E. Yamaguchi and T. Nishioka, "Direct Evidence for Nuclear Fusion Reactions in Deuterated Palladium," *Proc. ICCF3* (October 21 - 25, 1992, Nagoya, Japan), pp.179 – 188 (1993), ISBN 4-946443-12-6.

Yeh 1988, P. Yeh, *Optical Waves in Layered Media*, John Wiley & Sons, New York, 1988.

Yuhimchuk 1992, A.A. Yuhimchuk, V.I. Tichonov, S.K. Grishechkin, N.S. Ganchuk, B.Ya. Gujofskii, Yu.I. Platnikov, Yu.A. Soloviev, Yu.A. Habarov, A.B. Levkin, "Registration of Neutron Emission in Thermocycle of Vanadium Deuterides," (in Russian) *Kholodnyi Yadernyi Sintez*, p. 57, ed. R. N. Kuz'min, Sbornik Nauchnykh Trudov (Kariningrad) 1992.

Zhang 1993, X. Zhang, W-S. Zhang, D. Wang, S. Chen, Y. Fu, D. Fan and W. Chen, "On the Explosion in a Deuterium/Palladium Electrolytic System, "Proc. ICCF3, p. 381 – 384 (1993), ISBN 4-946443-12-6.

Zhang 2008, W.S. Zhang and J. Dash, "Excess Heat Reproducibility and Evidence of Anomalous Elements after Electrolysis in Pd/D₂O+H₂SO₄ Electrolytic Cells," *Proc. ICCF13*, pp. 202 – 216 (2008), ISBN 978-0-578-06694-3.

Zdenek 2006, Zdenek Dlouhy, "Structure and Properties of Exotic Nuclei using Radioactive Nuclear Beams," (doctoral theses), Praha, Listopad, 2006.

Zukai 1974, Zukai Genshiryoku Yogo Ziten (Illustrated Dictionary of Atomic Power Terms, in Japanese) Nikkan Kogyo Shinbunsha, Tokyo, Showa 49 (1974).