

References

1. E. K. Storms, *The science of low energy nuclear reaction*. (World Scientific, Singapore, 2007), pp. 312 pages.
2. E. K. Storms, T. W. Grimshaw, Judging the Validity of the Fleischmann–Pons Effect. *J. Cond. Matter Nucl. Sci.* **3**, 9-30 (2010).
3. M. Fleischmann, S. Pons, M. Hawkins, Electrochemically induced nuclear fusion of deuterium. *J. Electroanal. Chem.* **261**, 301-308 and errata in Vol. 263, 187-188 (1989).
4. B. Simon, *Undead science: Science studies and the afterlife of cold fusion*. (Rutgers University Press, New Brunswick, NJ, 2002), pp. 252.
5. C. G. Beaudette, *Excess heat. Why cold fusion research prevailed*. (Oak Grove Press (Infinite Energy, Distributor), Concord, NH, 2000), pp. 365 pages.
6. E. Mallove, *Fire from ice*. (John Wiley, NY, 1991).
7. P. A. Mosier-Boss, F. P. G. Forsley, F. Gordon, How the Flawed Journal Review Process Impedes Paradigm Shifting Discoveries. *J. Cond. Matter Nucl. Sci.* **12**, 1-12 (2013).
8. C. L. Frazier, Proceedings of New Energy Conference Rejected by Publisher. *Infinite Energy* **95**, 1 (2011).
9. V. A. Chechin, V. A. Tsarev, M. Rabinowitz, Y. E. Kim, Critical review of theoretical models for anomalous effects in deuterated metals. *Int. J. Theo. Phys.* **33**, 617-670 (1994).
10. J. Rothwell, *Cold fusion and the future*. (www.LENR.org, 2007).
11. E. Storms, Some thoughts on the nature of the nuclear-active regions in palladium, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 105.
12. E. K. Storms, The nature of the energy-active state in Pd-D. *Infinite Energy*, 77 (1995).
13. E. K. Storms, Why cold fusion has been so hard to explain and duplicate, Presented at the American Physical Society Winter Meeting, Austin Convention Center, Austin, TX, 2003.
14. K. C. Jordan, B. C. Blanke, W. A. Dudley, Half-life of tritium. *J. Inorg. Nucl. Chem.* **29**, 2129 (1967).
15. R. R. Adzic, D. Gervasio, I. Bae, B. Cahan, E. Yeager, Tritium measurements and deuterium loading in D₂O electrolysis with a palladium cathode, in The First Annual Conference on Cold Fusion, Ed: F. Will, (National Cold Fusion Institute, University of Utah Research Park, Salt Lake City, Utah, 1990), 261.
16. D. A. Corrigan, E. W. Schneider, Tritium separation effects during heavy water electrolysis: implications for reported observations of cold fusion. *J. Electroanal. Chem.* **281**, 305 (1990).
17. P. G. Sona, F. Parmigiani, F. Barberis, A. Battaglia, R. Berti, G. Buzzanca, A. Capelli, D. Capra, M. Ferrari, Preliminary tests on tritium and neutrons in cold nuclear fusion within palladium cathodes. *Fusion Technol.* **17**, 713 (1990).
18. E. Brillas, G. Sardin, J. Casado, X. Doménech, J. Sánchez, Product analysis from D₂O electrolysis with palladium and titanium cathodes, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 9.
19. J. Sevilla, B. Escarpizo, F. Fernandez, F. Cuevas, C. Sanchez, Time-evolution of tritium concentration in the electrolyte of prolonged cold fusion experiments and its relation to Ti cathode surface treatment, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 507.
20. G. R. Boucher, F. E. Collins, R. L. Matlock, Separation factors for hydrogen isotopes on palladium. *Fusion Technol.* **24**, 200 (1993).
21. D. Hodko, J. Bockris, Possible excess tritium production on Pd codeposited with deuterium. *J. Electroanal. Chem.* **353**, 33 (1993).
22. S. Szpak, P. A. Mosier-Boss, R. D. Boss, J. J. Smith, On the behavior of the Pd/D system: evidence for tritium production. *Fusion Technol.* **33**, 38 (1998).
23. Y. Iwamura, T. Itoh, I. Toyoda, Observation of anomalous nuclear effects in D₂-Pd system. *Trans. Fusion Technol.* **26**, 160-164 (1994).

24. T. N. Claytor, M. J. Schwab, D. J. Thoma, D. F. Teter, D. G. Tuggle, Tritium production from palladium alloys, in *The Seventh International Conference on Cold Fusion*, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 88-93.
25. D. D. Afonichev, E. G. Galkin, On the products of nucleus reactions formed during deuterium diffusion through palladium membrane, in *15th International Conference on Condensed Matter Nuclear Science*, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 237-239.
26. P. K. Iyengar, M. Srinivasan, "BARC studies in cold fusion," (BARC, India, Bombay, 1989), B.A.R.C. 1500.
27. V. A. Romodanov, V. Savin, V. Elksnin, Y. Skuratnik, Reproducibility of tritium generation from nuclear reactions in condensed matter, in *Fourth International Conference on Cold Fusion*, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 3, 15.
28. V. A. Romodanov, Y. B. Skuratnik, A. K. Pokrovsky, Generation of tritium for deuterium interaction with metals, in *8th International Conference on Cold Fusion*, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 265.
29. V. A. Romodanov, Tritium generation during the interaction of plasma glow discharge with metals and a magnetic field, in *Tenth International Conference on Cold Fusion*, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 325-352.
30. T. Itoh, Y. Iwamura, N. Gotoh, I. Toyoda, Observation of nuclear products under vacuum conditions from deuterated palladium with high loading ratio, in *5th International Conference on Cold Fusion*, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 189-196.
31. B. W. Clarke, B. M. Oliver, M. C. H. McKubre, F. L. Tanzella, P. Tripodi, Search for ^3He and ^4He in Arata-style palladium cathodes II: Evidence for tritium production. *Fusion Sci. & Technol.* **40**, 152-167 (2001).
32. W. B. Clarke, B. M. Oliver, Response to "Comments on 'Search for ^3He and ^4He in Arata-Style Palladium Cathodes II: Evidence for Tritium Production" (Lett. to Ed);. *Fusion Sci. Technol.* **41**, 153 (2002).
33. W. B. Clarke, B. M. Oliver, Response to "Comments on 'Search for ^3He and ^4He in Arata-style palladium cathodes I: A negative result' and 'search for ^3He and ^4He in Arata-style palladium cathodes II: Evidence for tritium production'". *Fusion Sci. & Technol.* **43**, 135 (2003).
34. M. C. H. McKubre, F. L. Tanzella, P. Tripodi, P. L. Hagelstein, The emergence of a coherent explanation for anomalies observed in D/Pd and H/Pd system: evidence for ^4He and ^3He production, in *8th International Conference on Cold Fusion*, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 3-10.
35. Y. Arata, Y. C. Zhang, Helium (^4He , ^3He) within deuterated Pd-black. *Proc. Jpn. Acad., Ser. B* **73**, 1 (1997).
36. N. J. C. Packham, K. L. Wolf, J. C. Wass, R. C. Kainthla, J. O. M. Bockris, Production of tritium from D_2O electrolysis at a palladium cathode. *J. Electroanal. Chem.* **270**, 451 (1989).
37. J. O. M. Bockris, Addition to 'A review of the investigations of the Fleischmann-Pons phenomena'. *Fusion Technol.* **18**, 523 (1990).
38. J. O. M. Bockris, G. H. Lin, R. C. Kainthla, N. J. C. Packham, O. Velev, Does tritium form at electrodes by nuclear reactions?, in *The First Annual Conference on Cold Fusion*, Ed: F. Will, (National Cold Fusion Institute, University of Utah Research Park, Salt Lake City, Utah, 1990), 137.
39. G. H. Lin, R. C. Kainthla, N. J. C. Packham, J. O. M. Bockris, Electrochemical fusion: a mechanism speculation. *J. Electroanal. Chem.* **280**, 207 (1990).
40. G. H. Lin, R. C. Kainthla, N. J. C. Packham, O. A. Velev, J. Bockris, On electrochemical tritium production. *Int. J. Hydrogen Energy* **15**, 537 (1990).
41. J. Bockris, C. Chien, D. Hodko, Z. Minevski, Tritium and helium production in palladium electrodes and the fugacity of deuterium therein, in *Third International Conference on Cold Fusion, "Frontiers of Cold Fusion"*, Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 231-240.
42. C.-C. Chien, D. Hodko, Z. Minevski, J. O. M. Bockris, On an electrode producing massive quantities of tritium and helium. *J. Electroanal. Chem.* **338**, 189-212 (1992).
43. E. K. Storms, C. L. Talcott, Electrolytic tritium production. *Fusion Technol.* **17**, 680 (1990).

44. G. Taubes, *Bad science. The short life and weird times of cold fusion*. (Random House, NY, 1993), pp. 503.
45. O. Reifenschweiler, Cold fusion and decrease of tritium radioactivity. *LENR-CANR.org*, (2003).
46. O. Reifenschweiler, Reduced radioactivity of tritium in small titanium particles. *Phys. Lett. A* **184**, 149 (1994).
47. O. Reifenschweiler, Some experiments on the decrease of radioactivity of tritium sorbed by titanium, in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 163.
48. O. Reifenschweiler, Some experiments on the decrease of tritium radioactivity. *Fusion Technol.* **30**, 261 (1996).
49. O. Reifenschweiler, About the possibility of decreased radioactivity of heavy nuclei. *Fusion Technol.* **31**, 291 (1997).
50. E. K. Storms. (1990) Letter to *Science* (not published).
51. N. Hoffman, *A dialogue on chemically induced nuclear effects. A guide for the perplexed about cold fusion*. (American Nuclear Society, La Grange Park, Ill, 1995).
52. E. K. Storms, C. Talcott-Storms, The effect of hydriding on the physical structure of palladium and on the release of contained tritium. *Fusion Technol.* **20**, 246 (1991).
53. J. Kopecky, "Atlas of neutron capture cross sections," (International Nuclear Data Committee, IAEA, Petten, Netherlands, 1997).
54. P. Jung, Ed., *Diffusion and Clustering of Helium in Noble Metals*, (Plenum Press, NY, 1991), pp. 59.
55. J. Xia, W. Hu, J. Yang, B. Ao, X. Wang, A comparative study of helium atom diffusion via an interstitial mechanism in nickel and palladium. *Phys. Stat. Sol. B* **243B**, 579-583 (2006).
56. G. C. Abell, L. K. Matson, R. H. Steinmeyer, R. C. Bowman Jr., B. M. Oliver, Helium release from aged palladium tritide. *Phys. Rev. B: Mater. Phys.* **41**, 1220 (1990).
57. W. J. Camp, Helium detrapping and release from metal tritides. *J. Vac. Sci. Technol.* **14**, 514-517 (1977).
58. M. Miles, B. F. Bush, J. J. Lagowski, Anomalous effects involving excess power, radiation, and helium production during D₂O electrolysis using palladium cathodes. *Fusion Technol.* **25**, 478 (1994).
59. M. C. McKubre, Reproducibility of LENR reactions, Presented at the ARL Workshop, Adelphi, MD, 2010.
60. E. K. Storms, The status of cold fusion (2010). *Naturwissenschaften* **97**, 861 (2010).
61. T. O. Passell, Search for nuclear reaction products in heat-producing palladium, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 282.
62. S. Krivit, Nuclear phenomena in low-energy nuclear reaction research. *Naturwissenschaften* **100**, 899-900 (2013).
63. E. K. Storms, Efforts to explain low-energy nuclear reactions. *Naturwissenschaften* **100**, 1103 (2013).
64. A. Widom, L. Larsen, Theoretical standard model rates of proton to neutron conversions near metallic hydride surfaces. *arXiv:cnucl-th/0608059v2*, (2007).
65. Y. N. Srivastava, A. Widom, L. Larsen, A primer for electro-weak induced low energy nuclear reactions, in *Low-Energy Nuclear Reactions Sourcebook Volume 2*, J. Marwan, S. Krivit, Eds. (Oxford University Press, 2009).
66. Y. Arata, Y. C. Zhang, Anomalous production of gaseous ⁴He at the inside of 'DS cathode' during D₂O-electrolysis. *Proc. Jpn. Acad., Ser. B* **75**, 281 (1999).
67. M. C. McKubre, F. Tanzella, Cold fusion, LENR, CMNS, FPE: One perspective on the state of the science based on measurements made at SRI. *J. Cond. Matter Nucl. Sci.* **4**, 32-44 (2011).
68. T. O. Passell, Pd110/Pd108 ratios and trace element changes in particulate palladium exposed to deuterium gas, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 399-401.
69. Y. Arata, Y. C. Zhang, Definite difference among [DS-D₂O], [DS-H₂O] and [Bulk-D₂O] cells in the deuterization and deuterium-reaction, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 11.

70. B. F. Bush, J. J. Lagowski, "Trace elements added to palladium by electrolysis in heavy water," *EPRI TP-108743* (EPRI, 1999).
71. M. Miles, Correlation of excess enthalpy and helium-4 production: A review, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 123-131.
72. G. L. Wendt, C. E. Irion, Experimental attempts to decompose tungsten at high temperatures. *Science* **55**, 422 (1922).
73. F. Paneth, K. Peters, On the transmutation of hydrogen to helium. *Naturwissenschaften* **14**, 956-962 (in German) (LA-TR-989-914) (1926).
74. F. Paneth, Neuere Versuche über die Verwandlung von Wasserstoff in Helium. *Naturwissenschaften* **15**, 379-379 (1927).
75. D. Albagli, R. Ballinger, V. Cammarata, X. Chen, R. M. Crooks, C. Fiore, M. P. J. Gaudreau, I. Hwang, C. K. Li, P. Linsay, S. C. Luckhardt, R. R. Parker, R. D. Petraso, M. O. Schloh, K. W. Wenzel, M. S. Wrighton, Measurement and analysis of neutron and gamma-ray emission rates, other fusion products, and power in electrochemical cells having Pd cathodes. *J. Fusion Energy* **9**, 133 (1990).
76. A. Alessandrello, E. Bellotti, C. Cattadori, C. Antonione, G. Bianchi, S. Rondinini, S. Torchio, E. Fiorini, A. Guiliani, S. Ragazzi, L. Zanotti, C. Gatti, Search for cold fusion induced by electrolysis in palladium. *Il Nuovo Cimento A* **103**, 1617 (1990).
77. V. B. Brudanin, V. M. Bystritsky, V. G. Egorov, S. G. Stetsenko, I. A. Yutlandov, Search for the cold fusion $d(d,^4\text{He})$ in electrolysis of D_2O . *Phys. Lett. A* **151**, 543 (1990).
78. J. I. Matsuda, T. Matsumoto, K. Nagao, An attempt to detect (^3He) from the cold nuclear fusion. *J. Geochem.* **24**, 379 (1990).
79. J. R. Morrey, M. W. 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, A. van Veen, Measurements of helium in electrolyzed palladium. *Fusion Technol.* **18**, 659 (1990).
80. B. F. Bush, J. J. Lagowski, M. H. Miles, G. S. Ostrom, Helium production during the electrolysis of D_2O in cold fusion experiments. *J. Electroanal. Chem.* **304**, 271-278 (1991).
81. M. Miles, B. F. Bush, G. S. Ostrom, J. J. Lagowski, Heat and helium production in cold fusion experiments, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. D. Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 363-372.
82. M. Miles, B. F. Bush, Search for anomalous effects involving excess power and helium during D_2O electrolysis using palladium cathodes, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 189-199.
83. M. H. Miles, R. A. Hollins, B. F. Bush, J. J. Lagowski, R. E. Miles, Correlation of excess power and helium production during D_2O and H_2O electrolysis using palladium cathodes. *J. Electroanal. Chem.* **346**, 99-117 (1993).
84. M. H. Miles, B. F. Bush, Heat and helium measurements in deuterated palladium, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 2, 6.
85. S. E. Jones, Current issues in cold fusion research: heat, helium, tritium, and energetic particles. *Surf. Coatings Technol.* **51**, 283 (1992).
86. M. Miles, C. P. Jones, Cold fusion experimenter Miles responds to critic. *21st Century Sci. & Technol.* **Spring**, 75 (1992).
87. M. H. Miles, B. F. Bush, D. E. Stilwell, Calorimetric principles and problems in measurements of excess power during Pd- D_2O electrolysis. *J. Phys. Chem.* **98**, 1948 (1994).
88. S. E. Jones, L. D. Hansen, Examination of claims of Miles et al in Pons-Fleischmann-Type cold fusion experiments. *J. Phys. Chem.* **99**, 6966 (1995).
89. M. H. Miles, Reply to 'An assessment of claims of excess heat in cold fusion calorimetry'. *J. Phys. Chem. B* **102**, 3648 (1998).
90. M. H. Miles, Reply to 'Examination of claims of Miles et al. in Pons-Fleischmann-type cold fusion experiments'. *J. Phys. Chem. B* **102**, 3642 (1998).
91. B. Y. Liaw, B. E. Liebert, A potential shuttle mechanism for charging hydrogen species into metals in hydride-containing molten salt systems, in Third International Conference on Cold

- Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 401.
92. B. Y. Liaw, P.-L. Tao, P. Turner, B. E. Liebert, Elevated temperature excess heat production using molten-salt electrochemical techniques, in 8th World Hydrogen Energy Conf, Ed, (Hawaii Natural Energy Institute, 2540 Dole St., Holmes Hall 246, Honolulu, HI 96822, Honolulu, HI, 1990), 49.
 93. B. Y. Liaw, P.-L. Tao, B. E. Liebert, Recent progress on cold fusion research using molten salt techniques, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 55.
 94. B. Y. Liaw, P.-L. Tao, P. Turner, B. E. Liebert, Elevated-temperature excess heat production in a Pd + D system. *J. Electroanal. Chem.* **319**, 161 (1991).
 95. B. Y. Liaw, P.-L. Tao, B. E. Liebert, Helium analysis of palladium electrodes after molten salt electrolysis. *Fusion Technol.* **23**, 92-97 (1993).
 96. Y. Ding, B. Y. Liaw, Electrochemical characterization of Ni in hydride-containing molten salts, in 9th International Conf. on Solid State Ionics, Ed, The Hague, The Netherlands, 1993).
 97. A. Zywockinski, H.-L. Li, A. A. Tuinman, P. Campbell, J. Q. Chambers, W. A. Van Hook, Analysis for light atoms produced in the bulk phase of a tubular palladium/ silver alloy cathode working electrode. *J. Electroanal. Chem.* **319**, 195 (1991).
 98. H. Sakaguchi, G. Adachi, K. Nagao, Helium isotopes from deuterium absorbed in LaNi₅, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 527-534.
 99. E. Yamaguchi, T. Nishioka, Direct evidence for nuclear fusion reactions in deuterated palladium, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 179.
 100. E. Yamaguchi, T. Nishioka, Helium-4 production and its correlation with heat evolution. *Oyo Butsuri* **62**, 712 (in Japanese) (1993).
 101. E. Yamaguchi, T. Nishioka, Helium-4 production from deuterated palladium. *Kakuyuogo Kenkyo* **69**, 743 (in Japanese) (1993).
 102. Q. F. Zhang, Q. Q. Gou, Z. H. Zhu, B. L. Xio, J. M. Lou, F. S. Liu, J. X. S., Y. G. Ning, H. Xie, Z. G. Wang, The detection of 4-He in Ti-cathode on cold fusion, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 531-534.
 103. D. Gozzi, R. Caputo, P. L. Cignini, M. Tomellini, G. Gigli, G. Balducci, E. Cisbani, S. Frullani, F. Garibaldi, M. Jodice, G. M. Urciuoli, Helium-4 quantitative measurements in the gas phase of cold fusion electrochemical cells, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 1, 6-1 to 6-19.
 104. D. Gozzi, R. Caputo, P. L. Cignini, M. Tomellini, G. Gigli, G. Balducci, E. Cisbani, S. Frullani, F. Garibaldi, M. Jodice, G. M. Urciuoli, Excess heat and nuclear product measurements in cold fusion electrochemical cells, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 1, 2-1 to 2-31.
 105. D. Gozzi, R. Caputo, P. L. Cignini, M. Tomellini, G. Gigli, G. Balducci, E. Cisbani, S. Frullani, F. Garibaldi, M. Jodice, G. M. Urciuoli, Calorimetric and nuclear byproduct measurements in electrochemical confinement of deuterium in palladium. *J. Electroanal. Chem.* **380**, 91-107 (1995).
 106. D. Gozzi, R. Caputo, P. L. Cignini, M. Tomellini, G. Gigli, G. Balducci, E. Cisbani, S. Frullani, F. Garibaldi, M. Jodice, G. M. Urciuoli, Quantitative measurements of helium-4 in the gas phase of Pd + D₂O electrolysis. *J. Electroanal. Chem.* **380**, 109-116 (1995).
 107. D. Gozzi, P. L. Cignini, R. Caputo, M. Tomellini, G. Balducci, G. Gigli, E. Cisbani, S. Frullani, F. Garibaldi, M. Jodice, G. M. Urciuoli, Excess heat and nuclear byproduct measurements in electrochemical confinement of deuterium in palladium. *J. Electroanal. Chem.* **380**, 91 (1995).
 108. T. Aoki, Y. Kurata, H. Ebihara, N. Yoshikawa, Helium and tritium concentrations in electrolytic cells. *Trans. Fusion Technol.* **26**, 214-220 (1994).
 109. M. H. Miles, B. F. Bush, Heat and helium measurements in deuterated palladium. *Trans. Fusion Technol.* **26**, 156-159 (1994).

