

Bibliography

- Arefi, F., Andre, V., Montazer-Rahmati, P. and Amouroux, J. (1992). Plasma polymerization and surface treatment of polymers. *Pure & Applied Chemistry*, 64, 715 – 723.
- Behbahani, R. A., Mahabadi, T. D., Ghoranneviss, M., Aghamir, M. F., Namini, S. E., Ghorbani, A. and Najafi, M. (2010). Study of plasma sheath dynamics by using two magnetic probes in a low energy plasma focus device. *Plasma Physics Control Fusion*, 52, 095004, doi: 10.1088/0741-3335/52/9/095004.
- Barbaglia, M., Bruzzone, H., Rios, I., Acuna, H., Gonzalez, J. and Clausse, A. (2010). Multiple pinch formations in small plasma-focus devices. *Plasma Physics Control Fusion*, 52, 1-6, doi: 10.1088/0741-3335/52/3/032001.
- Bogaerts, A. (1999). The glow discharge: an exciting plasma. *Journal of Analytical Atomic Spectrometry*, 14, 1375-1384.
- Casanova, F., Moreno, C. and Clausse, A. (2005). Finite-elements numerical model of the current-sheet movement and shaping in coaxial discharges. *Plasma Physics Controlled Fusion*, 47, 1239-1250.
- Garanin, S. F., and Mamyshev, V. I. (2008). Two-dimensional MHD simulations of a plasma focus with allowance for the acceleration mechanism for neutron generation. *Plasma Physics*, 34(8), 695-706. doi:10.1134/S1063780X08080023.
- Gribkov, V. A. (2008). Current and perspective applications of dense plasma focus devices. *AIP Conference Proceedings*, 996, 51-64.
- Gribkov, V. A., Banaszak, A., Bienkowska, B., Dubrovsky, A. V., Ivanova-Stanik, I., Jakubowski, L., Karpinski, L., Miklaszewski, R. A., Paduch, M., Sadowski, M. J., Scholz, M., Szydlowski, A. and Tomaszewski, A. (2007). Plasma dynamics in the PF-1000 device under full-scale energy storage: II. Fast electron and ion characteristics versus neutron emission parameters and gun optimization perspectives. *Journal of Physics D: Applied Physics*, 40, 3592–3607.
- Gonzalez, J., Barbaglia, M., Casanova, F. and Clausse, A. (2009). A lumped parameter model of free expanding plasma focus. *Brazilian Journal of Physics*, 39(4), 633-637.
- Hassan, S. M., Zhang, T., Patran, A., Rawat, R. S., Springham, S. V., Tan, T. L., Wong, D., Wang, W., Lee, S. and Gribkov, V. A. (2006). Pinching evidences in a miniature plasma focus with fast pseudospark switch. *Plasma Sources Science and Technology*, 15, 614-619, doi:10.1088/0963-0252/15/4/004.
- Hassan, S. M., Wu, L., Gu, M. Y., Zhang, T., Mahmood, S., Lin, J., Rawat, R. S., Springham, S. V., Tan, T. L. and Lee, P. (2010). *Current sheath structure in miniature plasma focus. 10th International Conference on Modification Materials with Particle Beams and Plasma Flows Proceedings*, 198-201.

Hussain, S., Zakaullah, M., Alil, S. and Waheed, A. (2004). Low energy plasma focus as an intense x-ray source for radiography. *Plasma Science and Technology*, 6(3), 2296-2300.

Lee, S. (1983). An energy-consistent snow-plough model for pinch design. *Journal of Physics D: Applied Physics*, 1(6), 2463-2469.

Lee, S., Lee, P., Zhang, G., Feng, X., Gribkov, V., Liu, M., Serban, A. and Wong, T. K. (1998). High repetitive rate, high performance plasma focus as a powerful radiation source. *IEEE Trans. Plasma Science*, 26, 1119–1126.

Lee, S.H., Yap, S.L., and Wong, C.S. (2010). EUV emission study of a 600 J small plasma device. *Plasma research laboratory, Physics Department, University of Malaya*.

Lee, S. (1998). Radiation enhancement and applications scaling from the UNU/ICTP. *Proceedings of Satellite Meeting of the International Meeting on Frontiers of Physics*. 35-47.