110. M. Miles, K. B. Johnson, M. A. Imam, Heat and helium measurements using palladium and palladium alloys in heavy water, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 20-28.
111. E. Botta, T. Bressani, D. Calvo, C. Fanara, F. Lazzi, Measurement of ^4He production from D_2 gas-loaded Pd samples, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 29-35.
112. E. Botta, R. Bracco, T. Bressani, D. Calvo, V. Cela, C. Fanara, U. Ferracin, F. Iazzi, Search for ^4He production from Pd/ D_2 systems in gas phase, in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 233-240.
113. D. Gozzi, F. Cellucci, P. L. Cignini, G. Gigli, M. Tomellini, E. Cisbani, S. Frullani, G. M. Urciuoli, X-ray, heat excess and ^4He in the D/Pd system. *J. Electroanal. Chem.* **452**, 251-271 (1998).
114. Y. Arata, Y.-C. Zhang, Deuterium nuclear reaction process within solid. *J. New Energy* **2**, 27 (1997).
115. Y. Arata, C. Zhang, Presence of helium ($^2\text{He}_4$, $^2\text{He}_3$) confirmed in deuterated Pd-black by the "Vi-effect" in a "closed QMS" environment. *Proc. Japan Acad. B* **73**, 62 (1997).
116. Y. Arata, Y.-C. Zhang, Solid-state plasma fusion ('cold fusion'). *J. High Temp. Soc.* 23 (special volume), 1-56 (1997).
117. Y. Arata, C. Zhang, Presence of helium ($^2\text{He}_4$, $^2\text{He}_3$) confirmed in highly deuterated Pd-black by the new detecting methodology. *J. High Temp. Soc.* **23**, 110 (in Japanese) (1997).
118. Y. Arata, Z.-Y. Chang, Presence of helium ($^2\text{He}_4$, $^2\text{He}_3$) confirmed in deuterated Pd-black by the "Vi-effect" in a closed QMS" environment. *Proc. Japan Acad. B* **73**, 62 (1997).
119. Y. Arata, Y. C. Zhang, Critical condition to induce 'excess energy' within [DS- H_2O] cell. *Proc. Jpn. Acad., Ser. B* **75 Ser. B**, 76 (1999).
120. Y. Arata, Y. C. Zhang, Definitive difference between [DS- D_2O] and [Bulk- D_2O] cells in 'deuterium-reaction'. *Proc. Jpn. Acad., Ser. B* **75 Ser. B**, 71 (1999).
121. Y. Arata, Y. C. Zhang, Observation of anomalous heat release and helium-4 production from highly deuterated fine particles. *Jpn. J. Appl. Phys. Part 2* **38**, L774 (1999).
122. B. F. Bush, J. J. Lagowski, Methods of generating excess heat with the Pons and Fleischmann effect: rigorous and cost effective calorimetry, nuclear products analysis of the cathode and helium analysis, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 38.
123. G. S. Qiao, X. L. Han, L. C. Kong, S. X. Zheng, H. F. Huang, Y. J. Yan, Q. L. Wu, Y. Deng, S. L. Lei, X. Z. Li, Nuclear products in a gas-loading D/Pd and H/Pd system, Presented at the The Seventh International Conference on Cold Fusion, Vancouver, Canada, 1998.
124. X. Z. Li, W. Z. Yue, G. S. Huang, H. Shi, L. Gao, M. L. Liu, F. S. Bu, "Excess heat" measurement in gas-loading D/Pd system, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 2, 455-462.
125. X. Z. Li, W. Z. Yue, G. S. Huang, H. Shi, L. Gao, M. L. Liu, F. S. Bu, "Excess heat" measurement in gas-loading D/Pd system. *J. New Energy* **1**, 34 (1996).
126. A. Takahashi, Results of experimental studies of excess heat vs nuclear products correlation and conceivable reaction model, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 378-382.
127. M. C. H. McKubre, F. L. Tanzella, Results of initial experiment conducted with Pd on C hydrogenation catalyst materials, 1999.
128. M. C. McKubre, F. Tanzella, P. Tripodi, Evidence of d-d fusion products in experiments conducted with palladium at near ambient temperatures. *Trans. Am. Nucl. Soc.* **83**, 367 (2000).
129. Y. Isobe, S. Uneme, K. Yabuta, H. Mori, T. Omote, S. Ueda, K. Ochiai, H. Miyadera, A. Takahashi, Search for coherent deuteron fusion by beam and electrolysis experiments, in 8th

- International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 17-22.
130. M. Matsunaka, Y. Isobe, S. Ueda, K. Yabuta, T. Ohishi, H. Mori, A. Takahashi, Studies of coherent deuteron fusion and related nuclear reactions in solid., in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ., Beijing, China, Tsinghua Univ., Beijing, China, 2002), 237-240.
 131. M. C. H. McKubre, Review of experimental measurements involving dd reactions, PowerPoint slides, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003).
 132. M. Miles, M. A. Imam, M. Fleischmann, Excess heat and helium production in the palladium-boron system. *Trans. Am. Nucl. Soc.* **83**, 371-372 (2000).
 133. M. Miles, M. A. Imam, Palladium-boron alloys and methods making and using such alloys, United States, Patent #: 6764561, 2004
 134. A. B. Karabut, E. A. Karabut, Experimental results on Excess Heat Power, Impurity Nuclides and X-ray Production in Experiments with a High-Voltage Electric Discharge System. *J. Cond. Matter Nucl. Sci.* **6**, 199-216 (2012).
 135. A. DeNinno, A. Frattolillo, A. Rizzo, F. Scaramuzzi, C. Alessandrini, A new method aimed at detecting small amounts of helium in a gaseous mixture, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 29-36.
 136. A. DeNinno, A. Frattolillo, A. Rizzo, E. Del Giudice, G. Preparata, "Experimental evidence of ^4He production in a cold fusion experiment," (ENEA - Unita Tecnico Scientifica Fusione Centro Ricerche Frascati, Roma, 2002), RT/2002/41/FUS.
 137. A. DeNinno, A. Frattolillo, A. Rizzo, E. Del Gindice, ^4He detection In a cold fusion experiment, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 133-137.
 138. A. DeNinno, A. Frattolillo, A. Rizzo, E. Del Giudice, ^4He detection during H/D loading of Pd cathodes, Presented at the ASTI-5, Asti, Italy, 2004.
 139. R. Stringham, The ^4He and excess heat production via cavitation, Presented at the Am. Phys. Soc., Seattle, WA, 2001.
 140. R. Stringham, Cavitation and fusion, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 233-246.
 141. R. George, Experimental, results, and theory for nuclear reactions in deuterium loving metals, Presented at the 6th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Siena, Italy, 2005.
 142. M. Apicella, E. Castagna, L. Capobianco, L. D'Aulerio, G. Mazzitelli, F. Sarto, A. Rosada, E. Santoro, V. Violante, M. C. McKubre, F. Tanzella, C. Sibilia, Some recent results at ENEA, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 117-132.
 143. Y. Arata, Y. C. Zhang, X. F. Wang, Production of helium and energy in the "solid fusion", in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 72-81.
 144. E. K. Storms, The science of low energy nuclear reactions, Presented at the APS, March Meeting, Denver, CO, 2007.
 145. W. J. M. F. Collis, Common features of nuclear products, Presented at the 6th International Workshop on Anomalies in Hydrogen/Deuterium loaded Metals., Certosa di Pontignano, (Siena)-Italy, 2005.
 146. G. Miley, P. J. Shrestha, Overview of light water/hydrogen-based low energy nuclear reactions, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 34.
 147. G. Miley, Summary of the transmutation workshop held in association with ICCF-14, in 14th International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, Washington DC, 2008), vol. 1, 212-216.
 148. A. Kitamura, Y. T., T. Nohmi, S. Y., Y. Miyoshi, A. Taniike, Y. Furuyama, A. Takahashi, "MIDE (Metal Deuteride Energy) Project 2009," (2009).

149. G. Miley, X. Yang, H. Hora, Ultra-high density deuteron-cluster electrode for low-energy nuclear reactions. *J. Cond. Matter Nucl. Sci.* **4**, 256-268 (2011).
150. M. Srinivasan, G. Miley, E. K. Storms, in *Nuclear Energy Encyclopedia: Science, Technology, and Applications*, S. Krivit, J. H. Lehr, T. B. Kingery, Eds. (John Wiley & Sons, Hoboken, NJ, 2011), pp. 503-539.
151. J.-P. Biberian, Biological transmutations: Historical perspective. *J. Cond. Matter Nucl. Sci.* **7**, 11-15 (2012).
152. P. A. Mosier-Boss, A Review on nuclear products generated during low-energy nuclear reactions (LENR). *J. Cond. Matter Nucl. Sci.* **6**, 135-148 (2012).
153. D. Nagel, Characteristics and energetics of craters in LENR experimental materials. *J. Cond. Matter Nucl. Sci.* **10**, 1-14 (2013).
154. T. Hioki, N. Sugimoto, T. Nishi, A. Itoh, T. Motohiro, Isotope effect for heat generation upon pressurizing nano-Pd/silica systems with hydrogen isotope gases, Presented at the ICCF-17, 2012.
155. D. Afonichev, Ascending diffusion or transmutation, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 483-486.
156. L. Daddi, On the detection of cold fusion neutron by radioactivation, in Asti Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: W. J. M. F. Collis, (Italian Phys. Soc., Villa Riccardi, Rocca d'Arazzo, Italy, 1997), 23.
157. G. Miley, G. Narne, T. Woo, Use of combined NAA and SIMS analyses for impurity level isotope detection. *J. Radioanalytical and Nuclear Chemistry* **263**, 691-696 (2005).
158. T. O. Passell, Search for nuclear reaction products in heat-producing Pd, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 309.
159. T. O. Passell, R. George, Trace elements added to palladium by exposure to gaseous deuterium, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 129.
160. A. Rosada, E. Santoro, F. Sarto, V. Violante, P. Avino, Impurity measurements by instrumental neutron activation analysis on palladium, nickel and copper thin films, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 221-226.
161. H. Kozima, CF-matter and the cold fusion phenomenon, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 919.
162. G. Miley, H. Hora, A. G. Lipson, H. Leon, P. J. Shrestha, Cluster reactions in low energy nuclear reactions (LENR), in 8th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: J. Rothwell, P. Mobberley, (The International Society for Condensed Matter Science, Catania, Sicily, Italy, 2007), 235-251.
163. A. Karabut, Excess heat production in Pd/D during periodic pulse discharge current in various conditions, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 178-193.
164. M. Ohta, A. Takahashi, Analysis on nuclear transmutation by MPIF/SCS method, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 295.
165. A. Takahashi, M. Ohta, T. Mizuno, Radiation-less fission products by selective channel low-energy photofission for A>100 elements. *Trans. Am. Nucl. Soc.* **83**, 369 (2000).
166. A. Takahashi, M. Ohta, T. Mizuno, A model analysis on low-energy photo-fusion of Pd isotopes under dynamic conditions of PdH(D)_x, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 397-402.
167. G. Miley, Characteristics of reaction product patterns in thin metallic films experiments, in Asti Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: W. J. M. F. Collis, (Italian Phys. Soc., Villa Riccardi, Rocca d'Arazzo, Italy, 1997), 77-87.
168. B. F. Bush, Cold fusion/cold fission to account for radiation remediation. *J. New Energy* **2**, 32 (1997).
169. I. B. Savvatimova, A. B. Karabut, Nuclear reaction products detected at the cathode after a glow discharge in deuterium. *Poverkhnost(Surface)*, 63 (in Russian) (1996).

170. T. Mizuno, T. Ohmori, M. Enyo, Isotopic changes of the reaction products induced by cathodic electrolysis in Pd. *J. New Energy* **1**, 31 (1996).
171. H. Hora, J. A. Patterson, The d and p reactions in low-energy nuclear fusion, transmutation, and fission. *Trans. Amer. Nucl. Soc.* **76**, 144 (1996).
172. I. Savvatimova, Y. Kucherov, A. Karabut, Cathode material change after deuterium glow discharge experiments. *Trans. Fusion Technol.* **26**, 389-394 (1994).
173. I. Savvatimova, Y. Kucherov, A. Karabut, Cathode material change after deuterium glow discharge experiments, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 3, 16.
174. S. Szpak, P. A. Mosier-Boss, F. Gordon, Precursors and the fusion reactions in polarized Pd/D-D₂O systems: Effect of an external electric field, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 359.
175. G. H. Miley, P. J. Shrestha, Review of transmutation reactions in solids, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 361-378.
176. G. H. Miley, Product characteristics and energetics in thin-film electrolysis experiments, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 241-251.
177. H. Hora, G. H. Miley, J. C. Kelly, G. Salvaggi, A. Tate, F. Osman, R. Castillo, Proton-metal reactions in thin films with Boltzmann distribution similar to nuclear astrophysics. *Fusion Technol.* **36**, 331 (1999).
178. M. R. Swartz, Three physical regions of anomalous activity in deuterated palladium. *Infinite Energy* **14**, 19-31 (2008).
179. D. Baranov, Y. Bazhutov, N. Khokhov, V. P. Koretsky, A. B. Kuznetsov, Y. Skuratnik, N. Sukovatkin, Experimental testing of the Erzion model by reacting of electron flux on the target, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 3, 8.
180. I. Savvatimova, Creation of more light elements in tungsten irradiated by low-energy deuterium ions, in International Conference on Condensed Matter Nuclear Science , ICCF-13, Ed: Y. Bazhutov, (Tsiolkovsky Moscow Technical University, Sochi, Russia, 2007), 505-528.
181. I. Savvatimova, G. Savvatimov, A. A. Kornilova, Decay in tungsten irradiated by low energy deuterium ions, in International Conference on Condensed Matter Nuclear Science , ICCF-13, Ed: Y. Bazhutov, (Tsiolkovsky Moscow Technical University, Sochi, Russia, 2007), 295-308.
182. A. Takahashi, F. Celani, Y. Iwamura, The Italy-Japan Project- Fundamental research on cold transmutation process for treatment of nuclear wastes, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 289.
183. V. Vysotskii, A. Odintsov, V. N. Pavlovich, A. Tashirev, A. A. Kornilova, Experiments on controlled decontamination of water mixture of long-lived active isotopes in biological cells, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 530.
184. D. V. Filippov, L. I. Urutskoev, A. A. Rukhadze, Effects of atomic electrons on nuclear stability and radioactive decay, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Publishing, Marseilles, France, 2004), 806.
185. J. Dash, D. Chicea, Changes in the radioactivity, topography, and surface composition of uranium after hydrogen loading by aqueous electrolysis, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 463.
186. J. Dash, I. Savvatimova, S. Frantz, E. Weis, H. Kozima, Effects of glow discharge with hydrogen isotope plasmas on radioactivity of uranium, in The Ninth International Conference on Cold Fusion, Ed: X. Z. Li, (Tsinghua University, Beijing, China, 2002), 77.
187. H. Yamada, K. Uchiyama, N. Kawata, Y. Kurisawa, M. Nakamura, Producing a radioactive source in a deuterated palladium electrode under direct-current glow discharge. *Fusion Technol.* **39**, 253 (2001).

188. M. Bernardini, C. Manduchi, G. Mengoli, G. Zannoni, Anomalous effects induced by D₂O electrolysis at titanium, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 39-45.
189. K. Nakamura, Y. Kishimoto, I. Ogura, Element conversion by arcing in aqueous solution. *J. New Energy* **2**, 53-55 (1997).
190. R. Notoya, T. Ohnishi, Y. Noya, Nuclear reactions caused by electrolysis in light and heavy water solutions. *J. New Energy* **1**, 40-45 (1996).
191. A. Michrowski, Advanced transmutation processes and their application for the decontamination of radioactive nuclear waste. *J. New Energy* **1**, 122 (1996).
192. R. T. Bush, Electrolytic stimulated cold nuclear synthesis of strontium from rubidium. *J. New Energy* **1**, 28 (1996).
193. I. Savvatimova, A. Karabut, Nuclear reaction products registration on the cathode after glow discharge., in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 213-222.
194. R. Notoya, Nuclear products of cold fusion caused by electrolysis in alkali metallic ions solutions, in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 531-538.
195. T. Mizuno, K. Inoda, T. Akimoto, K. Azumi, M. Kitaichi, K. Kurokawa, T. Ohmori, M. Enyo, Formation of ¹⁹⁷Pt radioisotopes in solid state electrolyte treated by high temperature electrolysis in D₂ gas. *Infinite Energy* **1**, 9 (1995).
196. R. T. Bush, R. D. Eagleton, Evidence for electrolytically induced transmutation and radioactivity correlated with excess heat in electrolytic cells with light water rubidium salt electrolytes, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 3, 2.
197. E. G. Campari, S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, E. Porcu, E. Tosti, S. Veronesi, Ni-H systems, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 69.
198. S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, S. Veronesi, On the Ni-H system, in Asti Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: W. J. M. F. Collins, (Societa Italiana Di Fisica, Villa Riccardi, Italy, 1997), 35.
199. A. Rossi, Method and apparatus for carrying out nickel and hydrogen exothermal reaction, EU, Patent #: WO20110005506, 2011
200. R. E. Godes, Energy generation apparatus and method, USA, Patent #: US 2007/0206715 A1, 2007
201. A. Rossi, Method and apparatus for carrying out nickel and hydrogen exothermal reactions, Patent #: WO 2009/125444 A1, 2009
202. R. Kurup, P. A. Kurup, Actinidic archaea mediates biological transmutation in human systems- Experimental evidence. *Adv. in Nat. Sci.* **5**, 47-49 (2012).
203. V. Vysotskii, A. A. Kornilova, Low-energy nuclear reactions and transmutation of stable and radioactive isotopes in growing biological systems. *J. Cond. Matter Nucl. Sci.* **4**, 146-160 (2011).
204. V. Vysotskii, A. B. Tashyrev, A. A. Kornilova, Experimental observation and modeling of Cs-137 isotope deactivation and stable isotope transmutation in biological cells, in *ACS Symposium Series 998, Low-Energy Nuclear Reactions Sourcebook*, J. Marwan, S. B. Krivit, Eds. (American Chemical Society, Washington, DC, 2008), pp. 295-309.
205. V. Vysotskii, A. A. Kornilova, A. Tashyrev, J. Kornilova, Experimental observation and combined investigation of high-performance fusion of iron-region isotopes in optimal growing microbiological associations, in *Condensed Matter Nuclear Science, ICCF-12*, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 206.
206. A. Triassi, Variation of the concentration of isotopes copper and zinc in human plasmas of patients affected by cancer, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 485.
207. V. Vysotskii, A. A. Kornilova, *Nuclear fusion and transmutation of isotopes in biological systems*. (MIR Publishing House, Russia 302, 2003).
208. V. Vysotskii, V. Shevel, A. Tashyrev, A. A. Kornilova, Successful experiments on utilization of high-activity waste in the process of transmutation an in growing associations of microbiological cultures, Presented at the Tenth International Conference on Cold Fusion, Cambridge, MA, 2003.

209. V. I. Vysotskii, A. A. Kornilova, I. I. Samoilenko, G. A. Zykov, Catalytic influence of caesium on the effectiveness of nuclear transmutation on intermediate and heavy mass isotopes in growing biological cultures, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 391.
210. A. A. Kornilova, V. I. Vysotskii, G. A. Zykov, Investigation of combined influence of Sr, Cl and S on the effectiveness of nuclear transmutation of Fe-54 isotope in biological cultures., in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 174.
211. V. Vysotskii, A. A. Kornilova, I. I. Samoilenko, Z. G. A., Observation and mass-spectrometry. Study of controlled transmutation of intermediate mass isotopes in growing biological cultures. *Infinite Energy* **6**, 64-68 (2001).
212. V. Vysotskii, A. A. Kornilova, I. I. Samoilenko, G. A. Zykov, Experimental observation and study of controlled transmutation of intermediate mass isotopes in growing biological cultures, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 135.
213. M. S. Benford, Biological Nuclear Reactions: Empirical Data Describes Unexplained SHC Phenomenon. *J. New Energy* **3**, 19 (1999).
214. V. Vysotskii, A. A. Kornilova, I. I. Samoilenko, Experimental discovery and investigation of the phenomenon of nuclear transmutation of isotopes in growing biological cultures. *Infinite Energy* **2**, 63-66 (1996).
215. V. I. Vysotskii, A. A. Kornilova, I. I. Samoilenko, Experimental discovery of phenomenon of low-energy nuclear transformation of isotopes ($Mn^{55}=Fe^{57}$) in growing biological cultures, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 2, 687-693.
216. H. Kozima, K. Hiroe, M. Nomura, M. Ohta, On the elemental transmutation in biological and chemical systems. *Cold Fusion* **17**, (1996).
217. P. Thompkins, C. Byrd, *The secret life of plants*. (Penguin Books, New York, 1993).
218. H. Komaki, An approach to the probable mechanism of the non-radioactive biological cold fusion or so-called Kervran effect (Part 2), in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 4, 44-41 to 44-12.
219. H. Komaki, Observations on the biological cold fusion or the biological transformation of elements, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 555-558.
220. C. L. Kervran, *Biological transmutation*. (Beekman Publishers, Inc, 1980).
221. C. L. Kervran, *Biological transmutations*. (Swan House Publishing Co., 1972).
222. H. Komaki, Formation de protines et variations minerales par des microorganismes en milieu de culture, sort avec or sans potassium, sort avec ou sans phosphore. *Revue de Pathologie Comparee* **69**, 83 (1969).
223. H. Komaki, production de proteines par 29 souches de microorganismes et augmentation du potassium en milieu de culture sodique sans potassium. *Revue de Pathologie Comparee* **67**, 213 (1967).
224. C. L. Kervran, Transmutations biologiques, metabolismes aberrants de l'asote, le potassium et le magnesium. *Librairie Maloine S. A, Paris*, (1963).
225. Y. Iwamura, H. Itoh, N. Gotoh, M. Sakano, I. Toyoda, H. Sakata, Detection of anomalous elements, X-ray and excess heat induced by continuous diffusion of deuterium through multi-layer cathode (Pd/CaO/Pd). *Infinite Energy* **4**, 56 (1998).
226. Y. Iwamura, T. Itoh, N. Gotoh, M. Sakano, I. Toyoda, H. Sakata, Detection of anomalous elements, X-ray and excess heat induced by continous diffusion of deuterium through multi-layer cathode (Pd/CaO/Pd), in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 167-171.
227. Y. Iwamura, T. Itoh, N. Gotoh, I. Toyoda, Detection of anomalous elements, X-ray, and excess heat in a D₂-Pd system and its interpretation by the electron-induced nuclear reaction model. *Fusion Technol.* **33**, 476 (1998).

228. Y. Iwamura, T. Itoh, N. Yamazaki, H. Yonemura, K. Fukutani, D. Sekiba, Recent Advances in Deuterium Permeation Transmutation Experiments. *J. Cond. Matter Nucl. Sci.* **10**, 63-71 (2013).
229. Y. Iwamura, T. Itoh, M. Sakano, Nuclear products and their time dependence induced by continuous diffusion of deuterium through multi-layer palladium containing low work function material, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 141-146.
230. Y. Iwamura, M. Sakano, T. Itoh, Elemental analysis of Pd complexes: effects of D₂ gas permeation. *Jpn. J. Appl. Phys. A* **41**, 4642-4650 (2002).
231. Y. Iwamura, T. Itoh, M. Sakano, S. Sakai, Observation of low energy nuclear reactions induced by D₂ gas permeation through Pd complexes, in The Ninth International Conference on Cold Fusion (ICCF9), Ed: X. Z. Li, (Tsinghua University, Beijing, China, 2002), 141.
232. Y. Iwamura, T. Itoh, M. Sakano, Nuclide transmutation device and nuclide transmutation method, U.S.A., Patent #: US 2002/0080903 A1 and EP 1 202 290 A2, 2002
233. Y. Iwamura, T. Itoh, M. Sakano, S. Sakai, S. Kuribayashi, Low energy nuclear transmutation in condensed matter induced by D₂ gas permeation through Pd complexes: correlation between deuterium flux and nuclear products, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 435-446.
234. Y. Iwamura, T. Itoh, M. Sakano, N. Yamazaki, S. Kuribayashi, Y. Terada, T. Ishikawa, J. Kasagi, Observation of nuclear transmutation reactions induced by D₂ gas permeation through Pd complexes, in ICCF-11, International Conference on Condensed Matter Nuclear Science, Ed: J. P. Biberian, (World Scientific, Marseilles, France, 2004), 339-350.
235. Y. Iwamura, T. Itoh, N. Yamazaki, J. Kasagi, Y. Terada, T. Ishikawa, D. Sekiba, H. Yonemura, K. Fukutani, Observation of Low Energy Nuclear Transmutation Reactions Induced by Deuterium Permeation through Multilayer Pd and CaO thin Film. *J. Cond. Matter Nucl. Sci.* **4**, 132-144 (2011).
236. A. Kitamura, R. Nishio, H. Iwai, R. Satoh, A. Taniike, Y. Furuyama, In-situ accelerator analysis of palladium complex under deuterium permeation, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 272.
237. A. B. Karabut, Y. R. Kucherov, I. B. Savvatimova, Possible nuclear reactions mechanisms at glow discharge in deuterium, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 165.
238. A. B. Karabut, Y. R. Kucherov, I. B. Savvatimova, Nuclear product ratio for glow discharge in deuterium. *Phys. Lett. A* **170**, 265-272 (1992).
239. I. B. Savvatimova, A. B. Karabut, Radioactivity of palladium cathodes after irradiation in a glow discharge. *Poverkhnost (Surface)*, 76 (in Russian) (1996).
240. A. Karabut, Y. Kucherov, I. Savvatimova, Possible nuclear reactions mechanisms at glow discharge in deuterium. *J. New Energy* **1**, 20 (1996).
241. A. B. Karabut, Analysis of experimental results on excess heat power production, impurity nuclides yield in the cathode material and penetrating radiation in experiments with high-current glow discharge, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 329.
242. A. B. Karabut, A. G. Lipson, A. S. Roussetsky, Correct measurement of DD-reaction yield and X-ray in a high-current deuterium glow discharge operating at 0.85-1.2 kV voltage applied, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 335.
243. A. B. Karabut, Excess heat power, nuclear products and X-ray emission in relation to the high current glow discharge experimental parameters, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 151.
244. A. G. Lipson, A. B. Karabut, A. S. Roussetsky, Anomalous enhancement of DD-reaction, alpha emission and X-ray generation in the high current pulsing deuterium glow-discharge with Ti-cathode at the voltages ranging from 0.8-2.5 kV, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 208-212.

245. A. Karabut, Generation of heat, long-living atomic levels in the solid medium (1 to 3 keV) and accumulation of nuclear reaction products in a cathode of a glow discharge chamber, Presented at the 11th International Conf. on Emerging Nuclear Energy Syst., Albuquerque, NM, 2002.
246. A. B. Karabut, Production of excess heat, impurity elements and unnatural isotopic ratios in high-current glow discharge experiments, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 99.
247. A. Karabut, Research into low-energy nuclear reactions in cathode sample solid with production of excess heat, stable and radioactive impurity nuclides, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 214-230.
248. A. B. Karabut, Excess heat power registration in high voltage electrolysis and discharge systems, in International Conference on Condensed Matter Nuclear Science, ICCF-13, Ed: Y. Bazhutov, (Tsiolkovsky Moscow Technical University, Sochi, Russia, 2007), vol. 1, 225-236.
249. I. Savvatimova, Transmutation effects in the cathode exposed glow discharge, nuclear phenomena or ion irradiation results?, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 342.
250. I. Savvatimova, D. V. Gavritenkov, Results of analysis of Ti foil after glow discharge with deuterium, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 438.
251. I. B. Savvatimova, A. D. Senchukova, I. P. Chernov, Transmutation phenomena in a palladium cathode after ions irradiation at glow discharge, in The Sixth International Conference on Cold Fusion, Ed: M. Okamoto, (The Institute of Applied Energy, Lake Toya, Japan, 1996), vol. 2, 575.
252. I. Savvatimova, D. V. Gavritenkov, Influence of parameters of glow discharge on change of structure and the isotope composition of the cathode materials, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 231.
253. V. Muromtsev, V. Platonov, I. B. Savvatimova, Neutrino-dineutron reactions (low-energy nuclear reactions induced by D₂ gas permeation through Pd complexes - Y. Iwamura effect), in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 571.
254. I. Savvatimova, Transmutation in tungsten irradiated by low energy deuterium ions, in 8th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: J. Rothwell, P. Mobberley, (The International Society for Condensed Matter Science, Catania, Sicily, Italy, 2007), 275.
255. I. B. Savvatimova, Transmutation of elements in low-energy glow discharge and the associated processes. *J. Cond. Matter Nucl. Sci.* **6**, 181-198 (2012).
256. E. K. Storms, B. Scanlan, Radiation produced by glow discharge in deuterium, in 8th International Workshop on Anomalies in Hydrogen / Deuterium Loaded Metals. 2007., Ed: J. Rothwell, P. Mobberley, (<http://www.iscmns.org/catania07/index.htm>). The International Society for Condensed Matter Science, Catania, Sicily, 2007), 297-305.
257. R. T. Bush, R. D. Eagleton, Experimental studies supporting the transmission resonance model for cold fusion in light water: I. Correlation of isotopic and elemental evidence with excess energy., in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 405-408.
258. R. Notoya, M. Enyo, Excess heat production in electrolysis of potassium carbonate solution with nickel electrodes, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 421.
259. R. Sundaresan, J. O. M. Bockris, Anomalous reactions during arcing between carbon rods in water. *Fusion Technol.* **26**, 261 (1994).
260. M. Singh, M. D. Saksena, V. S. Dixit, V. B. Kartha, Verification of the George Oshawa experiment for anomalous production of iron from carbon arc in water. *Fusion Technol.* **26**, 266 (1994).
261. T. Grotz, Investigation of reports of the synthesis of iron via arc discharge through carbon compounds. *J. New Energy* **1**, 106 (1996).

262. X. L. Jiang, L. J. Han, W. Kang, Anomalous element production induced by carbon arcing under water, in *The Seventh International Conference on Cold Fusion*, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 172-174.
263. H. E. Ransford, Non-Stellar nucleosynthesis: Transition metal production by DC plasma-discharge electrolysis using carbon electrodes in a non-metallic cell. *Infinite Energy* **4**, 16 (1999).
264. T. Hanawa, X-ray spectroscopic analysis of carbon arc products in water, in *8th International Conference on Cold Fusion*, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 147-152.
265. T. Matsumoto, Cold fusion experiments using sparking discharges in water, in *5th International Conference on Cold Fusion*, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 583-588.
266. T. Matsumoto, Experiments of underwater spark discharge with pinched electrodes. *J. New Energy* **1**, 79 (1996).
267. T. Matsumoto, Carbon tubes and films produced in a lead electrode, in *The Seventh International Conference on Cold Fusion*, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 225-229.
268. T. Mizuno, T. Ohmori, T. Akimoto, Probability of neutron and heat emission from Pt electrode induced by discharge in alkaline solution, in *The Seventh International Conference on Cold Fusion*, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 247-252.
269. T. Mizuno, T. Ohmori, K. Azumi, T. Akimoto, A. Takahashi, Confirmation of heat generation and anomalous element caused by plasma electrolysis in the liquid, in *8th International Conference on Cold Fusion*, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 75-80.
270. T. Mizuno, T. Ohmori, T. Akimoto, A. Takahashi, Production of heat during plasma electrolysis. *Jpn. J. Appl. Phys. A* **39**, 6055 (2000).
271. D. Cirillo, R. Germano, V. Tontodonato, A. Widom, Y. N. Srivastava, E. Del Giudice, G. Vitiello, Experimental evidence of a neutron flux generation in a plasma discharge electrolytic cell. *Key Engineering Materials* **495**, 104-107 (2012).
272. V. Nassisi, Incandescent Pd and anomalous distribution of elements in deuterated samples processed by an excimer laser. *J. New Energy* **2**, 14-19 (1997).
273. V. Nassisi, Transmutation of elements in saturated palladium hydrides by an XeCl excimer laser. *Fusion Technol.* **33**, 468 (1998).
274. Castellano, M. Di Giulio, M. Dinescu, V. Nassisi, A. Conte, P. P. Pompa, Nuclear transmutation in deuterated Pd films irradiated by an UV laser, in *8th International Conference on Cold Fusion*, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 287-292.
275. M. Di Giulio, E. Filippo, D. Manno, V. Nassisi, Analysis of nuclear transmutations observed in D- and H-loaded films. *J. Hydrogen Eng.* **27**, 527 (2002).
276. V. Nassisi, G. Caretto, A. Lorusso, D. Manno, L. Fama, G. Buccolieri, A. Buccolieri, U. Mastromatteo, Modification of Pd-H₂ and Pd-D₂ thin films processed by He-Ne laser. *J. Cond. Matter. Nucl. Sci.* **5**, 1-6 (2011).
277. V. Nassisi, M. L. Longo, Experimental results of transmutation of elements observed in etched palladium samples by an excimer laser. *Fusion Technol.* **37**, 247 (2000).
278. V. Violante, E. Castagna, C. Sibilina, S. Paoloni, F. Sarto, Analysis of Ni-hydride thin film after surface plasmons generation by laser technique, in *Tenth International Conference on Cold Fusion*, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 421-434.
279. J. Tian, L. H. Jin, B. J. Shen, Q. S. Wang, J. Dash, Heat measurements and surface studies of Pd wires after being exposed to a H₂ gas-loading system irradiated with a YAG frequency doubling laser, in *International Conference on Condensed Matter Nuclear Science*, ICCF-13, Ed: Y. Bazhutov, (Tsiolkovsky Moscow Technical University, Sochi, Russia, 2007), 217-224.
280. Y. Iwamura, S. Tsuruga, T. Itoh, Increase of transmutation products in deuterium permeation induced transmutation, in *Proc. JCF13*, Ed: A. Kitamura, (Japan CF-Research Soc, WincAichi, Jap, 2012), vol. http://jcf.org/proc_jcf.html, 196-213.

281. T. O. Passell, Evidence for lithium-6 depletion in Pd exposed to gaseous deuterium and hydrogen, in *The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science*, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 299.
282. P. L. Hagelstein, Neutron yield for energetic deuterons in PdD and in D₂O. *J. Cond. Matter Nucl. Sci.* **3**, 35-40 (2010).
283. P. I. Hagelstein, On the connection between Ka X-rays and energetic alpha particles in Fleischmann–Pons experiments. *J. Cond. Matter Nucl. Sci.* **3**, 50-58 (2010).
284. P. I. Hagelstein, Secondary neutron yield in the presence of energetic alpha particles in PdD. *J. Cond. Matter Nucl. Sci.* **3**, 41-49 (2010).
285. L. Kowalski, Comment on “The use of CR-39 in Pd/D co-deposition experiments” by P.A. Mosier-Boss, S. Szpak, F.E. Gordon and L.P.G. Forsley. *Cur. Phys. J. Appl. Phys.* **44**, 287 (2008).
286. L. Kowalski, Chemically-induced nuclear activity or an illusion? , (2009).
287. L. Kowalski, Nuclear or not nuclear: How to decide?, in *14th International Conference on Condensed Matter Nuclear Science*, Ed: D. L. Nagel, M. E. Melich, Washington DC, 2008), vol. 2, 723-728.
288. L. Kowalski, Comments on Codeposition Electrolysis Results. *J. Cond. Matter Nucl. Sci.* **3**, 1-3 (2010).
289. S. Szpak, J. Dea, Evidence for the induction of nuclear activity in polarized Pd/H–H₂O System. *J. Cond. Matter Nucl. Sci.* **9**, 21-29 (2012).
290. P. A. Mosier-Boss, It’s not low energy – But it is nuclear, Presented at the ICCF-17, Daejeon, Korea, 2012.
291. P. A. Mosier-Boss, F. E. Gordon, F. P. G. Forsley, Characterization of neutrons emitted during Pd/D co-deposition. *J. Cond. Matter Nucl. Sci.* **6**, 13-23 (2012).
292. P. A. Mosier-Boss, J. Dea, F. Gordon, L. Forsley, M. Miles, Review of Twenty Years of LENR Research Using Pd/D Co-deposition. *J. Cond. Matter Nucl. Sci.* **4**, 173-187 (2011).
293. P. A. Mosier-Boss, L. Forsley, F. Gordon, Comments on co-deposition electrolysis results: A response to Kowalski. *J. Cond. Matter Nucl. Sci.* **3**, 4-8 (2010).
294. P. A. Mosier-Boss, J. Y. Dea, L. P. G. Forsley, M. S. Morey, J. R. Tinsley, J. P. Hurley, F. E. Gordon, Comparison of Pd/D co-deposition and DT neutron generated triple tracks observed in CR-39 detectors. *Eur. Phys. J. Appl. Phys.* **51**, 20901-20911 (2010).
295. S. Szpak, P. A. Mosier-Boss, F. Gordon, Further evidence of nuclear reactions in the Pd/D lattice: emission of charged particles. *Naturwissenschaften* **94**, 515 (2009).
296. P. A. Mosier-Boss, L. Forsley, F. Gordon. (<http://chiefio.wordpress.com/2012/05/26/spawar-space-and-naval-warfare-lenr-proof/>, Univ. of Missouri Talk, 2009).
297. P. A. Mosier-Boss, S. Szpak, F. E. Gordon, L. P. G. Forsley, Triple tracks in CR-39 as the result of Pd/D co-deposition: Evidence of energetic neutrons. *Naturwissenschaften* **96**, 135-142 (2009).
298. P. A. Mosier-Boss, F. Gordon, L. Forsley, in *Low-Energy Nuclear Reactions Sourcebook Volume 2*, J. Marwan, S. Krivit, Eds. (Oxford University Press, 2009).
299. P. A. Mosier-Boss, S. Szpak, F. Gordon, L. Forsley, Characterization of tracks in CR-39 detectors obtained as a result of Pd/D Co-deposition. *Eur. Phys. J. Appl. Phys.* **46**, 30901 (2009).
300. P. A. Mosier-Boss, S. Szpak, F. Gordon, L. Forsley, Reply to comment on “The use of CR-39 in Pd/D co-deposition experiments”: a response to Kowalski. *Eur. Phys. J. Appl. Phys.* **44**, 291 (2008).
301. P. A. Mosier-Boss, S. Szpak, F. Gordon, L. Forsley, Detection of energetic particles and neutrons emitted during Pd/D co-deposition, in *ACS Symposium Series 998, Low-Energy Nuclear Reactions Sourcebook*, J. Marwan, S. B. Krivit, Eds. (American Chemical Society, Washington, DC, 2008), pp. 311-334.
302. L. Forsley, P. A. Mosier-Boss, Comparison of SPAWAR Co-deposition experimental data and competing condensed matter nuclear science theories, Presented at the APS, New Orleans, LA, 2008.
303. P. A. Mosier-Boss, S. Szpak, F. E. Gordon, L. P. G. Forsley, Use of CR-39 in Pd/D co-deposition experiments. *Eur. Phys. J. Appl. Phys.* **40**, 293-303 (2007).
304. A. Lipson, I. Chernov, V. Sokhoreva, V. Mironchik, A. Roussetski, A. Tsivadze, Y. Cherdantsev, B. Lyakhov, E. Saunin, M. Melich, Charged particle emissions and surface morphology of Pd/PdO:Dx and TiDx targets under electron beam excitation, in *15th International Conference on*

- Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 187-196.
305. A. G. Lipson, G. Miley, A. S. Roussetski, B. F. Lyakhov, E. I. Saunin, Reproducible nuclear emissions from Pd/PdO:Dx heterostructure during controlled exothermic deuterium desorption, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 293-303.
306. A. G. Lipson, B. F. Lyakhov, V. A. Kuznetsov, T. S. Ivanova, B. V. Deryagin, The nature of excess energy liberated in a Pd/PdO heterostructure electrochemically saturated with hydrogen (deuterium). *Russ. J. Phys. Chem.* **69**, 1810 (1995).
307. A. G. Lipson, B. F. Lyakhov, A. S. Rousstesky, N. Asami, Evidence for DD-reaction and a long-range alpha emission in Au/Pd/PdO:D heterostructure as a result of exothermic deuterium deposition, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 231-239.
308. A. G. Lipson, B. F. Lyakhov, A. S. Roussetski, T. Akimoto, T. Mizuno, N. Asami, R. Shimada, S. Miyashita, A. Takahashi, Evidence for low-intensity D-D reaction as a result of exothermic deuterium desorption from Au/Pd/PdO:D heterostructure. *Fusion Technol.* **38**, 238 (2000).
309. A. G. Lipson, A. S. Roussetsky, G. H. Miley, C. H. Castano, In-situ charged particles and X-ray detection in Pd thin film-cathodes during electrolysis in $L_{12}SO_4/H_2O$., in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 218.
310. A. G. Lipson, A. S. Roussetski, G. Miley, Energetic alpha and proton emissions on the electrolysis of thin-Pd films. *Trans. Am. Nucl. Soc.* **88**, 638-639 (2003).
311. A. G. Lipson, A. S. Roussetski, A. B. Karabut, G. H. Miley, Strong enhancement of DD-reaction accompanied by X-ray generation in a pulsed low voltage high-current deuterium glow discharge with a titanium cathode, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 635-656.
312. E. K. Storms, B. Scanlan, Detection of radiation from LENR, in 14th International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, (www.LENR.org, Washington, DC, 2008), vol. 1, 261-287.
313. A. G. Lipson, A. S. Roussetski, G. H. Miley, E. I. Saunin, Phenomenon of an energetic charged particle emission from hydrogen/deuterium loaded metals, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 539-558.
314. A. S. Roussetski, A. G. Lipson, V. P. Andrianov, Nuclear emissions from titanium hydride/deuteride, induced by powerful picosecond laser beam, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 559-566.
315. A. G. Lipson, G. Miley, B. F. Lyakhov, A. S. Roussetski, Energetic charged particles emission from hydrogen-loaded Pd and Ti cathodes and its enhancement by He-4 implantation, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co, Marseilles, France, 2004), 324-338.
316. A. S. Roussetski, A. G. Lipson, B. F. Lyakhov, E. I. Saunin, Correct identification of energetic alpha and proton tracks in experiments on CR-39 charged particle detection during hydrogen desorption from Pd/Pd:Hx heterostructure, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 304-313.
317. A. G. Lipson, A. S. Roussetski, G. Miley, Evidence for condensed matter enhanced nuclear reactions in metals with a high hydrogen solubility, in International Conference on Condensed Matter Nuclear Science, ICCF-13, Ed: Y. Bazhutov, (Tsiolkovsky Moscow Technical University, Sochi, Russia, 2007), 248-268.
318. A. G. Lipson, I. P. Chernov, A. S. Roussetski, Y. Chardantsev, B. F. Lyakhov, E. I. Saunin, M. E. Melich, Charged particle emissions upon electron beam excitation of deuterium subsystem in the Pd and Ti- deuteride targets., in ICCF-14 International Conference on Condensed Matter Nuclear Science., Ed: D. L. Nagel, M. E. Melich, (<http://lenr-canr.org/acrobat/LipsonAGchargedpar.pdf>, Washington, DC., 2008), vol. 1, 220-249.
319. A. G. Lipson, I. P. Chernov, A. S. Roussetski, Y. P. Cherdantsev, A. Tsivadze, B. Lyakhov, E. I. Saunin, M. E. Melich, Hot deuteron generation and charged particle emissions on excitation of

- deuterium subsystem in metal deuterides, in *Low-Energy Nuclear Reactions Sourcebook, Volume 2*, J. Marwan, S. Krivit, Eds. (Oxford University Press, 2009).
320. A. S. Roussetski, A. G. Lipson, F. Tanzella, E. I. Saunin, M. C. McKubre, Evidence for fast neutron emission during SRI's SPARWAR/GALILEO type electrolysis experiments #7 and #5, based on CR39 track detector record, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 231-236.
321. A. G. Lipson, A. S. Roussetski, E. I. Saunin, F. Tanzella, B. Earle, M. C. McKubre, Analysis of CR-39 detectors from SRI's SPAWAR/Galileo type electrolysis experiments #7 and #8. Signature of possible neutron emission, in 8th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: J. Rothwell, P. Mobberley, (The International Society for Condensed Matter Science, Catania, Sicily, Italy, 2007), 182.
322. A. G. Lipson, A. S. Roussetski, E. I. Saunin, Analysis of #2 Winthrop Williams CR-39 detector after SPAWAR/Galileo type electrolysis experiment, in 8th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: J. Rothwell, P. Mobberley, (The International Society for Condensed Matter Science, Catania, Sicily, Italy, 2007), 163.
323. R. A. Oriani, J. C. Fisher, Detection of energetic charged particles during electrolysis, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 577.
324. R. A. Oriani, J. C. Fisher, Generation of nuclear tracks during electrolysis. *Jpn. J. Appl. Phys. A* **41**, 6180-6183 (2002).
325. R. A. Oriani, J. C. Fisher, Energetic charged particles produced during electrolysis, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 567-575.
326. J. C. Fisher, Outline of polyneutron theory, in 8th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: J. Rothwell, P. Mobberley, (The International Society for Condensed Matter Science, Catania, Sicily, Italy, 2007), 70-91.
327. Y. Iwamura, N. Gotoh, T. Itoh, I. Toyoda, Characteristic X-ray and neutron emissions from electrochemically deuterated palladium, in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 197.
328. S. Focardi, F. Piantelli, Energy Generation and Generator by means of Anharmonic Stimulated Fusion, EU, Patent #: WO 95/20816 1995
329. S. Focardi, R. Habel, F. Piantelli, Anomalous heat production in Ni-H systems. *Nuovo Cimento* **107A**, 163 (1994).
330. S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, S. Veronesi, Large excess heat production in Ni-H systems. *Nuovo Cimento* **111A**, 1233 (1998).
331. A. Battaglia, L. Daddi, S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, P. G. Sona, S. Veronesi, Neutron emission in Ni-H systems. *Nuovo Cimento* **112 A**, 921 (1999).
332. E. G. Campari, S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, S. Veronesi, Overview of H-Ni systems: Old experiments and new setup, Presented at the 5th Asti Workshop on Anomalies in Hydrogen / Deuterium loaded Metals, Asti, Italy, 2004.
333. S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, F. Veronesi, Evidence of electromagnetic radiation from Ni-H systems, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 70.
334. E. G. Campari, G. Fasano, S. Focardi, G. Lorusso, V. Gabbani, V. Montalbano, F. Piantelli, C. Stanghini, S. Veronesi, Photon and particle emission, heat production and surface transformation in Ni-H system, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 405.
335. E. G. Campari, S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, S. Veronesi, Surface analysis of hydrogen-loaded nickel alloys, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 414.
336. E. G. Campari, S. Focardi, V. Gabbani, V. Montalbano, F. Piantelli, C. Stanghini, Nuclear reactions in Ni-H systems, Presented at the 6th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Siena, Italy, 2005.
337. F. Piantelli, Proton Reactor, Presented at the 9th Workshop ISCMNS, Pontignano(Siena), Italy, 2010.