Mather, J. W., (1965) Formation of a High Density Deuterium Plasma Focus. *The Physics of Fluids*, 8(2), 366-377.

Miyamoto, K. (2000). Fundamentals of Plasma Physics and Controlled Fusion. Department of Physics, Faculty of Science, University of Tokyo, 189-195.

Masoud, M. M., El-Gamal, H. A., El-Tayeb, H. A., Hassouba, M. A. and Abdal-Halim, M. A. (2007). Magnetohydrodynamic simulation for plasma focus devices. *Plasma Devices and Operations*, 15(4), 263–281.

Naraghi, M. (1966). Dynamics of Current sheets in a coaxial accelerator. *Int. J. of Electronics*, 20(6), 503-515.

Moreno, C., Venere, M., Barbuzza, R., Del Fresno, M., Ramos, R., Bruzzone, H., Gonzalez, P. J. and Clausse, A. (2002). Industrial applications of plasma focus radiation. *Brazilian Journal of Physics*, 32, 20-25.

Moreno, C. H., Clausse, A., Martinez, J. F., Llovera, R. and Tartaglione, A. (2001). Ultrafast x-ray introspective imaging of metallic objects using a plasma focus. *Nukleonika*, 46 (Suppl. 1), S1–S2.

Moreno, C., Clausse, A., Martinez, J., Llovera, R., Tartaglione, A., Venere, M., Barbuzza, R. and Del Fresno, M. (2000). Using a 4.7 kJ plasma focus for introspective imaging of metallic objects and for neutronic detection of water. *Plasma Physics: IX Latin American Workshop*, doi: 10.1063/1.1374925.

Nema, S. K., and Ganeshprasad, K. S. (2002). Plasma pyrolysis of medical waste. *Current Science*, 83(3), 271-278.

Nisar, M., Khattak, F. Y., Murtaza, G., Zakaullah, M. and Rashid, N. (1993). Sequential focusing in a Mather-type plasma focus. *Physica Scripta*, 47, 814-816.

Rossi, J. O., Ueda, M. and Barroso J. J. (2001). Plasma immersion ion implantation experiments with long and short rise time pulses using high voltage hard tube pulser. *Surface and Coating Technology*, 136, 43-46.

Serban, A. and Lee, S. (1997). Soft x-ray emission from a small plasma focus operated in deuterium. *Plasma Sources Science Technology*, 6, 78-85.

Sharif, M., Hussain, S., Zakaullah, M. and Waheed, A. (2004). Study of the x-ray emission scaling law in a low energy plasma focus. *Plasma Sources Science Technology*, 13, B7-B13.

Soto, L., Silva, P., Moreno, J., Clausse, A. and Kies, W. (2002). A very small plasma focus operating at tens of joules. *5th International Conference on Dense Z-Pinches*, 265-268.

Soto, L., Silva, P., and Moreno, J. (2003). Plasma motion observations in a very small plasma focus in the limit of low energy. *Journal Of Energy*, 140-142.

Wakeham, S. J., Thwaites, M. J., Holton, B. W., Tsakonas, C., Cranton, W. M., Koutsogeorgis, D. C., Ranson, R. (2009). Low temperature remote plasma sputtering of indium tin oxide for flexible display applications. *Thin Solid Films*, doi: 10.1016 /j.tsf. 2009.04.072.

Wong, D., Lee, P., Zhang, T., Patran, A., Tan, T. L., Raswat, R. S. and Lee, S. (2007). An improved radiative plasma focus model calibrated for neon-filled NX2 using a tapered anode. *Plasma Sources Science and Technology*, 16, 116-123. doi: 10.1088/0963-0252/16/1/016.

Yong, Y. C. and Tou, T. Y. (1984). A computational method for solving the saha equations. *First Tropical College On Applied Physics Laser and Plasma Technology*, 647 – 655.

Zakaullah, M., Alamgir, K., Shafiq, M., Sharif, M., Waheed, A. and Murtaza, G. (2000). Low-energy plasma focus as a tailored x-ray source. *Journal of Fusion Energy*, 19, 143–157.