338. F. Piantelli, Energy generation and generator by means of anharmonic stimulated fusion, EU, Patent #: WO2010/058288 A1, 2010
339. F. Piantelli, Method for producing energy and apparatus therefore, USA, Patent #: 0249763 A1, 2011
340. V. Violante, P. Tripodi, D. Di Gioacchino, R. Borelli, L. Bettinali, E. Santoro, A. Rosada, F. Sarto, A. Pizzuto, M. C. H. McKubre, F. Tanzella, X-ray emission during electrolysis of light water on palladium and nickel thin films, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 376-382.
341. R. T. Bush, R. D. Eagleton, Experimental studies supporting the transmission resonance model for cold fusion in light water: II. Correlation of X-Ray emission with excess power, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 409-416.
342. E. K. Storms, B. Scanlan, Nature of Energetic Radiation Emitted from a Metal Exposed to H₂. *J. Cond. Matter Nucl. Sci.* **11**, 142-156 (2013).
343. R. T. Bush, R. D. Eagleton, Evidence for electrolytically induced transmutation and radioactivity correlated with excess heat in electrolytic cells with light water rubidium salt electrolytes. *Trans. Fusion Technol.* **26**, 344-354 (1994).
344. P. K. Iyengar, M. Srinivasan, S. K. Sikka, A. Shyam, V. Chitra, L. V. Kulkarni, R. K. Rout, M. S. Krishnan, S. K. Malhotra, D. G. Gaonkar, H. K. Sadhukhan, V. B. Nagvenkar, M. G. Nayar, S. K. Mitra, P. Raghunathan, S. B. Degwekar, T. P. Radhakrishnan, R. Sundaresan, J. Arunachalam, V. S. Raju, R. Kalyanaraman, S. Gangadharan, G. Venkateswaran, P. N. Moorthy, K. S. Venkateswarlu, B. Yuvaraju, K. Kishore, S. N. Guha, M. S. Panajkar, K. A. Rao, P. Raj, P. Suryanarayana, A. Sathyamoorthy, T. Datta, H. Bose, L. H. Prabhu, S. Sankaranarayanan, R. S. Shetiya, N. Veeraraghavan, T. S. Murthy, B. K. Sen, P. V. Joshi, K. G. B. Sharma, T. B. Joseph, T. S. Iyengar, V. K. Shrikhande, K. C. Mittal, S. C. Misra, M. Lal, P. S. Rao, Bhabha Atomic Research Centre studies on cold fusion. *Fusion Technol.* **18**, 32-94 (1990).
345. D. D. Afonichev, High-frequency radiation and tritium channel, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 353-359.
346. A. B. Karabut, X-ray emission in the high-current glow discharge experiments, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 155-158.
347. A. B. Karabut, E. A. Karabut, P. I. Hagelstein, Spectral and temporal characteristics of X-ray emission from metal electrodes in a high-current glow discharge. *J. Cond. Matter Nucl. Sci.* **6**, 217-240 (2012).
348. F. Keeney, S. E. Jones, A. Johnson, D. B. Buehler, F. E. Cecil, G. K. Hubler, P. L. Hagelstein, M. Scott, J. Ellsworth, Charged-particle emissions from metal deuterides, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 509.
349. S. E. Jones, Anomalous neutron emission in metal- deuterium systems, Presented at the Riken Conference on Muon-Catalyzed and Cold Fusion, Tokyo, Japan, 1989.
350. K. Yi, D. Jiang, X. Qian, J. Lin, Y. Ye, A study of D-D fusion in TiD target induced by ¹⁹⁷Au bombardment. *Nucl. Techniques (China)* **17**, 722 (in Chinese) (1994).
351. D. H. Beddingfield, F. E. Cecil, C. S. Galovich, H. Liu, S. Asher, Characterization of charged particle bursts from deuterium loaded thin titanium foils, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 99.
352. T. Wang, Y. Piao, J. Hao, X. Wang, G. Jin, Z. Niu, Anomalous phenomena in E<18 KeV hydrogen ion beam implantation experiments on Pd and Ti, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 401.
353. T. Wang, Z. Wang, J. Chen, G. Jin, Y. Piao, Investigating the unknown nuclear reaction in a low-energy (E<300 keV) p + T₂H_x experiment. *Fusion Technol.* **37**, 146 (2000).

354. T. Wang, K. Ochiai, Z. Wang, G. Jing, T. Iida, A. Takahashi, Anomalous radiation induced by 1-300 keV deuteron ion beam implantation on palladium and titanium, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 490.
355. K. Ochiai, K. Maruta, H. Miyamaru, A. Takahashi, Measurement of high-energetic particles from titanium sheets implanted with deuterium, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 274.
356. H. O. Menlove, M. M. Fowler, E. Garcia, A. Mayer, M. C. Miller, R. R. Ryan, Measurement of neutron emission from cylinders containing titanium with pressurized deuterium gas, Presented at the Workshop on Cold Fusion Phenomena, Santa Fe, NM., 1989.
357. A. De Ninno, A. Frattolillo, G. Lollobattista, L. Martinis, M. Martone, L. Mori, S. Podda, F. Scaramuzzi, Emission of neutrons as a consequence of titanium-deuterium interaction. *Nuovo Cimento Soc. Ital. Fis. A* **101**, 841 (1989).
358. M. R. Swartz, G. Verner, Bremsstrahlung in hot and cold fusion. *J. New Energy* **3**, 90-101 (1999).
359. J. L. McKibben, Can cold fusion be catalyzed by fractionally-charged ions that have evaded FC particle searches. *Infinite Energy* **1**, 14-23 (1995).
360. Y. N. Bazhutov, G. M. Vereshkov, R. N. Kuz'min, A. M. Frolov, Interpretation of cold nuclear fusion by means of Erzion catalysis, Presented at the Fiz. Plazmy Nekotor. Vopr. Obshch. Fiz. M., 1990.
361. Y. N. Bazhutov, Erzion model of catalytic nuclear transmutation and Its interpretation of ball-lightning and other anomalous geophysical phenomena, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 396.
362. Y. N. Bazhutov, V. P. Koretsky, Possibility of radioactive waste utilization in terms of the Erzion model, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 392.
363. Y. N. Bazhutov, Erzion discovery in cosmic rays and its possible great role in nature in framework of Erzion model of cold nuclear transmutation, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 269.
364. J. Rafelski, M. Sawicki, M. Gajda, D. Harley, Nuclear reactions catalyzed by a massive negatively charged particle. How Cold Fusion Can Be Catalyzed. *Fusion Technol.* **18**, 136 (1990).
365. T. Matsumoto, Prediction of new particle emission on cold fusion. *Fusion Technol.* **18**, 647-651 (1990).
366. T. Matsumoto, Progress of NATTOH model and new particles emitted during cold fusion, in Anomalous Nuclear Effects in Deuterium/Solid Systems, "AIP Conference Proceedings 228", Ed: S. Jones, F. Scaramuzzi, D. Worledge, (American Institute of Physics, New York, Brigham Young Univ., Provo, UT, 1990), 827-839.
367. T. Matsumoto, Observation of gravity decays of multiple-neutron nuclei during cold fusion. *Fusion Technol.* **22**, 164 (1992).
368. T. Matsumoto, Mechanisms of cold fusion: Comprehensive explanations by the Nattoh model. *Mem. Fac. Eng. Hokkaido Univ.* **19**, 201 (1995).
369. T. Matsumoto, Cold fusion experiments with ordinary water and thin nickel foil. *Fusion Technol.* **24**, 296-306 (1993).
370. T. Matsumoto, Observation of meshlike traces on nuclear emulsions during cold fusion. *Fusion Technol.* **23**, 103 (1993).
371. I. Savvatimova, Reproducibility of experiments in glow discharge and processes accompanying deuterium ions bombardment, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 277-283.
372. I. Savvatimova, J. Dash, Emission registration on films during glow discharge experiments, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 312-318.
373. G. Lochak, L. I. Urutskoev, Low-energy nuclear reactions and the leptonic monopole, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 421-437.

374. F. Tanzella, J. Bao, M. C. McKubre, P. I. Hagelstein, Stimulation of metal deuteride wires at cryogenic temperatures, in ICCF-16, Ed: M. Srinivasan, J. P. Biberian, (New Energy Foundation, Chennai, India, 2011), 81-91.
375. F. Tanzella, M. C. McKubre, Calorimetry of pulse electro-melting of PdD_x wires, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 42-46.
376. F. L. Tanzella, J. Bao, M. C. H. McKubre, Cryogenic calorimetry of "exploding" PdD_x wires. *J. Cond. Matter Nucl. Sci.* **6**, 90-100 (2012).
377. E. A. Pryakhin, G. A. Tryapitsina, L. L. Uruts koyev, A. V. Akleyev, Assessment of the biological effects of "strange" radiation, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 537-545.
378. K. Shoulders, S. Shoulders, Observations on the role of charge clusters in nuclear cluster reactions. *J. New Energy* **1**, 111-121 (1996).
379. K. Shoulders, Projectiles from the dark side. *Infinite Energy* **12**, 39-40 (2006).
380. K. Shoulders, S. Shoulders, Charge clusters in action, in Conference on Future Energy, Ed, (Integrity Research Institute, Bethesda, MD, 1999), 1.
381. E. H. Lewis, Tracks of ball lightning in apparatus? *J. Cond. Matter Nucl. Sci.* **2**, 13 (2009).
382. R. A. Oriani, J. C. Fisher, Nuclear reactions produced in an operating electrolytic cell, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 295-303.
383. V. I. Vysotskii, S. V. Adamenko, Correlated states of interacting particles and problems of the coulomb barrier transparency at low energies in nonstationary systems. *Technical Phys.* **55**, 613 (2010).
384. K. Kamada, Electron impact H-H and D-D fusions in molecules embedded in Al., in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 551-554.
385. K. Kamada, Electron impact H-H and D-D fusions in molecules embedded in Al. 1. Experimental results. *Jpn. J. Appl. Phys. A* **31**, L1287 (1992).
386. K. Kamada, Y. Katano, N. Ookubo, I. Yoshizawa, Anomalous heat evolution of deuteron implanted Al upon electron bombardment. IV Trial to observe the nuclear reactions, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 341.
387. K. Kamada, H. Kinoshita, H. Takahashi, Anomalous heat evolution of deuteron implanted Al on electron bombardment, in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 41.
388. I. P. Chernov, Y. M. Koroteev, V. M. Silkin, Y. I. Tyurin, Excitation of hydrogen subsystem in metals by external influence, in 8th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: J. Rothwell, P. Mobberley, (The International Society for Condensed Matter Science, Catania, Sicily, Italy, 2007), 27-37.
389. I. P. Chernov, Y. M. Koroteev, V. M. Silkin, Y. I. Tyurin, Excitation of hydrogen subsystem in metals by external influence, in International Conference on Condensed Matter Nuclear Science , ICCF-13, Ed: Y. Bazhutov, (Tsiolkovsky Moscow Technical University, Sochi, Russia, 2007), vol. 1, 63-71.
390. S. Adamenko, V. Vysotskii, Experimental observation and a possible way to the creation of anomalous isotopes and stable superheavy nuclei via the electron-nucleus collapse, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 493-508.
391. S. Adamenko, V. Vysotskii, The conditions and realization of self-similar coulomb collapse of condensed target and low-energy laboratory nucleosynthesis, in 11th International Conference on Cold Fusion, Ed: J. P. Biberian, (World Scientific Co., Marseilles, France, 2004), 505--520.
392. S. V. Adamenko, V. I. Vysotskii, Evolution of annular self-controlled electron-nucleus collapse in condensed targets. *Foundations of Phys.* **34**, 1801-1831 (2004).
393. S. V. Adamenko, V. I. Vysotskii, Mechanism of synthesis of superheavy nuclei via the process of controlled electron-nuclear collapse. *Foundations of Phys.* **17**, 203-233 (2004).
394. S. V. Adamenko, A. S. Adamenko, V. I. Vysotskii, Full range nucleosynthesis in the laboratory. *Infinite Energy* **54**, (2004).

395. S. Adamenko, V. Vysotskii, Observatiobn and modeling of the ordered motion of hypothetical magnetically charged particles on the multilayer surface and the problem of low-energy fusion, in *Condensed Matter Nuclear Science, ICCF-12*, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 356.
396. S. V. Adamenko, F. Selleri, A. van der Merwe, Eds., *Controlled Nucleosynthesis, Breakthroughs in Experiment and Theory*, (Springer, Dordrecht, The Netherlands, 2007), pp. 773.
397. V. Adamenko, V. Vysotskii, The possible mechanism of creation of light magnetic monopoles in strong magnetic field of a laboratory system, in *14th International Conference on Condensed Matter Nuclear Science*, Ed: D. L. Nagel, M. E. Melich, Washington DC, 2008), vol. 2, 484-489.
398. C. Steinert, Laser-induced 'semicold' fusion. *Fusion Technol.* **17**, 206 (1990).
399. I. L. Beltyukov, N. B. Bondarenko, A. A. Janelidze, M. Y. Gapanov, K. G. Gribanov, S. V. Kondratov, A. G. Maltsev, P. I. Novikov, S. A. Tsvetkov, V. I. Zakharov, Laser-induced cold nuclear fusion in Ti-H₂-D₂-T₂ compositions. *Fusion Technol.* **20**, 234-238 (1991).
400. O. M. Vokhnik, B. I. Goryachev, A. A. Zubrilo, G. P. Kutznetsova, Y. V. Popov, S. I. Svertilov, Search for effects related to nuclear fusion in the optical breakdown of heavy water. *Sov. J. Nucl. Phys.* **55**, 1772 (1992).
401. V. Violante, M. Bertolotti, E. Castagna, I. Dardik, M. C. McKubre, S. Moretti, S. Lesin, F. Sarto, F. Tanzella, T. Zilov, Progress in excess power production by laser triggering, in *Condensed Matter Nuclear Science, ICCF-12*, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 55-64.
402. M. Apicella, E. Castagna, L. Capobianco, L. Daulerio, M. C. McKubre, A. Rosada, E. Santoro, F. Sarto, C. Sibilila, F. Tanzella, V. Violante, Nuclear effects in electrochemical experiments, Presented at the ASTI-5, Asti, Italy, 2004.
403. J. Tian, L. H. Jin, B. J. Shen, Z. K. Weng, X. Lu, Excess heat triggering by 532 nm laser in a D/Pd gas loading system, in *ICCF-14 International Conference on Condensed Matter Nuclear Science*, Ed: D. L. Nagel, M. E. Melich, (www.LENR.org, Washington, DC, 2008), vol. 1, 328-332.
404. E. V. Barmina, P. G. Kuzmin, S. F. Timashev, G. A. Shafeev, L. Y. Karpov, Laser-induced synthesis and decay of Tritium under exposure of solid targets in heavy water. *arXiv:1306.080v1*, (2013).
405. S. Badieli, P. U. Andersson, L. Holmlid, High-energy Coulomb explosions in ultra-dense deuterium: Time-of-flight-mass spectrometry with variable energy and flight length. *Int. J. Mass Spectro.* **282**, 70-76 (2009).
406. S. Badieli, L. Holmlid, Experimental studies of fast fragments of H Rydberg matter. *J. Phys. B: At. Mol. Opt. Phys.* **39**, 4191-4212 (2006).
407. K. Tsuchiya, A. Watanabe, M. Ozaki, S. Sasabe, Observation of optical phonon in hydrogen storage Pd using Raman spectroscopy, in *14th International Conference on Condensed Matter Nuclear Science*, Ed: D. L. Nagel, M. E. Melich, (<http://lenr-canr.org/acrobat/TsuchiyaKobservatio.pdf>, Washington, DC., 2008), vol. 1, 338-342.
408. L. Caneve, Characterization of materials by means of laser-based techniques, in *15th International Conference on Condensed Matter Nuclear Science*, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 170-174.
409. R. M. Montereali, S. Almaviva, T. Marolo, M. A. Vincenti, F. Sarto, C. Sibilila, E. Castagna, V. Violante, A novel LiF-based detector for X-ray imaging in hydrogen loaded Ni flims under laser irradiation, in *Condensed Matter Nuclear Science, ICCF-12*, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 351.
410. Y. Arata, Y. Zhang, Development of compact nuclear fusion reactor using solid pycnodeuterium as nuclear fuel, in *Tenth International Conference on Cold Fusion*, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 139.
411. D. Letts, D. Cravens, Laser stimulation of deuterated palladium. *Infinite Energy* **9**, 10 (2003).
412. D. Letts, D. Cravens, Laser stimulation of deuterated palladium: past and present, in *Tenth International Conference on Cold Fusion*, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 159-170.
413. E. K. Storms, Use of a very sensitive Seebeck calorimeter to study the Pons-Fleischmann and Letts effects, in *Tenth International Conference on Cold Fusion*, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 183-197.

414. M. C. McKubre, The conditions for excess heat production in the D/Pd system, Presented at the ASTI-5, Asti, Italy, 2004.
415. M. R. Swartz, Photo-induced excess heat from laser-irradiated electrically polarized palladium cathodes in D₂O, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 213-225.
416. D. Letts, D. Cravens, P. L. Hagelstein, Dual laser stimulation and optical phonons in palladium deuteride, in *Low-Energy Nuclear Reactions Sourcebook Volume 2*, J. Marwan, S. Krivit, Eds. (Oxford University Press, 2009).
417. P. I. Hagelstein, D. Letts, Analysis of some experimental data from the two-laser experiment. *J. Cond. Matter Nucl. Sci.* **3**, 77-92 (2010).
418. P. I. Hagelstein, D. Letts, D. Cravens, Terahertz difference frequency response of PdD in two-laser experiments. *J. Cond. Matter Nucl. Sci.* **3**, 59-76 (2010).
419. R. W. Bass, Optimal laser wavelength for resonant transmission through the coulomb barrier, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 1009-1013.
420. S. Szpak, F. Gordon, Forcing the Pd/¹H-¹H₂O system into a nuclear active state, Presented at the ICCF-17, Daejeon, Korea, 2012.
421. S. Szpak, P. A. Mosier-Boss, C. Young, F. Gordon, The effect of an external electric field on surface morphology of co-deposited Pd/D films. *J. Electroanal. Chem.* **580**, 284-290 (2005).
422. S. Szpak, P. A. Mosier-Boss, C. Young, F. Gordon, Evidence of nuclear reactions in the Pd lattice. *Naturwissenschaften* **92**, 394 (2005).
423. S. Szpak, P. A. Mosier-Boss, M. Miles, M. Fleischmann, Thermal behavior of polarized Pd/D electrodes prepared by co-deposition. *Thermochim. Acta* **410**, 101 (2004).
424. S. Szpak, P. A. Mosier-Boss, M. H. Miles, Calorimetry of the Pd+D co-deposition. *Fusion Technol.* **36**, 234 (1999).
425. S. Szpak, P. A. Mosier-Boss, J. Dea, F. Gordon, Polarized D+/Pd-D₂O system: hot spots and "mini-explosions", in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 13.
426. S. Szpak, P. A. Mosier-Boss, Nuclear and thermal events associated with Pd + D co-deposition. *J. New Energy* **1**, 54 (1996).
427. S. Szpak, P. A. Mosier-Boss, J. J. Smith, On the behavior of the cathodically polarized Pd/D system: Search for emanating radiation. *Physics Lett. A* **210**, 382 (1996).
428. S. Szpak, P. A. Mosier-Boss, J. J. Smith, Reliable procedure for the initiation of the Fleischmann-Pons effect, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 87.
429. S. Szpak, P. A. Mosier-Boss, J. J. Smith, On the behavior of Pd deposited in the presence of evolving deuterium. *J. Electroanal. Chem.* **302**, 255 (1991).
430. M. R. Swartz, G. Verner, A. Weinberg, Non-thermal near-IR emission from high impedance and codeposition LANR devices, in 14th International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, Washington DC, 2008), vol. 1, 343-361.
431. O. Shirai, S. Kihara, Y. Sohrin, M. Matsui, Some experimental results relating to cold nuclear fusion. *Bull. Inst. Chem. Res., Kyoto Univ.* **69**, 550 (1991).
432. M. H. Miles, S. Szpak, P. A. Mosier-Boss, M. Fleischmann, Thermal behavior of polarized Pd/D electrodes prepared by co-deposition, in The Ninth International Conference on Cold Fusion, Ed: X.-Z. Li, (Tsinghua University Press, Tsinghua University, Beijing, China, 2002), 250.
433. J. P. Biberian, Excess heat during co-deposition of palladium and deuterium, Presented at the ASTI-5, Asti, Italy, 2004.
434. D. Letts, P. I. Hagelstein, Modified Szpak protocol for excess heat. *J. Cond. Matter Nucl. Sci.* **6**, 44-54 (2012).
435. M. C. H. McKubre, S. Crouch-Baker, A. M. Riley, S. I. Smedley, F. L. Tanzella, Excess power observations in electrochemical studies of the D/Pd system; the influence of loading, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 5.
436. F. L. Tanzella, S. Crouch-Baker, A. McKeown, M. C. H. McKubre, M. Williams, S. Wing, Parameters affecting the loading of hydrogen isotopes into palladium cathodes, in Sixth

- International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 171.
437. E. K. Storms, Relationship between open-circuit-voltage and heat production in a Pons-Fleischmann cell, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 356.
438. Y. Oya, M. Aida, K. Iinuma, M. Okamoto, A role of alkaline ions for dynamic movement of hydrogen isotopes in Pd, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 302.
439. Y. Oya, H. Ogawa, M. Aida, K. Iinuma, M. Okamoto, Material conditions to replicate the generation of excess energy and the emission of excess neutrons, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 285.
440. R. Dus, E. Nowicka, Segregation of deuterium and hydrogen on surfaces of palladium deuteride and hydride at low temperatures. *Langmuir* **16**, 584 (2000).
441. M. C. McKubre, Excess power observations in electrochemical studies of the D/Pd system; the operating parameter Space, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 5-10.
442. R. A. Oriani, J. C. Nelson, S.-K. Lee, J. H. Broadhurst, Calorimetric measurements of excess power output during the cathodic charging of deuterium into palladium. *Fusion Technol.* **18**, 652 (1990).
443. M. C. H. McKubre, S. Crouch-Baker, F. L. Tanzella, M. Williams, S. Wing, New hydrogen energy research at SRI, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 75.
444. A. Czerwinski, Influence of lithium cations on hydrogen and deuterium electrosorption in palladium. *Electrochim. Acta* **39**, 431 (1994).
445. N. Asami, T. Senjuh, H. Kamimura, M. Sumi, E. Kennel, T. Sakai, K. Mori, H. Watanabe, K. Matsui, Material behaviour of highly deuterium loaded palladium by electrolysis, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 67.
446. K. Ota, H. Yoshitake, O. Yamazaki, M. Kuratsuka, K. Yamaki, K. Ando, Y. Iida, N. Kamiya, Heat measurement of water electrolysis using Pd cathode and the electrochemistry, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 2, 5.
447. M. R. Swartz, G. Verner, Excess heat from low-electrical conducting heavy water spiral-wound Pd/D₂O/Pt and Pd/D₂O-PdCl₂/Pt devices, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 29-44.
448. I. Dardik, H. Branover, A. El-Boher, D. Gazit, E. Golbreich, E. Greenspan, A. Kapusta, B. Khachatorov, V. Krakov, S. Lesin, B. Michailovitch, G. Shani, T. Zilov, Intensification of low energy nuclear reactions using superwave excitation, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 61.
449. I. Dardik, Superwave reality, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 81.
450. I. Dardik, T. Zilov, H. Branover, A. El-Boher, E. Greenspan, B. Khachatorov, V. Krakov, S. Lesin, M. Tsirlin, Excess heat in electrolysis experiments at Energetics Technologies, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 84.
451. I. Dardik, T. Zilov, H. Branover, A. El-Boher, E. Greenspan, B. Khachaturov, V. Krakov, S. Lesin, M. Tsirlin, Progress in electrolysis experiments at Energetics Technologies, Presented at the Condensed Matter Nuclear Science, ICCF-12, Yokohama, Japan, 2005.
452. I. Dardik, T. Zilov, H. Branover, A. El-Boher, E. Greenspan, B. Khachaturov, V. Krakov, S. Lesin, M. Tsirlin, Excess heat in electrolysis experiments at Energetics Technologies, Presented at

- the 6th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Siena, Italy, 2005.
453. I. Dardik, T. Zilov, H. Branover, A. El-Boher, E. Greenspan, B. Khachaturov, V. Krakov, S. Lesin, A. Shapiro, M. Tsirlin, Ultrasonically-excited electrolysis Experiments at Energetics Technologies, in ICCF-14, International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, Washington, DC, 2008), vol. 1, 106-122.
 454. M. C. McKubre, F. Tanzella, I. Dardik, A. El Boher, T. Zilov, E. Greenspan, C. Sibilina, V. Violante, Replication of condensed matter heat production, in *ACS Symposium Series 998, Low-Energy Nuclear Reactions Sourcebook*, J. Marwan, S. B. Krivit, Eds. (American Chemical Society, Washington, DC, 2008), pp. 219.
 455. T. Ohmori, T. Mizuno, Nuclear transmutation reaction caused by light water electrolysis on tungsten cathode under incandescent conditions. *Infinite Energy* **5**, 34 (1999).
 456. T. Ohmori, 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, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 279.
 457. T. Mizuno, T. Akimoto, T. Ohmori, Confirmation of anomalous hydrogen generation by plasma electrolysis, Presented at the 4th Meeting of Japan CF Research Society, Iwate, Japan: Iwate University, 2003.
 458. T. Mizuno, T. Ohmori, T. Akimoto, Generation of heat and products during plasma electrolysis, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 73-88.
 459. J.-F. Fauvarque, P. P. Clauzon, G. Lalleve, G. Le Buzit, Abnormal excess heat measured during Mizuno-type experiments: a possible artefact?, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 52-56.
 460. L. Kowalski, S. R. Little, G. Luce, Searching for excess heat in Mizuno-type plasma electrolysis, Presented at the 12th International Conference on Cold Fusion, Yokohama, Japan, 2005.
 461. R. E. Godes, R. George, F. Tanzella, M. C. McKubre, Controlled electron capture and the path toward commercialization, Presented at the ICCF-17, Daejeon, Korea, 2012.
 462. M. R. Swartz, Optimal operating point manifolds in active, loaded palladium linked to three distinct physical regions, Presented at the ICCF-14, Washington, DC, 2008.
 463. M. R. Swartz, Generality of optimal operating point behavior in low energy nuclear systems. *J. New Energy* **4**, 218-228 (1999).
 464. B. Baranowski, S. M. Filipek, M. Szustakowski, J. Farny, W. Woryna, Search for 'cold fusion' in some Me-D systems at high pressures of gaseous deuterium. *J. Less-Common Met.* **158**, 347-357 (1990).
 465. A. Stroka, B. Baranowski, S. M. Filipek, Search for ^3He and ^4He in Pd-D₂ system long term cumulation experiment in high pressure. *Pol. J. Chem.* **67**, 353 (1993).
 466. V. Violante, Material science for understanding the Fleischmann and Pons Effect, Presented at the New advances on the Fleischmann-Pons Effect, European Parliament, Bruxelles, 2013.
 467. E. K. Storms, What conditions are required to initiate the LENR effect?, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 285.
 468. D. Letts, D. Cravens, Cathode fabrication methods to reproduce the Letts-Cravens effect, Presented at the ASTI-5, Asti, Italy, 2004.
 469. K. Ota, M. Kuratsuka, K. Ando, Y. Iida, H. Yoshitake, N. Kamiya, Heat production at the heavy water electrolysis using mechanically treated cathode, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 71.
 470. E. K. Storms, Some characteristics of heat production using the "cold fusion" effect. *Trans. Fusion Technol.* **26**, 96 (1994).
 471. E. K. Storms, Some characteristics of heat production using the "cold fusion" effect, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 2, 4.
 472. M. Fleischmann, S. Pons, Calorimetry of the Pd-D₂O system: from simplicity via complications to simplicity. *Phys. Lett. A* **176**, 118 (1993).

473. G. Lonchamp, L. Bonnetain, P. Hieter, Reproduction of Fleischmann and Pons experiments, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 113-120.
474. G. Lonchamp, J.-P. Biberian, L. Bonnetain, J. Delepine, Excess heat measurement with Pons and Fleischmann Type cells, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 202.
475. G. Mengoli, M. Bernardini, C. Manduchi, G. Zannoni, Calorimetry close to the boiling temperature of the D₂O/Pd electrolytic system. *J. Electroanal. Chem.* **444**, 155 (1998).
476. M. R. Swartz, G. M. Verner, A. H. Frank, The impact of heavy water (D₂O) on nickel-light water cold fusion systems, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 335-342.
477. R. P. Santandrea, R. G. Behrens, A review of the thermodynamics and phase relationships in the palladium- hydrogen, palladium-deuterium and palladium-tritium systems. *High Temperature Materials and Processes* **7**, 149 (1986).
478. T. B. Flanagan, W. A. Oates, The palladium-hydrogen system. *Annu. Rev. Mater. Sci.* **21**, 269 (1991).
479. I. S. Anderson, D. K. Ross, C. J. Carlile, The structure of the γ phase of palladium deuteride. *Phys. Lett. A* **68**, 249 (1978).
480. G. A. Ferguson, A. I. Schindler, T. Tanaka, T. Morita, Neutron diffraction study of temperature-dependent properties of palladium containing absorbed hydrogen. *Phys. Rev.* **137**, 483 (1965).
481. D. H. W. Carstens, W. R. David, "Equilibrium measurements in the beta region of palladium protide and palladium deuteride," (Los Alamos National Laboratory, Los Alamos, 1989), LA-11456-MS.
482. D. M. Nace, J. G. Aston, Palladium hydride. III. The thermodynamic study of Pd₂D between 15 and 303° K. Evidence for the tetragonal PdH₄ structure in palladium hydride. *J. Am. Chem. Soc.* **79**, 3627 (1957).
483. D. M. Nace, J. G. Aston, Palladium hydride. I. The thermodynamic properties of Pd₂H between 273 and 345 K. *J. Am. Chem. Soc.* **79**, 3619 (1957).
484. Y. Fukai, N. Okuma, Evidence of Copious Vacancy formation in Ni and Pd under a high hydrogen pressure. *Jpn. J. Appl. Phys.* **32**, L1256-1259 (1993).
485. Y. Fukai, N. Okuma, Formation of superabundant vacancies in Pd hydride under high hydrogen pressures. *Phys. Rev. Lett.* **73**, 1640-1643 (1994).
486. Y. Fukai, Y. Shizuku, Y. Kurokawa, Superabundant vacancy formation in Ni-H alloys. *J. Alloys Compds.* **329**, 195-201 (2001).
487. S. Miraglia, D. Fruchart, E. K. Hill, S. S. M. Tavares, D. Dos Santos, Investigation of the vacancy-ordered phases in the Pd-H system. *J. Alloys and Compounds* **317**, 77-82 (2001).
488. E. K. Storms, A study of those properties of palladium that influence excess energy production by the Pons-Fleischmann effect. *Infinite Energy* **2**, 50 (1996).
489. E. K. Storms, Anomalous heat generated by electrolysis using a palladium cathode and heavy water, Presented at the American Physical Society, Atlanta, GA, 1999.
490. N. F. Mott, H. Jones, *The theory of the properties of metals and alloys*. (Oxford Univ. Press, London, 1936).
491. R. Feenstra, R. Griessen, D. G. de Groot, Hydrogen induced lattice expansion and effective H-H interaction in single phase PdH. *J. Phys. F., Met. Phys.* **16**, 1933 (1986).
492. L. Pauling, Explanations of cold fusion" (section editor's title). *Nature (London)* **339**, 105 (1989).
493. Y. Fukai, Formation of superabundant vacancies in M-H alloys and some of its consequences: a review. *J. Alloys and Compounds* **356-357**, 263-269 (2003).
494. M. C. McKubre, F. Tanzella, Using resistivity to measure H/Pd and D/Pd loading: Method and significance, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 392.
495. B. Baranowski, S. M. Filipek, Diffusion coefficients of deuterium in palladium deuteride during absorption and desorption in high pressures of gaseous deuterium at 298 K. *Polish Journal of Chemistry* **75**, 1051 (2001).

496. B. Baranowski, R. Wisniewski, The electrical resistance of palladium and palladium-gold alloy (50 wt% Au and Pd) in gaseous hydrogen up to 24000 at at 25° C. *Phys. Stat. Sol. A* **35**, 593 (1969).
497. N. Luo, G. H. Miley, First-principles studies of ionic and electronic transport in palladium hydride, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 709-716.
498. P. Tripodi, M. C. H. McKubre, F. L. Tanzella, P. A. Honnor, D. Di Gioacchino, F. Celani, V. Violante, Temperature coefficient of resistivity at compositions approaching PdH. *Phys. Lett. A* **A276**, 122 (2000).
499. M. Berrondo, Computer simulation of D atoms in a Pd lattice, in Anomalous Nuclear Effects in Deuterium/Solid Systems, "AIP Conference Proceedings 228", Ed: S. Jones, F. Scaramuzzi, D. Worledge, (American Institute of Physics, New York, Brigham Young Univ., Provo, UT, 1990), 653.
500. L. Bertalot, F. DeMarco, A. DeNinno, R. Felici, A. LaBarbera, F. Scaramuzzi, V. Violante, Deuterium charging in palladium by electrolysis of heavy water: Measurement of lattice parameter, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 2, 29.
501. Y. Fukai, Some properties of the Fe-H system at high pressures and temperatures and their implications for the Earth's core, in High-Pressure Research: Application to Earth and Planetary Sciences, Ed: Y. Syono, M. H. Manghnani, (Terra Scientific Publishing Co, Tokyo, 1992), 373.
502. P. A. Poyser, M. Kemali, D. K. Ross, Deuterium absorption in Pd_{0.9}Y_{0.1} alloy. *J. Alloys and Compounds* **253-254**, 175 (1997).
503. A. C. Lawson, J. W. Conant, R. Robertson, R. K. Rohwer, V. A. Young, C. L. Talcott, Debye-Waller factors of PdDx materials by neutron powder diffraction. *J. Alloys and Compounds* **183**, 174 (1992).
504. R. A. Bond, D. K. Ross, The use of Monte Carlo simulations in the study of a real lattice gas and its application to the α' Pd-D system. *J. Phys. F: Met. Phys.* **12**, 597 (1982).
505. R. Abbenseth, H. Wipf, Thermal expansion and lattice anharmonicity of Pd-H and Pd-D alloys. *J. Phys. F: Met. Phys.* **10**, 353 (1980).
506. C. L. Talcott, Palladium Lattice Dimension Changes Associated With the Two Legs of the Hysteresis Loop, Presented at the JOWOG-12 Meeting, Atomic Weapons Estab., Aldermaston, 1990.
507. R. Felici, L. Bertalot, A. De Ninno, A. La Barbera, V. Violante, In situ measurement of the deuterium (hydrogen) charging of a palladium electrode during electrolysis by energy dispersive x-ray diffraction. *Rev. Sci. Instr.* **66**, 3344 (1995).
508. N. Asami, T. Senjuh, T. Uehara, M. Sumi, H. Kamimura, S. Miyashita, K. Matsui, Material behavior of highly deuterated palladium, Presented at the The Ninth International Conference on Cold Fusion, Beijing, China: Tsinghua University, 2002.
509. J. M. Rowe, J. J. Rush, H. G. Smith, M. Mostoller, H. E. Flotow, Lattice dynamics of a single crystal of PdD_{0.63}. *Phys. Rev. Lett.* **33**, 1297-1300 (1974).
510. S. M. Bennington, M. J. Benham, P. R. Stonadge, J. P. A. Fairclough, D. K. Ross, In-situ measurements of deuterium uptake into a palladium electrode using time-of-flight neutron diffractometry. *J. Electroanal. Chem.* **281**, 323 (1990).
511. J. E. Worsham Jr., M. K. Wilkinson, C. G. Shull, Neutron-diffraction observations on the palladium-hydrogen and palladium-deuterium systems. *J. Phys. Chem. Solids* **3**, 303 (1957).
512. S. Pyun, C. Lim, K.-B. Kim, An investigation of the electrochemical kinetics of deuterium insertion into a Pd membrane electrode in 0.1M LiOD solution by the a.c. impedance technique. *J. Alloys and Compounds* **203**, 149 (1994).
513. J. K. Baird, Isotope effect in hydrogen atom diffusion in metals. *Phys. Rev. Lett.* submitted, (1994).
514. I. I. Astakhov, V. E. Kazarinov, L. A. Reznikova, G. L. Teplitskaya, Diffusion of hydrogen isotopes in palladium hydride and deuteride in the presence of lithium. *Russ. J. Electrochem.* **30**, 1379 (1994).
515. G. L. Powell, R. Lässer, J. R. Kirkpatrick, J. W. Conant, "Surface and Bulk Effects in the Reaction of H and D with Pd," (Oak Ridge National Laboratory, 1991), Y-DZ-749/R1.

516. G. L. Powell, J. R. Kirkpatrick, J. W. Conant, Surface Effects in the Reaction of H and D with Pd-Macroscopic Manifestations. *J. Less-Common Met.* **172-174**, 867 (1991).
517. J. Jorné, Unsteady diffusion reaction of electrochemically produced deuterium in palladium rod. *J. Electrochem. Soc.* **137**, 369 (1990).
518. R. G. Leisure, L. A. Nygren, D. K. Hsu, Ultrasonic relaxation rates in palladium hydride and palladium deuteride. *Phys. Rev. B: Mater. Phys.* **33**, 8325 (1986).
519. S. Majorowski, B. Baranowski, Diffusion coefficients of hydrogen and deuterium in highly concentrated palladium hydride and deuteride phases. *J. Phys. Chem. Solid.* **43**, 1119 (1982).
520. M. Tamaki, K. Tasaka, Field formation of the condensed matter fusion by electro-transport of deuterium in palladium, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 593.
521. R. C. Brouwer, R. Griessen, Electromigration of hydrogen in alloys: Evidence of unscreened proton behavior. *Phys. Rev. Lett.* **62**, 1760 (1989).
522. A. J. Maeland, T. R. P. Gibb Jr., X-Ray diffraction observations of the Pd-H system through the critical region. *J. Phys. Chem.* **65**, 1270 (1961).
523. H. C. Jamieson, G. C. Weathrely, F. D. Manchester, The β - α phase transformation in palladium-hydrogen alloys. *J. Less-Common Met.* **56**, 85 (1976).
524. J. E. Schirber, B. Morosin, Lattice constants of beta-Pd-H_x and beta-PdD_x with x near 1.0. *Phys. Rev. B* **12**, 117 (1975).
525. G. Mengoli, M. Fabrizio, C. Manduchi, G. Zannoni, Surface and bulk effects in the extraction of hydrogen from highly loaded Pd sheet electrodes. *J. Electroanal. Chem.* **350**, 57-72 (1993).
526. M. Bertolotti, G. L. Liakhov, R. Li Voti, S. Paoloni, C. Sibilina, V. Violante, Nondestructive evaluation of the thermal properties of palladium-hydrogen compounds by photothermal techniques, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 22-26.
527. A. C. Switendick, Electronic structure and stability of palladium hydrogen (deuterium) systems, PdH(D)_n, 1 ≤ n ≤ 3. *J. less-Common Met.* **172-174**, 1363 (1991).
528. P. M. Richards, Molecular-dynamics investigation of deuterium separation in PdD_{1.1}. *Phys. Rev. B* **40**, 7966 (1989).
529. S.-H. Wei, A. Zunger, Instability of diatomic deuterium in fcc palladium. *J. Fusion Energy* **9**, 367 (1990).
530. S. H. Wei, A. Zunger, Stability of atomic and diatomic hydrogen in fcc palladium. *Solid State Commun.* **73**, 327 (1990).
531. B. I. Dunlap, D. W. Brenner, R. C. Mowrey, J. W. Mintmire, C. T. White, Linear combination of Gaussian-type orbitals - local-density-functional cluster studies of D-D interactions in titanium and palladium. *Phys. Rev. B* **41**, 9683 (1990).
532. G. V. Fedorovich, Screening of the Coulomb potential in a nondegenerate hydrogen isotope gas. *Fusion Technol.* **25**, 120 (1994).
533. G. Preparata, Cold fusion '93': Some theoretical ideas. *Trans. Fusion Technol.* **26**, 397-407 (1994).
534. H. Yuki, T. Satoh, T. Ohtsuki, T. Aoki, H. Yamazaki, J. Kasagi, Reaction rates of the D+D reaction in metal at very low energies, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 259.
535. S. E. Jones, E. P. Palmer, J. B. Czirr, D. L. Decker, G. L. Jensen, J. M. Thorne, S. F. Taylor, J. Rafelski, Observation of cold nuclear fusion in condensed matter. *Nature (London)* **338**, 737 (1989).
536. K. P. Sinha, A. Meulenberg, Lochon-mediated low-energy nuclear reactions. *J. Cond. Matter Nucl. Sci.* **6**, 55-63 (2012).
537. E. N. Tsyganov, Cold nuclear fusion. *Phys. Atomic Nuclei* **75**, 153-159 (2011).
538. K. Czarski, Enhanced electron screening and nuclear mechanism of cold fusion, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 197-202.
539. M. L. Oliphant, P. Harteck, E. Rutherford, Transmutation effects observed with heavy hydrogen. *Nature (London)* **133**, 413-413 (1934).

540. R. J. Beuhler, G. Friedlander, L. Friedman, Cluster-impact fusion [Erratum]. *Phys. Rev. Lett.* **88**, 2108 (1992).
541. R. J. Beuhler, Y. Y. Chu, G. Friedlander, L. Friedman, W. Kunnmann, Deuteron-deuteron fusion by impact of heavy-water clusters on deuterated surfaces. *J. Phys. Chem.* **94**, 7665 (1991).
542. R. J. Beuhler, G. Friedlander, L. Friedman, Cluster-impact fusion. *Phys. Rev. Lett.* **63**, 1292 (1990).
543. R. J. Beuhler, Y. Y. Chu, G. Friedlander, L. Friedman, W. Kunnmann, Deuteron-deuteron fusion by impact of heavy-water clusters on deuterated surfaces. *J. Chem. Phys.* **94**, 7665-7671 (1990).
544. R. J. Beuhler, G. Friedlander, L. Friedman, Cluster-impact fusion. *Phys. Rev. Lett.* **63**, 1292 (1989).
545. M. Rabinowitz, Y. E. Kim, R. A. Rice, G. S. Chulick, Cluster-impact fusion: Bridge between hot and cold fusion?, in Anomalous Nuclear Effects in Deuterium/Solid Systems, "AIP Conference Proceedings 228", Ed: S. Jones, F. Scaramuzzi, D. Worledge, (American Institute of Physics, New York, Brigham Young Univ., Provo, UT, 1990), 846.
546. P. M. Echenique, J. R. Manson, R. H. Ritchie, Cluster-impact fusion. *Phys. Rev. Lett.* **64**, 1413 (1990).
547. K. Czerski, New evidence of the cold nuclear fusion – accelerator experiments at very low energies, Presented at the New Advances on the Fleischmann-Pons Effect, European Parliament, Brussels, 2013.
548. A. S. Roussetski, M. N. Negodaev, A. G. Lipson, Multifunctional Ion Beam Installation "HELIS" as a new instrument for advanced LENR research, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 182-184.
549. J. Kasagi, Screening potential for nuclear reactions in condensed matter, in 14th International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, (www.LENR.org, Washington, DC, 2008), vol. 1, 318-325.
550. T. Dairaku, Y. Katayama, T. Hayashi, Y. Isobe, A. Takahashi, Studies of nuclear-reactions-in-solid in titanium deuteride under ion implantation., in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 73-76.
551. H. Ikegami, Buffer energy nuclear fusion. *Jpn. J. Appl. Phys.* **40**, 6092-6098 (2001).
552. J. Kasagi, H. Yuki, T. Baba, T. Noda, J. Taguchi, W. Galster, Strongly enhanced Li + D reaction in Pd observed in deuteron bombardment on PdLi_x with energies between 30 and 75 keV. *J. Phys. Soc. Japan* **73**, 608-612 (1998).
553. J. Kasagi, H. Yuki, T. Itoh, N. Kasajima, T. Ohtsuki, A. G. Lipson, Anomalous enhanced D(d,p)T reaction in Pd and PdO observed at very low bombarding energies, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT., Vancouver, Canada, 1998), 180-185.
554. J. Kasagi, H. Yuki, T. Baba, T. Noda, J. Taguchi, W. Galster, Energetic protons and alpha particles emitted in 150-keV deuteron bombardment on deuterated Ti. *J. Phys. Soc. Japan* **64**, 777-783 (1995).
555. J. Kasagi, T. Murakami, T. Yajima, S. Kobayashi, M. Ogawa, Measurements of the D + D reaction in Ti metal with incident energies between 4.7 and 18 keV. *J. Phys. Soc. Japan* **64**, 608-612 (1995).
556. T. Iida, M. Fukuhara, H. Miyazaki, Y. Sueyoshi, Sunarno, J. Datemichi, A. Takahashi, Deuteron fusion experiment with Ti and Pd foils implanted with deuterium beams, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 201.
557. T. G. Dignan, M. C. Bruington, R. T. Johnson, R. W. Bland, A search for neutrons from fusion in a highly deuterated cooled palladium thin film. *J. Fusion Energy* **9**, 469 (1990).
558. F. E. Cecil, D. Ferg, T. E. Furtak, C. Mader, J. A. McNeil, D. L. Williamson, Study of energetic charged particles emitted from thin deuterated palladium foils subject to high current densities. *J. Fusion Energy* **9**, 195 (1990).
559. A. T. Budnikov, P. A. Danilov, G. A. Kartamyshev, N. P. Katrich, V. P. Seminozhenko, Study of gases evolving from palladium, nickel and copper, bombarded with D⁺ ions, from palladium saturated with gases by heavy water electrolysis and by heating in deuterium. *Vopr. At. Nauki Tekh. Ser.: Fiz. Radiats. Povr. Radiats. Materialoved.*, 81 (in Russian) (1990).

560. A. Takahashi, H. Miyadera, K. Ochiai, Y. Katayama, T. Hayashi, T. Dairaku, Studies on 3D fusion reactions in TiD_x under ion beam implantation, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 657.
561. G. Preparata, Fractofusion revisited, in Anomalous Nuclear Effects in Deuterium/Solid Systems, "AIP Conference Proceedings 228", Ed: S. Jones, F. Scaramuzzi, D. Worledge, (American Institute of Physics, New York, Brigham Young Univ., Provo, UT, 1990), 840.
562. T. Takeda, T. Takizuka, Fractofusion mechanism. *J. Phys. Soc. Japan* **58**, 3073 (1989).
563. K. Yasui, Fractofusion mechanism. *Fusion Technol.* **22**, 400 (1992).
564. B. V. Derjaguin, A. G. Lipson, V. A. Kluev, D. M. Sakov, Y. P. Toporov, Titanium fracture yields neutrons? *Nature (London)* **341**, 492 (issue 6242, 6212. Oct, Scientific Corresp. (1989).
565. A. G. Lipson, B. V. Deryagin, V. A. Klyuev, Y. P. Toporov, M. G. Sirotyuk, O. B. Khavroshkin, D. M. Sakov, Initiation of nuclear fusion by cavitation action on deuterium-containing media. *Zh. Tekh. Fiz.* **62**, 121 (in Russian) (1992).
566. H. O. Menlove, M. M. Fowler, E. Garcia, A. Mayer, M. C. Miller, R. R. Ryan, S. E. Jones, The measurement of neutron emission from Ti plus D₂ gas. *J. Fusion Energy* **9**, 215 (1990).
567. H. O. Menlove, M. M. Fowler, E. Garcia, M. C. Miller, M. A. Paciotti, R. R. Ryan, S. E. Jones, Measurement of neutron emission from Ti and Pd in pressurized D₂ gas and D₂O electrolysis cells. *J. Fusion Energy* **9**, 495 (1990).
568. H. O. Menlove, M. C. Miller, Neutron-burst detectors for cold-fusion experiments. *Nucl. Instr. Methods Phys. Res. A* **299**, 10 (1990).
569. H. O. Menlove, M. A. Paciotti, T. N. Claytor, D. G. Tuggle, Low-background measurements of neutron emission from Ti metal in pressurized deuterium gas, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 385.
570. C. Sánchez, J. Sevilla, B. Escarpizo, F. Fernandez, J. Canizares, Cold fusion during electrolysis of heavy water with Ti and Pt electrodes, Presented at the Understanding Cold Fusion Phenomena, Varenna, 1989.
571. C. Sánchez, J. Sevilla, B. Escarpizo, F. J. Fernández, J. Canizares, Nuclear products detection during electrolysis of heavy water with titanium and platinum electrodes. *Solid State Commun.* **71**, 1039 (1989).
572. D. Seeliger, M. Bittner, A. Meister, R. Schwierz, T. Streil, Evidence of neutron emission from a titanium deuterium system, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 175.
573. V. I. Sannikov, V. G. Gorodetskii, E. M. Sulimov, B. G. Polosukhin, V. Y. Kudyakov, Emission of neutrons and gamma-quanta from a titanium electrode polarised by a current in the gas phase over LiD. *Rasplavy*, 86 (in Russian) (1991).
574. V. F. Zelenskii, V. F. Rybalko, Studies of neutron emission by mechanical destruction of Ti and Pd samples, saturated with deuterium. *Vopr. At. Nauki Tekh. Ser.: Fiz. Radiats. Povr. Radiats. Materialoved.* **2**, 46 (In Russian) (1991).
575. F. Scaramuzzi, Survey of gas loading experiments, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 445.
576. F. Cardone, A. Carpinteri, G. Lacidogna, Piezonuclear neutrons from fracturing of inert solids. *Phys. Lett. A* **373**, 4158-4163 (2009).
577. A. Carpinteri, F. Cardone, G. Lacidogna, A. Manuello, O. Borla, Piezonuclear reactions in inert solids revealed by neutron emissions from brittle fracture, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 251-256.
578. A. Carpinteri, F. Cardone, G. Lacidogna, Piezonuclear neutrons from brittle fracture: Early results of mechanical compression tests. *Strain* **45**, 332-339 (2009).
579. A. Carpinteri, A. Chiodoni, A. Manuello, R. Sandrone, Compositional and microchemical evidence of piezonuclear fission reactions in rock specimens subjected to compression tests. *Strain?*, (2010).

580. A. Carpinteri, A. J. Manuel, Geomechanical and geochemical evidence of piezonuclear fission reactions in the earth's crust. *Strain* **46**, (2010).
581. A. Carpinteri, A. Chiodoni, A. Manuello, R. Sandrone, You have free access to this content Compositional and Microchemical Evidence of Piezonuclear Fission Reactions in Rock Specimens Subjected to Compression Tests. *Strain* **47**, 282-292 (2010).
582. B. Y. Moizhes, Formation of a compact D₂ molecule in interstitial sites - a possible explanation for cold nuclear fusion. *Sov. Tech. Phys. Lett.* **17**, 540 (1991).
583. S. E. Weber, F. S. Liu, S. N. Khanna, B. K. Rao, P. Jena, Theory of hydrogen pairing in metals. *J. Less-Common Met.* **172-174**, 485 (1991).
584. P. I. Hagelstein, Constraints on energetic particles in the Fleischmann-Pons experiment. *Naturwissenschaften* **97**, 345 (2010).
585. B. Stritzker, J. Becker, Superconductivity in metastable Pd-alloys produced by ion implantation at low temperatures. *Phys. Lett. A* **51**, 147 (1975).
586. J. E. Schirber, C. J. M. Northrup Jr., Concentration dependence of the superconducting transition temperature In Pd-H and Pd-D. *Phys. Rev. B* **10**, 3818 (1974).
587. V. S. Postnikov, V. V. Postnikov, V. M. Fedorov, Instability and superconductivity in Pd-Ag-D and Pd-H systems. *Phys. Stat. Sol. B* **85**, K115 (1978).
588. F. A. Lewis, *The palladium hydrogen system*. (Academic Press, New York, 1967).
589. G. Shani, C. Cohen, A. Grayevsky, A. Brokman, Evidence for a background neutron enhanced fusion in deuterium absorbed palladium. *Solid State Commun.* **72**, 53 (1989).
590. B. Stella, M. Corradi, F. Ferrarotto, V. Milone, F. Celani, A. Spallone, Evidence for Stimulated Emission of Neutrons in Deuterated Palladium, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 437.
591. Y. Fukai, Formation of superabundant vacancies in metal hydrides at high temperatures. *J. Alloys and Compounds* **231**, 35-40 (1995).
592. A. Coehn, Nachweis Von Protonen in Metallen. *Z. Elektrochem.* **35**, 676 (1929).
593. H. Wipf, V. Erckman, On permeation techniques for electrotransport studies on metal-hydrogen systems. *Scripta Metal.* **10**, 813 (1976).
594. P. L. Hagelstein, Coherent and semicoherent neutron transfer reactions III: Phonon frequency shifts. *Fusion Technol.* **23**, 353-361 (1993).
595. K. P. Sinha, P. L. Hagelstein, Electron screening in metal deuterides. *Trans. Am. Nucl. Soc.* **83**, 368 (2000).
596. P. L. Hagelstein, A unified model for anomalies in metal deuterides., in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 121.
597. I. Chaudhary, P. L. Hagelstein, Coherence factors in many-particle three-level systems, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 903.
598. P. I. Hagelstein, "Anomalies in metal deuterides," (MIT, 2002).
599. P. L. Hagelstein, Unified phonon-coupled SU(N) models for anomalies in metal deuterides, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 837.
600. P. L. Hagelstein, Resonant tunneling and resonant excitation transfer, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 871.
601. I. Chaudhary, P. L. Hagelstein, Free-body nuclear wave functions, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 887.
602. P. I. Hagelstein, M. E. Melich, R. E. Johnson, Input to theory from experiment in the Fleischmann-Pons effect, in 14th International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, Washington DC, 2008), vol. 2, 586-595.
603. P. L. Hagelstein, Phonon-exchange models: Some new results, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 743.

604. P. L. Hagelstein, Models for anomalies in condensed matter deuterides, in *Condensed Matter Nuclear Science, ICCF-12*, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 441.
605. I. Chaudhary, P. L. Hagelstein, Four-body RST general nuclear wavefunctions and matrix elements, in *Condensed Matter Nuclear Science, ICCF-12*, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 527.
606. P. I. Hagelstein, I. Chaudhary, Models relevant to excess heat production in Fleischmann-Pons experiments, in *ACS Symposium Series 998, Low-Energy Nuclear Reactions Sourcebook*, J. Marwan, S. B. Krivit, Eds. (American Chemical Society, Washington, DC, 2008), pp. 249-267.
607. P. I. Hagelstein, I. Chaudhary, Electron mass shift in nonthermal systems. *J. Phys. B* **41**, 125001 (2008).
608. P. I. Hagelstein, M. C. McKubre, F. Tanzella, Electrochemical models for the Fleischmann-Pons experiment, in *15th International Conference on Condensed Matter Nuclear Science*, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 16-21.
609. P. I. Hagelstein, I. Chaudhary, Arguments for dideuterium near monovacancies in PdD, in *15th International Conference on Condensed Matter Nuclear Science*, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 282-287.
610. P. I. Hagelstein, I. Chaudhary, Energy exchange using spin-boson models with infinite loss, 2010 (personal communication)
611. P. I. Hagelstein, Lecture at MIT, in <http://www.youtube.com/watch?v=Al7NMQLvATo>. (2014).
612. P. L. Hagelstein, Coherent fusion theory. *J. Fusion Energy* **9**, 451-464 (1990).
613. P. L. Hagelstein, S. Kaushik, Neutron transfer reactions, in *Fourth International Conference on Cold Fusion*, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Ma, 1993), vol. 4, 10.
614. P. I. Hagelstein, Bird's eye view of phonon models for excess heat in the Fleischmann-Pons experiment. *J. Cond. Matter Nucl. Sci.* **6**, 169-180 (2012).
615. P. I. Hagelstein, I. U. Chaudhary, Central and tensor contributions to the phonon-exchange matrix element for the D_2^4He Transition. *J. Cond. Matter Nucl. Sci.* **11**, 15-58 (2013).
616. P. I. Hagelstein, I. U. Chaudhary, Lossy spin-boson model with an unstable upper state and extension to N-level systems. *J. Cond. Matter Nucl. Sci.* **11**, 59-92 (2013).
617. A. B. Karabut, E. A. Karabut, Electric and Heat Measurements in High Voltage Electrolysis Cell Experiments, in *14th International Conference on Condensed Matter Nuclear Science*, Ed: D. L. Nagel, M. E. Melich, Washington DC, 2008), vol. 1, 168-175.
618. P. I. Hagelstein, I. Chaudhary, Coupling between a deuteron and a lattice. *J. Cond. Matter Nucl. Sci.* **9**, 50-63 (2012).
619. P. I. Hagelstein, I. Chaudhary, Born-Oppenheimer and fixed-point models for second-order phonon exchange in a metal. *J. Cond. Matter Nucl. Sci.* **12**, 69-104 (2013).
620. P. I. Hagelstein, I. U. Chaudhary, Phonon-nuclear coupling for anomalies in condensed matter nuclear science. *J. Cond. Matter Nucl. Sci.* **12**, 105-142 (2013).
621. M. R. Swartz, Quasi-one-dimensional model of electrochemical loading of isotopic fuel into a metal. *Fusion Technol.* **22**, 296-300 (1992).
622. M. R. Swartz, Phusons in nuclear reactions in solids. *Fusion Technol.* **31**, 228 (1997).
623. M. R. Swartz, Possible deuterium production from light water excess enthalpy experiments using nickel cathodes. *J. New Energy* **1**, 68 (1996).
624. M. R. Swartz, Optimal operating point characteristics of nickel light water experiments, in *The Seventh International Conference on Cold Fusion*, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 371.
625. M. R. Swartz, Generality of optimal operating point behavior in low energy nuclear systems. *J. New Energy* **4**, 218-228 (1999).
627. M. R. Swartz, Excess power gain using high impedance and codepositional LANR devices monitored by calorimetry, heat flow, and paired stirling engines, in *14th International Conference on Condensed Matter Nuclear Science*, Ed: D. L. Nagel, M. E. Melich, Washington DC, 2008), vol. 1, 123-146.
628. M. R. Swartz, LANR nanostructures and metamaterials driven at their optimal operating point. *J. Cond. Matter Nucl. Sci.* **6**, 149-168 (2012).

629. G. Miley, *Life at the center of the energy crisis; A technologist's search for a black swan*. (World Scientific, Singapore, 2013).
630. M. Ragheb, G. H. Miley, On the possibility of deuteron disintegration in electrochemically compressed deuterium ion (D⁺) in a palladium cathode. *Fusion Technol.* **16**, 243. (1989).
631. M. Ragheb, G. H. Miley, Deuteron disintegration in condensed media. *J. Fusion Energy* **9**, 429 (1990).
632. H. Hora, L. Cicchitelli, G. H. Miley, M. Ragheb, A. Scharmann, W. Scheid, Plasma and surface tension model for explaining the surface effect of tritium generation at cold fusion. *Nuovo Cimento Soc. Ital. Fis.* **12D**, 393 (1990).
633. H. Hora, S. Eliezer, F. J. M. Farley, A. K. Ghatak, M. P. Goldsworthy, F. Green, G. W. Kentwell, P. Lalouis, W. Scheid, R. Stening, S. Tapalaga, Eds., *Consequences of high electric fields in laser produced plasmas*, (Plenum Press, New York, 1986), pp. 347.
634. H. Hora, P. Lalouis, R. Postle, Analysis of the inverted double layers produced by nonlinear forces in a laser-produced plasma. *Phys.Rev. Lett.* **53**, 1650 (1984).
635. G. H. Miley, J. U. Patel, J. Javedani, H. Hora, J. C. Kelly, J. Tompkins, Multilayer thin film electrodes for cold fusion, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 659.
636. G. Miley, E. G. Batyrbekov, H. Hora, J. U. Patel, J. Tompkins, R. K. Zich, Energy amplifier with multilayer thin film electrodes, in International Symposium on Cold Fusion and Advanced Energy Sources, Ed: H. Fox, (Fusion Information Center, Salt Lake City, Belarusian State University, Minsk, Belarus, 1994), 148.
637. G. H. Miley, H. Hora, E. G. Batyrbekov, R. L. Zich, Electrolytic cell with multilayer thin-film electrodes. *Trans. Fusion Technol.* **26**, 313 (1994).
638. H. Hora, J. C. Kelly, J. U. Patel, M. A. Prelas, G. H. Miley, J. W. Tompkins, Screening in cold fusion derived from D-D reactions. *Phys. Lett. A* **175**, 138 (1993).
639. H. Hora, G. H. Miley, J. C. Kelly, F. Osman, Shrinking of hydrogen atoms in host metals by dielectric effects and Inglis-Teller depression of ionization potentials., in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 135-140.
640. G. H. Miley, G. Narne, M. J. Williams, J. A. Patterson, J. Nix, D. Cravens, H. Hora, Quantitative observations of transmutation products occurring in thin-film coated microspheres during electrolysis, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 2, 629.
641. J. A. Patterson, Method for electrolysis of water to form metal hydride, USA, Patent #: 5,318,675, 1994
642. J. A. Patterson, System for electrolysis, USA, Patent #: 5,494,559, 1996.
643. H. Hora, G. H. Miley, New magic numbers from low energy nuclear transmutations predict element (306)X(126) for compound reactions. *Czech. J. Phys.* **48**, 1111 (1998).
644. H. Hora, G. H. Miley, J. C. Kelly, Y. Narne, Nuclear shell magic numbers agree with measured transmutation by low-energy reactions, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 147-151.
645. K. Rutz, M. Bender, T. Bürvenich, T. Schilling, P. G. Reinhard, J. A. Maruhn, W. Greiner, Superheavy nuclei in self-consistent nuclear calculations. *Phys. Rev. C* **56**, 238 (1997).
646. J. Audouze, S. Vauclair, *An introduction to nuclear astrophysics*. (D. Reidel Publishing Co., Dordrecht, 1980).
647. H. Hora, G. H. Miley, Heavy nuclide synthesis by neutrons in astrophysics and by screened protons in host metals. *Czech. J. Phys.* **50**, 433-439 (2000).
648. G. Miley, P. Shrestha, Transmutation reactions and associated low-energy nuclear reactions effects in solids, in *ACS Symposium Series 998, Low-Energy Nuclear Reactions Sourcebook*, J. Marwan, S. B. Krivit, Eds. (American Chemical Society, Washington, DC, 2008), pp. 173-218. (American Chemical Society, Washington, DC, 2008), pp. 173-218.
649. N. Luo, C. H. Castano, S. O. Kim, A. G. Lipson, G. H. Miley, In-situ characterization of sputtered Pd thin-films undergoing electrolysis, in The 9th International Conference on Cold Fusion,

- Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 229-232.
650. C. H. Castano, A. G. Lipson, S. O. Kim, G. H. Miley, Calorimetric measurements during Pd-Ni thin film-cathodes electrolysis in $\text{Li}_2\text{SO}_4/\text{H}_2\text{O}$ solution, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 24-28.
651. H. Hora, G. Miley, X. Z. Li, J. Kelly, F. Osman, Low-energy nuclear reactions resulting as picometer interactions with similarity to K-shell electron capture, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific C, Marseilles, France, 2004), 822.
652. H. Hora, N. Ghahramani, G. H. Miley, M. Ghanaatian, M. Hooshmand, K. Philberth, F. Osman, Quark-gluon model for magic numbers related to low energy nuclear reactions, in *Low-Energy Nuclear Reactions Sourcebook Volume 2*, J. Marwan, S. Krivit, Eds. (Oxford University Press, 2009).
653. G. Miley, X. Yang, K.-J. Kim, H. Hora, Use of D/H Clusters in LENR and Recent Results from Gas Loaded Nanoparticle-Type Clusters, Presented at the ICCF-17, 2012.
654. A. Takahashi, T. Iida, F. Maekawa, H. Sugimoto, S. Yoshida, Windows of cold nuclear fusion and pulsed electrolysis experiments. *Fusion Technol.* **19**, 380 (1991).
655. A. Takahashi, Cold fusion research: Recent progress. *Kaku Yugo Kenkyu* **68**, 360 (in Japanese) (1992).
656. H. Miyamaru, A. Takahashi, Periodically current-controlled electrolysis of $\text{D}_2\text{O}/\text{Pd}$ system for excess heat production, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 393.
657. A. Takahashi, T. Iida, T. Takeuchi, A. Mega, Excess heat and nuclear products by $\text{D}_2\text{O}/\text{Pd}$ electrolysis and multibody fusion. *Int. J. Appl. Electromagn. Mater.* **3**, 221-230 (1992).
658. A. Takahashi, Opening possibility of deuteron-catalyzed cascade fusion channel in PdD under D_2O electrolysis. *J. Nucl. Sci. Technol.* **26**, 558. (1989).
659. M. Ohta, A. Takahashi, Possible mechanisms of coherent multibody fusion, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 403-417.
660. A. Takahashi, N. Yabuuchi, Deuterons-to-helium-4 channels, in ICCF-13, Ed: Y. Bazhutov, (Tsiolkovsky Moscow Technical Univ., Dagomys, Sochi, Russia, 2007), vol. 1, 569-578.
661. A. Takahashi, N. Yabuuchi, On condensation force of TSC. *J. Cond. Matter Nucl. Sci.* **1**, 97-105 (2007).
662. A. Takahashi, Mechanism of deuteron cluster fusion by EQPET model, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co.g, Cambridge, MA, 2003), 809-818.
663. H. Takahashi, Quantum field theory, and screening the Coulomb potential by mobile deuterons for the low-energy nuclear reaction, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), vol. 1, 703-708.
664. A. Takahashi, Are Ni + H nuclear reactions possible? *J. Cond. Matter Nucl. Sci.* **9**, 108-127 (2012).
665. A. Takahashi, Deuteron cluster fusion and ash, Presented at the ASTI-5, Asti, Italy, 2004.
666. A. Takahashi, Physics of cold fusion by TSC theory, in ICCF-17, Ed, (<http://www.iccf17.org/sub16.php>, Daejeon, Korea, 2012).
667. A. Takahashi, D. Rocha, Nucleon halo model of ^8Be , in Proc. JCF13, Ed: A. Kitamura, (Japan CF-Research Society, WincAichi, Japan, 2012), vol. http://jcfrs.org/proc_jcf.html, 10-31.
668. A. Takahashi, Production of stable isotopes by selective channel photofission of Pd. *Jpn. J. Appl. Phys. A* **40**, 7031-7046 (2001).
669. G. S. Chulick, Y. E. Kim, R. A. Rice, "Low energy D-D fusion experimental cross-sections," (Purdue University, 1989), PNTG 90-3.
670. Y. E. Kim, "Nuclear theory hypotheses for cold fusion," (Purdue University, 1989), PNTG 89-12.
671. Y. E. Kim, "Neutron-induced photonuclear chain-reaction process in Pd deuteride," (Purdue University report, 1989), PNTG-89-7.
672. Y. E. Kim, "Comment on "cluster-impact fusion",", (Purdue University, 1989), PNTG-89-11.

673. Y. E. Kim, "Fission-induced inertial confinement hot fusion and cold fusion with electrolysis," (Purdue, 1989), PNTG-89-13.
674. Y. E. Kim, R. A. Rice, G. S. Chulick, "The electron screening effect on fusion cross-sections and rates in physical processes," (Purdue University, 1989), PNTG-90-9.
675. D. J. Klepacki, Y. E. Kim, R. A. Brandenburg, "Two-body photodisintegration of 3-helium and 3-helium near the giant resonance I. Plane-wave approximation," (Purdue University, 1989), PNTG-89-8.
676. R. A. Rice, G. S. Chulick, Y. E. Kim, J. Yoon, "The effect of velocity distribution on cold deuterium-deuterium fusion," (Purdue University, 1989), PNTG 90-2.
677. Y. E. Kim, A. Zubarev, Role of continuum electrons and condensed matter mechanisms in ultra low energy nuclear reactions, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 186.
678. Y. E. Kim, A. Zubarev, Equivalent linear two-body method for Bose-Einstein condensates in time-dependent harmonic traps. *Phys. Rev. A* **66**, 053602 (2002).
679. Y. E. Kim, Quantum many-body theory and mechanisms for low energy nuclear reaction processes in matter, Presented at the Fusion 03: From a Tunneling Nuclear Microscope to Nuclear Processes in Matter, Matsushita, Japan, 2003.
680. Y. E. Kim, D. Koltick, R. Pringer, J. Myers, R. Koltick, Experimental test of Bose-Einstein condensation mechanism for low energy nuclear reaction in nanoscale atomic clusters, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 789.
681. Y. E. Kim, D. Koltick, A. Zubarev, Quantum many-body theory of low energy nuclear reaction induced by acoustic cavitation in deuterated liquid, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 779.
682. Y. E. Kim, D. Koltick, R. G. Reifengerger, A. L. Zubarev, Proposal for new experimental tests of the Bose-Einstein condensation mechanism for low-energy nuclear reactions and transmutation processes in deuterium loaded micro- and nano-scale cavities, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 73.
683. Y. E. Kim, T. O. Passell, Alternative interpretations of low-energy nuclear reaction processes with deuterated metals based on the Bose-Einstein condensation mechanism, in 11th International Conference on Cold Fusion, Ed: J. P. Biberian, (World Scientific Co., Marseilles, France, 2004), 718.
684. Y. E. Kim, A. L. Zubarev, Unifying theory of low-energy nuclear reaction and transmutation processes in deuterated/hydrogenated metals, acoustic cavitation, glow discharge, and deuterium beam experiments, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 462.
685. H. Y. Kim, Bose-Einstein condensation nuclear fusion: Theoretical predictions and experimental tests, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 288-296.
686. Y. E. Kim, Bose-Einstein condensate theory of deuteron fusion in metal. *J. Cond. Matter Nucl. Sci.* **5**, 14 (2010).
687. Y. E. Kim, Bose-Einstein condensate theory of deuteron fusion in metal. *J. Cond. Matter Nucl. Sci.* **4**, 188-201 (2011).
688. Y. E. Kim, Generalized theory of Bose-Einstein condensation nuclear fusion for hydrogen-metal system. *J. Nucl. Phys.*
file:///Users/testuser/Desktop/Desktp/Dest%20top%20items/Kim,%20Generalized%20Theory%20of%20Bose-Einstein%20Condensation%20Nuclear%20Fusion%20for%20Hydrogen-Metal%20System%20C2%AB%20Journal%20of%20Nuclear%20Physics.html, (2011).
689. H. Hora, G. Miley, M. Prelas, K. J. Kim, X. Yang, Surface effect for gas loading micrograin palladium for low energy nuclear reactions LENR, Presented at the ICCF-17, Daejeon, Korea, 2012.
690. Y. E. Kim, T. E. Ward, Bose-Einstein condensation nuclear fusion: Role of monopole transition. *J. Cond. Matter Nucl. Sci.* **6**, 101-107 (2012).
691. R. W. Standley, M. Steinback, C. B. Satterthwaite, Superconductivity of PdHx(Dx) from 2K to 4K. *Solid State Commun.* **31**, 801-804 (1979).

692. T. Bressani, E. Del Giudice, G. Preparata, First steps toward an understanding of 'cold' nuclear fusion. *Il Nuovo Cimento* **A101**, 845 (1989).
693. G. Preparata, Theoretical ideas on cold fusion, in The First Annual Conference on Cold Fusion, Ed: F. G. Will, (National Cold Fusion Institute, University of Utah Research Park, Salt Lake City, Utah, 1990), 91.
694. G. Preparata, Cold fusion: What do the laws of nature allow and forbid?, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 453.
695. G. Preparata, Some theories of 'cold' nuclear fusion: a review. *Fusion Technol.* **20**, 82-92 (1991).
696. G. Preparata, A new look at solid-state fractures, particle emission and 'cold' nuclear fusion. *Nuovo Cimento A* **104**, 1259 (1991).
697. T. Bressani, G. Preparata, What makes a crystal stiff enough for the Mossbauer effect? *Il Nuovo Cimento, Note Brevi* **14D**, 345-349 (1992).
698. G. Preparata, Towards a theory of cold fusion phenomena, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), not in Proceedings.
699. G. Preparata, Cold fusion '93': Some theoretical ideas, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 1, 12-11 to 12-23.
700. M. Fleischmann, S. Pons, G. Preparata, Possible theories of cold fusion. *Nuovo Cimento* **107A**, 143-156 (1994).
701. M. Fleischmann, An overview of cold fusion phenomena, in The First Annual Conference on Cold Fusion, Ed: F. Will, (National Cold Fusion Institute, University of Utah Research Park, Salt Lake City, Utah, 1990), vol. 1, 344.
702. M. Fleischmann, Searching for the consequences of many-body effects in condensed phase systems, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), III.
703. A. J. Leggett, G. Baym, Exact upper bounds on barrier penetration probabilities in many-body systems: Application to 'cold fusion'. *Phys. Rev. Lett.* **63**, 191 (1989).
704. A. J. Leggett, G. Baym, Can solid-state effects enhance the cold-fusion rate? *Nature (London)* **340**, 45 . (1989).
705. J. Schwinger, Cold fusion: a hypothesis. *Z. Naturforsch.* **45A**, 756 (1990).
706. M. C. H. McKubre, R. C. Rocha-Filho, S. I. Smedley, F. L. Tanzella, S. Crouch-Baker, T. O. Passell, J. Santucci, Isothermal flow calorimetric investigations of the D/Pd system, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 419.
707. E. K. Storms, C. L. Talcott, A study of electrolytic tritium production, in The First Annual Conference on Cold Fusion, Ed: F. Will, (National Cold Fusion Institute, University of Utah Research Park, Salt Lake City, Utah, 1990), 149.
708. D. Lewis, K. Sköld, A phenomenological study of the Fleischmann-Pons effect. *J. Electroanal. Chem.* **294**, 275 (1990).
709. J. Schwinger, Nuclear energy in an atomic lattice, in The First Annual Conference on Cold Fusion, Ed: F. Will, (National Cold Fusion Institute, University of Utah Research Park, Salt Lake City, Utah, 1990), 130.
710. P. L. Hagelstein, Status of coherent fusion theory, in The First Annual Conference on Cold Fusion, Ed: F. Will, (National Cold Fusion Institute, University of Utah Research Park, Salt Lake City, Utah, 1990), 99.
711. M. Rabinowitz, Response to G. Preparata, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 1, 17.
712. J. M. Blatt, V. F. Weisskopf, *Theoretical Nuclear Physics.* (Wiley, New York, 1952).
713. J. Schwinger, Nuclear energy in an atomic lattice. 1. *Z. Phys. D: At., Mol. Clusters* **15**, 221 (1990).
714. S. R. Chubb, T. A. Chubb, "Nuclear fusion in a solid via a Bose Bloch concentrate," (Naval Research Laboratory, Memorandum Report 6617, Washington, 1990).
715. T. A. Chubb, S. R. Chubb, Cold fusion as an interaction between ion band states. *Fusion Technol.* **20**, 93-99 (1991).

716. S. R. Chubb, T. A. Chubb, Ion band state fusion, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 623.
717. S. R. Chubb, T. A. Chubb, Ion band state fusion: reactions, power density, and the quantum reality question. *Fusion Technol.* **24**, 403 (1993).
718. S. R. Chubb, T. A. Chubb, The role of hydrogen ion band states in cold fusion. *Trans. Fusion Technol.* **26**, 414 (1994).
719. T. A. Chubb, S. R. Chubb, The ion band state theory, in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 315.
720. S. R. Chubb, T. A. Chubb, Hidden results of the ion band state theory, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 315.
721. T. A. Chubb, S. R. Chubb, Radiationless cold fusion: Why small "crystals" are better, N(cell) requirement, and energy transfer to lattice, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 2, 417.
722. T. A. Chubb, S. R. Chubb, Deuteride-induced strong force reactions, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 83.
723. S. R. Chubb, T. A. Chubb, Theoretical framework for anomalous heat and ^4He in transition metal systems, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lericci (La Spezia), Italy, 2000), 385.
724. T. A. Chubb, S. R. Chubb, Deuteron fluxing and the ion band state theory, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lericci (La Spezia), Italy, 2000), 391.
725. T. A. Chubb, S. R. Chubb, Deuteron fluxing and the ion band state theory, Presented at the The Ninth International Conference on Cold Fusion (ICCF9), Beijing, China, 2002.
726. S. R. Chubb, T. A. Chubb, Relationship between microscopic and macroscopic interactions in low energy nuclear reactions: Lessons learned from $\text{D} + \text{D} = 4\text{He}$., in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 57.
727. T. A. Chubb, Production of excited surface states by reactant starved electrolysis, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 64.
728. T. A. Chubb, The dd cold fusion-transmutation connection, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 753.
729. T. A. Chubb, LENR: superfluids, self-trapping and non-self-trapping states, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (LENR-CANR.org, Cambridge, MA, 2003), 767.
730. S. R. Chubb, Nuts and bolts of the ion band state theory, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), vol. 1, 735.
731. S. R. Chubb, Impact of boundary effects involving broken symmetry on LENR's, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 771.
732. T. A. Chubb, I. Bloch ions, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 665.
733. T. A. Chubb, II. Inhibited diffusion driven surface transmutations, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 678.

734. T. A. Chubb, III. Bloch nuclides, Iwamura transmutations, and Oriani showers, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 685.
735. T. A. Chubb, M. Daehler, Lattice-assisted nuclear fusion. *Infinite Energy*, 22-28 (2012).
736. R. T. Bush, A Transmission resonance model for cold fusion, in Winter Annual Meeting of Am. Soc. Mech. Eng., Ed, San Francisco, 1989).
737. R. T. Bush, R. D. Eagleton, 'Cold nuclear fusion': A hypothetical model to probe an elusive phenomenon. *J. Fusion Energy* **9**, 397-408 (1990).
738. R. T. Bush, A unifying model for cold fusion. *Trans. Fusion Technol.* **26**, 431-441 (1994).
739. K. Kunimatsu, N. Hasegawa, A. Kubota, N. Imai, M. Ishikawa, H. Akita, Y. Tsuchida, Deuterium loading ratio and excess heat generation during electrolysis of heavy water by palladium cathode in a closed cell using a partially immersed fuel cell anode, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 31.
740. R. T. Bush, Consequences of lattice occupational symmetry. *Infinite Energy* **2**, 34 (1997).
741. L. Turner, Thoughts unbottled by cold fusion. *Phys. Today* **Sept.**, 140 (1989).
742. L. Turner, Peregrinations on cold fusion. *J. Fusion Energy* **9**, 447 (1990).
743. L. Turner, Peregrinations on cold fusion. *J. Fusion Energy* **9**, 447 (1990).
744. R. H. Parmenter, W. E. Lamb Jr., Cold fusion in palladium: a more realistic calculation. *Proc. Natl. Acad. Sci. USA* **87**, 8652-8654 (1990).
745. R. H. Parmenter, W. E. Lamb Jr., More cold fusion in metals: corrected calculations and other considerations. *Proc. Natl. Acad. Sci. U.S.A.* **87**, 3177 (1990).
746. R. H. Parmenter, A possible scenario for the onset of cold fusion in deuterated metals. *Infinite Energy* **4**, 41 (1998).
747. R. H. Parmenter, Enhancement of cold fusion processes in palladium by catalytic agents. *Infinite Energy* **8**, 66 (2002).
748. R. W. Bass, On empirical system ID, possible external electromagnetic/electronuclear stimulation/actuation and automatic feedback control of cold fusion, in The First Annual Conference on Cold Fusion, Ed: F. Will, (National Cold Fusion Institute, University of Utah Research Park, Salt Lake City, Utah, 1990), vol. 1, 281.
749. R. W. Bass, M. C. McKubre, Generalized cause and effect demonstration protocol, in Tenth International Conference on Cold Fusion, Ed: P. I. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 1005.
750. R. W. Bass, M. Swartz, Empirical system identification (ESID) and optimal control of lattice-assisted nuclear reactors, in ICCF-14, Ed, Washington, DC, 2008).
751. R. W. Bass, The only conventionally viable cold nuclear fusion theory?, Presented at the ACS, March 21, 2010, 2010.
752. S. Martellucci, A. Rosati, F. Scaramuzzi, V. Violante, *Cold Fusion, The History of Research in Italy*. (ENEA Italian National Agency for New Technologies, 2008).
753. A. De Ninno, V. Violante, "Quasi-plasma" transport model in deuterium overloaded cathodes, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 107.
754. V. Violante, A. De Ninno, Quantum mechanical description of a lattice ion trap, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 221-227.
755. V. Violante, A. De Ninno, Collision between two deuterons in condensed matter: ion trap mechanism, in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 355-359.
756. V. Violante, Lattice ion-trap confinement for deuterons and protons: Possible interaction in condensed matter. *Fusion Technol.* **35**, 361 (1999).
757. V. Violante, A. Torre, G. Dattoli, Lattice ion trap: classical and quantum description of a possible collision mechanism for deuterons in metal lattices. *Fusion Technol.* **34**, 156 (1998).
758. V. Violante, Extended analysis of the lattice radio-frequency trap as possible collision mechanism between nucleus in condensed matter, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 403.

759. V. Violante, A. De Ninno, Lattice ion trap: a possible mechanism inducing a strong approach between two deuterons in condensed matter. *Fusion Technol.* **31**, 219 (1997).
760. V. Violante, Lattice confinement: a possible mechanism producing "collisions" between particles in condensed matter, Presented at the Asti Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Villa Riccardi, Rocca d'Arazzo, Italy, 1997.
761. V. Violante, A. Torre, G. Selvaggi, G. H. Miley, Three-dimensional analysis of the lattice confinement effect on ion dynamics in condensed matter and lattice effect on the d-d nuclear reaction channel. *Fusion Technol.* **39**, 266 (2001).
762. A. K. Vijn, Electrode potentials and interface plasmons in the metal/gaseous electrolyte (i.e., plasma) interphasic region. *Mater. Chem. Phys.* **14**, 47 (1986).
763. E. Castagna, C. Sibilia, S. Paoloni, V. Violante, F. Sarto, Surface plasmons and low-energy nuclear reactions triggering, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 156-162.
764. A. De Ninno, V. Violante, A. La Barbera, Consequences of lattice expansive strain gradients on hydrogen loading in palladium. *Phys. Rev. B* **56**, 2417-2420 (1997).
765. J. A. S. Green, F. A. Lewis, Overvoltage component at palladized cathodes of palladium and palladium alloys prior to and during bubble evolution. *Trans. Faraday Soc.* **60**, 2234 (1964).
766. A. Widom, L. Larsen, Absorption of nuclear gamma radiation by heavy electrons on metallic hydride surfaces. *arXiv:cond-mat/0509269v1*, (2005).
767. A. Widom, L. Larsen, Ultra low momentum neutron catalyzed nuclear reactions on metallic hydride surfaces. *Eur. Phys. J.* **C46**, 107 (2006).
768. D. Bushnell, LENR and NASA, Presented at the International Low Energy Nuclear Reactions Symposium (ILENRS-12), William & Mary, Williamsburg, VA, 2012.
769. G. C. Fralick, J. D. Wrbanek, S. Y. Wrbanek, J. M. Niedra, M. G. Millis, D. J. Spry, R. Meredith, J. Mazo, "Investigation of Anomalous Heat Observed in Bulk Palladium," (NASA, www.nasa.gov, 2009).
770. S. Ciuchi, L. Maiani, A. D. Polosa, V. Riquer, R. Ruocco, M. Vignati, Low energy neutron production by inverse beta decay in metallic hydride surfaces. *arXiv:1209.6501v1 [nucl-th]* 28 Sep 2012, (2012).
771. E. Tennfors, On the idea of low-energy nuclear reactions in metallic lattices by producing neutrons from protons capturing "heavy" electrons. *Eur. Phys. J. Plus* **128**, 1 (2013).
772. P. I. Hagelstein, Electron mass enhancement and the Widom-Larsen model. *J. Cond. Matter Nucl. Sci.* **12**, 18-40 (2013).
773. A. Widom, Y. N. Srivastava, L. Larsen, Erroneous wave functions of Ciuchi et al. for collective modes in neutron production on metallic hydride cathodes. *arXiv:1210.5212v1 [nucl-th]* 17 Oct 2012, (2012).
774. J. M. Zawodny, S. Krivit, Eds., *Widom-Larsen theory: Possible explanation of LENRs*, (Wiley & Sons, NJ, Singapore, 2011), pp. 595.
775. A. Widom, L. Larsen, Nuclear abundances in metallic hydride electrodes of electrolytic chemical cells. *arXiv:cond-mat/062472 v1*, (2006).
776. L. Larsen, A. Widom, Apparatus and method for absorption of incident gamma radiation and its conversion to outgoing radiation at less penetrating, lower energies and frequencies, USA, Patent #: 7,893,414, 2011.
777. Y.-F. Chang, Potential exploration of cold fusion and its quantitative theory of physical-chemical-nuclear multistage chain reaction mechanism. *Intern. J. Modern Chem.* **5**, 29-43 (2013).
778. R. E. Godes, The quantum fusion hypothesis. *Infinite Energy* **14**, 15-23 (2008).
779. J. C. Fisher, Polyneutrons as agents for cold nuclear reactions. *Fusion Technol.* **22**, 511 (1992).
780. J. C. Fisher, Liquid-drop model for extremely neutron rich nuclei. *Fusion Technol.* **34**, 66 (1998).
781. R. A. Oriani, J. C. Fisher, Anomalous power generation produced by stirring water solutions. *Trans. Am. Nucl. Soc.* **83**, 368 (2000).
782. J. C. Fisher, Theory of low-temperature particle showers, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 915.
783. R. A. Oriani, J. C. Fisher, Energetic particle showers in the vapor from electrolysis, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 281.

784. J. C. Fisher, Outline of polyneutron physics (basics), Presented at the 6th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Siena, Italy, 2005.
785. J. C. Fisher, Polyneutron theory of transmutation, in Condensed Matter Nuclear Science, ICCF-12, Ed: A. Takahashi, K. Ota, Y. Iwamura, (World Scientific, Yokohama, Japan, 2005), 516.
786. J. C. Fisher, External radiation produced by electrolysis - A work in progress, in 8th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: J. Rothwell, P. Mobberley, (The International Society for Condensed Matter Science, Catania, Sicily, Italy, 2007), 62.
787. J. C. Fisher, Palladium fusion triggered by polyneutrons. *J. Cond. Matter Nucl. Sci.* **1**, 1 (2007).
788. H. Kozima, Neutron Mossbauer effect and the cold fusion in inhomogeneous materials. *Il Nuovo Cimento* **107 A**, 1781 (1994).
789. H. Kozima, How the cold fusion occurs? . **28**, 31 (1994).
790. H. Kozima, S. Watanabe, Nuclear processes in trapped neutron catalyzed model for cold fusion, in 5th International Conference on Cold Fusion, Ed: S. Pons, (IMRA Europe, Sophia Antipolis Cedex, France, Monte-Carlo, Monaco, 1995), 347.
791. H. Kozima, Neutron drop: condensation of neutrons in metal hydrides and deuterides. *Fusion Technol.* **37**, 253-258 (2000).
792. H. Kozima, *The science of the cold fusion phenomenon*. (Elsevier Science, 2006), pp. 208.
793. J. A. Maly, J. Va'vra, Electron transitions on deep Dirac levels I. *Fusion Technol.* **24**, 307 (1993).
794. J. A. Maly, J. Va'vra, Electron transitions on deep Dirac levels II. *Fusion Technol.* **27**, 59 (1995).
795. R. L. Mills, W. R. Good, Fractional quantum energy levels of hydrogen. *Fusion Technol.* **28**, 1697 (1995).
796. R. A. Rice, Y. E. Kim, M. Rabinowitz, A. L. Zubarev, Comments on exotic chemistry models and deep Dirac states for cold fusion, in ICCF-4, Ed, Maui, Hawaii, 1993), 4-1 to 4-7.
797. R. A. Rice, Y. E. Kim, Comments on 'electron transitions on deep Dirac levels I'. *Fusion Technol.* **26**, 111 (1994).
798. R. A. Rice, Y. E. Kim, M. Rabinowitz, Reply to 'Response to "Comments on "Electron transitions on deep Dirac levels I. *Fusion Technol.* **26**, 348-349 (1995).
799. J. A. Maly, J. Va'vra, Response to 'Comments on 'Electron transitions on deep Dirac levels I'. *Fusion Technol.* **26**, 112 (1994).
800. J. A. Maly, J. Va'vra, Reply to 'Letter to the editor' *Fusion Technol.* **27**, 348 [1995]". *Fusion Technol.* **30**, 386 (1996).
801. A. Meulenberg Jr., From the naught orbit to the ^4He excited state. *J. Cond. Matter Nucl. Sci.* **10**, 15-29 (2013).
802. K. P. Sinha, A theoretical model for low-energy nuclear reactions. *Infinite Energy* **5**, 54-57 (2000).
803. K. P. Sinha, A. Meulenberg Jr., Lochon catalyzed D-D fusion in deuterated palladium in the solid state. *National Acad. Sci. Lett.* **30**, 243 (2007).
804. K. P. Sinha, A. Meulenberg, Laser stimulation of low-energy nuclear reactions in deuterated palladium. *Current Sci.* **91**, 907-912 (2006).
805. A. Meulenberg, Tunneling beneath the $^4\text{He}^*$ fragmentation energy. *J. Cond. Matter Nucl. Sci.* **4**, 241-255 (2011).
806. A. Meulenberg Jr., K. P. Sinha, Lochon and extended-lochon models for low-energy nuclear reactions in a lattice. *Infinite Energy* **19**, 29-32 (2013).
807. J. P. Vigier, New hydrogen energies in specially structured dense media: capillary chemistry and capillary fusion, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 325.
808. J. P. Vigier, On cathodically polarized Pd/D systems. *Phys. Lett. A* **221**, 138 (1996).
809. A. Dragic, Z. Maric, J. P. Vigier, New quantum mechanical tight bound states and 'cold fusion'. *Phys. Lett. A* **265**, 163-167 (2000).
810. J. Dufour, An introduction to the pico-chemistry working hypothesis. *J. Cond. Matter Nucl. Sci.* **10**, 40-45 (2013).
811. J. C. Dufour, Very sizeable increase of gravitation at picometer distance: A novel working hypothesis to explain anomalous heat effects and apparent transmutations in certain metal/hydrogen systems. *J. Cond. Matter Nucl. Sci.* **1**, 47 (2007).
812. J. Dufour, J. H. Foos, X. J. C. Dufour, Formation and properties of Hydrex and Deutex, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 113.

813. J. Dufour, J. Foos, J. P. Millot, X. Dufour, From "cold fusion" to "Hydrex" and "Deutex" states of hydrogen, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 2, 482.
814. J. J. Dufour, J. Foos, J. C. Dufour, Formation and properties of Hydrex and Deutex, in Asti Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Ed: W. J. M. F. Collis, (Italian Phys. Soc., Villa Riccardi, Rocca d'Arazzo, Italy, 1997), 29.
815. J. Dufour, D. Murat, X. Dufour, J. Foos, The Hydrex concept-effect on heavy nuclei, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 431.
816. J. Dufour, Response to 'Comments on 'Interaction of palladium/hydrogen and palladium/deuterium to measure the excess energy per atom for each isotope'. *Fusion Technol.* **33**, 385 (1998).
817. R. Mills, Comments on "Interaction of palladium/hydrogen and palladium/deuterium to measure excess energy per atom for each isotope". *Fusion Technol.* **33**, 384 (1998).
818. R. L. Mills, W. R. Good, R. M. Shaubach, Dihydrino molecule identification. *Fusion Technol.* **25**, 103-119 (1994).
819. R. Mills, Novel hydrogen compounds from a potassium carbonate electrolytic cell. *Fusion Technol.* **37**, 157 (2000).
820. R. Mills, W. R. Good, J. J. Farrell, *Unification of Spacetime, the Forces, Matter and Energy*. (Science Press, Ephrata, PA, 1992), pp. 220.
821. R. Mills, *The grand unified theory of classical quantum mechanics*. (Cadmus Professional Communications, Ephrata, PA, 2006), pp. 1450.
822. R. L. Mills, P. Ray, Spectral emission of fractional quantum energy levels of atomic hydrogen from a helium-hydrogen plasma and the implications for dark matter. *J. Hydrogen Eng.* **27**, 301 (2002).
823. R. L. Mills, P. Ray, Vibrational spectral emission of fractional-principal-quantum-energy-level hydrogen molecule ion. *J. Hydrogen Eng.* **27**, 533 (2002).
824. R. L. Mills, P. Ray, The grand unified theory of classical quantum mechanics. *J. Hydrogen Eng.* **27**, 565 (2002).
825. R. L. Mills, P. C. Ray, B. Dhandapani, R. M. Mayo, J. He, Comparison of excessive Balmer alpha line broadening of glow discharge and microwave hydrogen plasmas with certain catalysts. *J. Appl. Phys.* **92**, 7008 (2002).
826. R. L. Mills, B. Dhandapani, M. Nansteel, H. J., A. Voigt, Identification of compounds containing novel hydride ions by nuclear magnetic resonance spectroscopy. *y* **26**, 965 (2001).
827. R. Mills, W. R. Good, J. Phillips, A. I. Popov, Low Energy Hydrogen Methods and Structures, USA, Patent #: 6,024,395, 2000
828. J. Phillips, C.-K. Chen, K. Ahktar, B. Dhandapani, R. Mills, Evidence of the Production of Hot Atomic Hydrogen in RF Generated Hydrogen/Argon. *Int. J. Hydrogen Energy* **32**, 3010-3025 (2007).
829. R. Mills, Y. Lu, Editorial about "Time-resolved hydrino continuum transitions with cutoffs at 22.8 nm and 10.1 nm". *Eur. Phys. J.* **D64**, 63 (2011).
830. R. Mills, Heterogeneous hydrogen-catalyst reactor, USA, Patent #: 6,024,935, 2011
831. A. Rathke, A critical analysis of the hydrino model. *New J. Phys* **7**, 127 (2005).
832. R. L. Mills, 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).
833. F. Piantelli, W. J. M. F. Collis, Hydrogen loaded metals, Presented at the 10th International Workshop on Anomalies in Hydrogen Loaded Metals, Siena, Italy, 2012.
834. A. Rossi, Rossi Cold Fusion & E-cat News. <http://rossifocardifusion.com/> 2012.
835. A. Rossi, Journal of Nuclear Physics. <http://rossifocardifusion.com/> 2012.
836. M. Lewan, *An Impossible Invention*. (Vulkan.se, 2014), pp. 399.
837. R. Long, *Cold Fusion for Everything, How Andrea Rossi's E-Cat could change the world*. (self, 2012).
838. Y. E. Kim, J. Hadjichristos, Theoretical analysis and reaction mechanisms for experimental results of hydrogen-nickel system, Presented at the ICCF-18, Columbia, Mo, 2013.

839. X. Z. Li, D. Z. Jin, L. Chang, The combined resonance tunneling and semi-resonance level in low energy D-D reaction, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 597.
840. X. Z. Li, The 3-dimensional resonance tunneling in chemically assisted nuclear fission and fusion reactions. *Trans. Fusion Technol.* **26**, 480-485 (1994).
841. X. Z. Li, A new approach towards fusion energy with no strong nuclear radiation. *J. New Energy* **1**, 44 (1996).
842. X. Z. Li, Overcoming of the Gamow tunneling insufficiencies by maximizing the damp-matching resonant tunneling. *Czech. J. Phys.* **49**, 985 (1999).
843. X. Z. Li, C. X. Li, H. F. Huang, Maximum value of the resonant tunneling current through the Coulomb barrier. *Fusion Technol.* **36**, 324 (1999).
844. X. Z. Li, J. Tian, M. Y. Mei, C. X. Li, Sub-barrier fusion and selective resonant tunneling. *Phys Rev. C: Nucl. Phys.* **61**, 4610 (2000).
845. X. Z. Li, B. Liu, X. Z. Ren, J. Tian, D. X. Cao, S. Chen, G. H. Pan, D. I. Ho, Y. Deng, "Super-absorption" - correlation between deuterium flux and excess heat, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 202-207.
846. X. Z. Li, A Chinese view on the summary of the condensed matter nuclear science. *J. Fusion Energy* **23**, 217 (2004).
847. J. Louthan, M. R., J. Caskey, G. R., J. A. Donovan, J. Rawl, D. E., Hydrogen embrittlement of metals. *Mater. Sci. and Eng.* **10**, 357 (1972).
848. X. Xu, M. Wen, S. Fukuyama, K. Yokogawa, Simulation of hydrogen embrittlement at crack tip in nickel single crystal by embedded atom method. *Mater. Trans.* **42**, 2283-2289 (2001).
849. S. P. Lynch, Hydrogen embrittlement and liquid-metal embrittlement in nickel single crystals. *Scr. Metall.* **13**, 1051-1056 (1979).
850. S. P. Lynch, A fractographic study of hydrogen-assisted cracking and liquid-metal embrittlement in nickel. *J. Mater. Sci.* **21**, 692-704 (1986).
851. H. Vehoff, W. Rothe, Gaseous hydrogen embrittlement in FeSi- and Ni-single crystals. *Acta Metall.* **31**, 1781-1793 (1983).
852. H. Vehoff, H. K. Klameth, Hydrogen embrittlement and trapping at crack tips in Ni-single crystals. *Acta Metall.* **33**, 955-962 (1985).
853. F. Frisone, Study of the probability of interaction between the plasmons of metal and deuterons. *Nuovo Cimento Soc. Ital. Fis.* **18D**, 1279 (1996).
854. F. Frisone, Theoretical hypothesis of the phenomenon of nuclear cold fusion, Presented at the Asti Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Villa Riccardi, Rocca d'Arazzo, Italy, 1997.
855. F. Frisone, Can impurities within a deuterated crystalline lattice have an effect favouring cold fusion?, in The Seventh International Conference on Cold Fusion, Ed: F. Jaeger, (ENECO, Inc., Salt Lake City, UT, Vancouver, Canada, 1998), 133.
856. F. Frisone, Can variations in temperature influence deuteron interaction within crystalline lattices? *Nuovo Cimento Soc. Ital. Fis.* **20 D**, 1567 (1998).
857. F. Frisone, Probability of deuteron plasmon fusion at room temperature within microcracks of crystalline lattices with deuterium loading, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lericci (La Spezia), Italy, 2000), 443.
858. F. Frisone, Calculation of deuteron interactions within microcracks of a D₂ loaded crystalline lattice at room temperature. *J. Cond. Matter Nucl. Sci.* **1**, 41 (2007).
859. F. Frisone, Theoretical model of the probability of fusion between deuterons within deformed crystalline lattices with micro-cracks at room temperature, in 15th International Conference on Condensed Matter Nuclear Science, Ed: V. Violante, F. Sarto, (ENEA, Italy, Rome, Italy, 2009), 312-318.
860. E. K. Storms, Measurements of excess heat from a Pons-Fleischmann-type electrolytic cell using palladium sheet. *Fusion Technol.* **23**, 230 (1993).
861. E. Storms, Measurement of excess heat from a Pons-Fleischmann type electrolytic cell, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 21.

862. E. K. Storms, The method and results using Seebeck calorimetry, in ICCF-14 International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, (www.lenr.org, Washington, DC, 2008), vol. 1, 11-25.
863. E. K. Storms, B. Scanlan, Radiation produced by glow discharge in a deuterium containing gas (Part 2), Presented at the American Physical Society Conference, New Orleans, 2008.
864. E. K. Storms, A Theory of LENR based on crack Formation. *Infinite Energy* **19**, 24-27 (2013).
865. E. K. Storms, Explaining cold fusion, Presented at the ICCF-18, Univ. Missouri, Columbia, Mo, 2013.
866. E. K. Storms, An approach to explaining cold fusion, Presented at the ILENRS-12, Williamsburg, VA, 2013.
867. E. K. Storms, The role of voids as the location of LENR. *J. Cond. Matter Nucl. Sci.* **11**, 123-141 (2013).
868. E. K. Storms, Cold fusion from a chemist's point of view. *Infinite Energy* **18**, 13-18 (2013).
869. E. K. Storms, An Explanation of Low-energy Nuclear Reactions (Cold Fusion). *J. Cond. Matter Nucl. Sci.* **9**, 85-107 (2012).
870. E. K. Storms, B. Scanlan, What is real about cold fusion and what explanations are plausible? *J. Cond. Matter Nucl. Sci.* **4**, 17-31 (2011).
871. R. McIntyre, Proposal for an experiment designed to seek evidence for cold fusion, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 611.
872. P. I. Golubnichii, V. A. Kurakin, A. D. Filonenko, V. A. Tsarev, A. A. Tsarik, A possible mechanism for cold nuclear fusion. *J. Kratk. Soobshch. Fiz.*, 56 (In Russian) (1989).
873. V. Godbole, Low-energy electroweak (EW) physics (in cavities) in lattices and fluids, Presented at the ICCF-17, Daejeon, Korea, 2012.
874. F. Frisone, Theoretical model of the probability of fusion between deuterons within deformed lattices with microcracks at room temperature, in 11th International Conference on Cold Fusion, Ed: J.-P. Biberian, (World Scientific Co., Marseilles, France, 2004), 612.
875. F. Frisone, Fusion reaction within a microcrack with cubic lattice structure at low energy and study of the nonsemi-classical tunneling, in Tenth International Conference on Cold Fusion, Ed: P. L. Hagelstein, S. R. Chubb, (World Scientific Publishing Co., Cambridge, MA, 2003), 695.
876. F. Frisone, Theoretical model on the relationship between low energies in the probability of deuterium nuclei cold fusion, in The 9th International Conference on Cold Fusion, Condensed Matter Nuclear Science, Ed: X. Z. Li, (Tsinghua Univ. Press, Tsinghua Univ., Beijing, China, 2002), 101.
877. F. Frisone, Theoretical model of the probability of fusion between deuterons within deformed crystalline lattices with microcracks at room temperature. *Fusion Sci. & Technol.* **40**, 139 (2001).
878. F. Frisone, Deuteron Interaction Within a Microcrack in a Lattice at Room Temperature. *Fusion Technol.* **39**, 260 (2001).
879. F. Frisone, Fusion reaction within a microcrack in a crystalline lattice at room temperature, in AIP Conf. Proc. 513(Nuclear and Condensed Matter Physics), Ed, 2000), 282.
880. J. O. M. Bockris, The complex conditions needed to obtain nuclear heat from D-Pd systems. *J. New Energy* **1**, 210 (1996).
881. L. H. Bagnulo, Crack-fusion: A plausible explanation of cold fusion, in Second Annual Conference on Cold Fusion, "The Science of Cold Fusion", Ed: T. Bressani, E. Del Giudice, G. Preparata, (Societa Italiana di Fisica, Bologna, Italy, Como, Italy, 1991), 267.
882. M. H. Miles, K. B. Johnson, M. A. Imam, Electrochemical loading of hydrogen and deuterium into palladium and palladium-boron alloys, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 1, 208.
883. M. H. Miles, M. A. Imam, M. Fleischmann, Calorimetric analysis of a heavy water electrolysis experiment using a Pd-B alloy cathode. *Proc. Electrochem. Soc.* **2001**, 194 (2001).
884. A. B. Karabut, E. A. Karabut, Research into spectra of X-ray emission from solid cathode medium during and after high current glow discharge operation, in 14th International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, (www.LENR-CANR.org, Washington DC, 2008), vol. 1, 362-367.

885. R. T. Bush, Evidence for an electrolytically induced shift in the abundance ratio of Sr-88 and Sr-86, in International Symposium on Cold Fusion and Advanced Energy Sources, Ed: H. Fox, (Fusion Information Center, Salt Lake City, Belarusian State University, Minsk, Belarus, 1994), 157.
886. T. Ohmori, M. Enyo, Iron formation in gold and palladium cathodes. *J. New Energy* **1**, 15 (1996).
887. R. T. Bush, A light water excess heat reaction suggests that 'cold fusion' may be 'alkali-hydrogen fusion'. *Fusion Technol.* **22**, 301-322 (1992).
888. E. Wigner, H. B. Huntington, On the possibility of a metallic modification of hydrogen. *J. Chem. Phys.* **3**, 764 (1935).
889. W. J. Nellis, A. L. Ruoff, I. F. Silvera, Has metallic hydrogen been made in a diamond anvil cell? *arXiv:1201.0407 [cond-mat.other]*, (2012).
890. N. W. Ashcroft, Metallic hydrogen: A high-temperature superconductor? *Phys. Rev. Lett.* **2126**, 1748-1749 (1968).
891. R. L. Liboff, Fusion via metallic deuterium. *Phys. Lett.* **71A**, 361 (1979).
892. C. J. Horowitz, Cold nuclear fusion in dense metallic hydrogen. *Astrophys. J.* **367**, 288 (1991).
893. P. Kalman, T. Keszthelyi, Nuclear processes in solids: basic 2nd-order processes. *arXiv:1303.1078v1 [nucl-th]* 5 Mar 2013, (2013).
894. D. Letts, P. I. Hagelstein, Simulation of optical phonons in deuterated palladium, in 14th International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, Washington, DC, 2008), vol. 1, 333-337.
895. E. Brillas, J. Esteve, G. Sardin, J. Casado, X. Domenech, J. A. Sanchez-Cabeza, Product analysis from D₂O electrolysis with Pd and Ti cathodes. *Electrochim. Acta* **37**, 215 (1992).
896. D. R. Coupland, M. L. Doyle, J. W. Jenkins, J. H. F. Notton, R. J. Potter, D. T. Thompson, Some observations related to the presence of hydrogen and deuterium in palladium, in Third International Conference on Cold Fusion, "Frontiers of Cold Fusion", Ed: H. Ikegami, (Universal Academy Press, Inc., Tokyo, Japan, Nagoya Japan, 1992), 275.
897. M. Okamoto, H. Ogawa, Y. Yoshinaga, T. Kusunoki, O. Odawara, Behavior of key elements in Pd for the solid state nuclear phenomena occurred in heavy water electrolysis, in Fourth International Conference on Cold Fusion, Ed: T. O. Passell, (Electric Power Research Institute 3412 Hillview Ave., Palo Alto, CA 94304, Lahaina, Maui, 1993), vol. 3, 14.
898. J. H. N. Van Vucht, K. H. J. Buschow, Note on the occurrence of intermetallic compounds in the lithium-palladium system. *J. Less-Common Met.* **48**, 345 (1976).
899. J. Loebich, D., C. J. Raub, Das Zustandsdiagramm lithium-palladium und die magnetischen eigenschaften der Li-Pd legierungen. *J. Less-Common Met.* **55**, 67 (1977).
900. R. A. Howald, Calculation on the palladium-lithium system for cold fusion. *CALPHAD* **14**, 1 (1990).
901. S. Szpak, P. A. Mosier-Boss, F. Gordon, J. Dea, M. Miles, J. Khim, L. Forsley, LENR research using co-deposition, in 14th International Conference on Condensed Matter Nuclear Science, Ed: D. L. Nagel, M. E. Melich, Washington DC, 2008), vol. 2, 766-771.
902. M. H. Miles, Calorimetric studies of palladium alloy cathodes using Fleischmann-Pons Dewar type cells, in 8th International Conference on Cold Fusion, Ed: F. Scaramuzzi, (Italian Physical Society, Bologna, Italy, Lerici (La Spezia), Italy, 2000), 97-104.
903. A. G. Lipson, B. F. Lyakhov, D. M. Sakov, V. A. Kuznetsov, T. S. Ivanova, Excess heat production and nuclear ash in PdO/Pd/PdO heterostructure after electrochemical saturation with deuterium, in Sixth International Conference on Cold Fusion, Progress in New Hydrogen Energy, Ed: M. Okamoto, (New Energy and Industrial Technology Development Organization, Tokyo Institute of Technology, Tokyo, Japan, Lake Toya, Hokkaido, Japan, 1996), vol. 2, 433.
904. B. Ivlev, Nuclear threads. *arXiv:1312.6561*, (2014).
905. V. I. Vysotskii, M. V. Vysotskyy, Correlated states and transparency of a barrier for low energy particles at monotonic deformation of a potential well with dissipation and a stochastic force. *J. Exp. and Theor. Phys.* **118**, 534-549 (2014).
906. V. F. Zelensky, in *Problems of Atomic Science and Technology*. (http://vant.kipt.kharkov.ua/ARTICLE/VANT_2013_3/article_2013_3_76.pdf, 2013), pp. 76-118.
907. A. V. Arzhannikov, G. Y. Kezerashvili, First observation of neutron emission from chemical reactions. *Phys. Lett.* **A156**, 514 (1991).

908. M. Davidson, Theories of variable mass particles and low energy nuclear phenomena. *Found Phys.* **44**, 144-174 (2014).
909. A. V. Dodonov, V. V. Dodonov, Tunneling of slow quantum packets through the high Coulomb barrier. *arXiv:1402.3837v1*, (2014).