

- 1. Effect of cold plasma on crocin esters and volatile compounds of saffron**  
Amini, M., Ghoranneviss, M., Abdijadid, S.  
Food Chemistry, 235, pp. 290-293. (2017)
- 2. Synthesis and characterization of CdTe nanostructures grown by RF magnetron sputtering method**  
Akbarnejad, E., Ghoranneviss, M., Hantehzadeh, M.R.  
European Physical Journal D, 71 (8), art. no. 205, . (2017)
- 3. The effects of the cathode array on emitted hard x-ray from a small plasma focus device**  
Piriaei, D., Mahabadi, T.D., Javadi, S., Ghoranneviss, M.  
Physics of Plasmas, 24 (8), art. no. 083508, . (2017)
- 4. The effects of pre-ionization using a shunt resistor on reproducibility of the x-ray emission in a dense plasma focus device**  
Piriaei, D., Yousefi, H.R., Mahabadi, T.D., Salarelahi, A., Ghoranneviss, M.  
Physics of Plasmas, 24 (8), art. no. 082502, . (2017)
- 5. Retraction Note to: A new approach on preparation and characterization of zinc oxide deposited carbon nanotubes based materials applicable for electronic and optoelectronic devices**  
Elahi, A.S., Ghoranneviss, M.  
Journal of Materials Science: Materials in Electronics, p. 1. Article in Press. (2017)
- 6. Evolution of Structural, Morphological, Mechanical and Optical properties of TiAlN coatings by Variation of N and Al amount**  
Asgary, S., Ghoranneviss, M., Mahmoodi, A., Zarein-dolab, S.  
Journal of Inorganic and Organometallic Polymers and Materials, pp. 1-11.  
Article in Press. (2017)
- 7. Au-Pt alloy nanoparticles obtained by nanosecond laser irradiation of gold and platinum bulk targets in an ethylene glycol solution**  
Moniri, S., Reza Hantehzadeh, M., Ghoranneviss, M., Asadi Asadabad, M.  
European Physical Journal Plus, 132 (7), art. no. 318, . (2017)
- 8. The Diffusion Coefficient Using Sawtooth Oscillation in IR-T1 Tokamak**  
Hasanvand, N., Meshkani, S., Ghoranneviss, M.  
Chinese Physics Letters, 34 (8), art. no. 085202, . (2017)
- 9. Effect of different electrolyte concentrations on TiO<sub>2</sub> anodized nanotubes physical properties**  
Hoseinzadeh, T., Ghorannevis, Z., Ghoranneviss, M.  
Applied Physics A: Materials Science and Processing, 123 (6), art. no. 436, . (2017)
- 10. Degradation of bromophenol blue molecule during argon plasma jet irradiation**  
Matinzadeh, Z., Shahgoli, F., Abbasi, H., Ghoranneviss, M., Salem, M.K.  
Journal of Theoretical and Applied Physics, 11 (2), pp. 97-102. (2017)
- 11. Prevailing Cu-C Nanocomposite over Cu NPs for CNTs Growth: A Catalyst Study on Silicon Substrate**  
Izadyar, S., Hantehzadeh, M.R., Ghoranneviss, M., Mohammad Elahi, S., Boochani, A.  
Silicon, pp. 1-6. Article in Press. (2017)
- 12. Synthesis of platinum nanoparticles by nanosecond laser irradiation of bulk Pt in different polar solvents**  
Moniri, S., Ghoranneviss, M., Hantehzadeh, M.R., Asadabad, M.A.  
Research on Chemical Intermediates, 43 (5), pp. 3015-3034. (2017)

13. High temperature plasma equilibrium analysis by remote magnetic diagnostics in large aspect ratio tokamaks  
Salar Elahi, A., Ghoranneviss, M.  
*International Journal of Hydrogen Energy*, 42 (15), pp. 9440-9447. (2017)
14. Equilibrium and uniform charge distribution of a classical two-dimensional system of point charges with hard-wall confinement  
Batle, J., Ciftja, O., Naseri, M., Ghoranneviss, M., Farouk, A., Elhoseny, M.  
*Physica Scripta*, 92 (5), art. no. 055801, . (2017)
15. Nd:YAG laser production of tantalum colloidal nanoparticles in ethylene glycol  
Moniri, S., Ghoranneviss, M., Hantehzadeh, M.R., Asadi Asadabad, M.  
*Soft Materials*, 15 (2), pp. 153-162. (2017)
16. Synthesis and characterization of platinum nano sized particles by laser ablation in C<sub>2</sub>H<sub>6</sub>O<sub>2</sub> solution  
Moniri, S., Hantehzadeh, M.R., Ghoranneviss, M., Asadi Asadabad, M.  
*Optical and Quantum Electronics*, 49 (4), art. no. 174, . (2017)
17. The influence of the cathode array and the pressure variations on the current sheath dynamics of a small plasma focus device in the presence of an axial magnetic probe  
Piriaei, D., Javadi, S., Mahabadi, T.D., Yousefi, H.R., Salar Elahi, A., Ghoranneviss, M.  
*Physics of Plasmas*, 24 (4), art. no. 043504, . (2017)
18. Study of particle transport in IR-T1 Tokamak  
Meshkani, S., Ghoranneviss, M., Alipour, R.  
*AIP Conference Proceedings*, 1824, art. no. 4978839, . (2017)
19. Fabrication of multi-purpose probe to investigate the influence of ohmic magnetic field on density gradient in plasma  
Lafouti, M., Ghoranneviss, M., Meshkani, S.  
*AIP Conference Proceedings*, 1824, art. no. 4978829, . (2017)
20. Different techniques for investigation of plasma diffusion coefficient in IR-T1 Tokamak  
Ghoranneviss, M., Meshkani, S., Lafouti, M.  
*AIP Conference Proceedings*, 1824, art. no. 4978816, . (2017)
21. Decoration of MWNTs by CdS Nanoparticles Using Magnetron Sputtering Method  
Ghorannevis, Z., Akbarnejad, E., Aghazadeh, B., Ghoranneviss, M.  
*Silicon*, pp. 1-6. Article in Press. (2017)
22. Shareability of correlations in multiqubit states: Optimization of nonlocal monogamy inequalities  
Batle, J., Naseri, M., Ghoranneviss, M., Farouk, A., Alkhambashi, M., Elhoseny, M.  
*Physical Review A*, 95 (3), art. no. 032123, . (2017)
23. Topographical, structural and hardness changes in surface layer of stainless steel-AISI 304 irradiated by fusion-relevant high energy deuterium ions and neutrons in a low energy plasma focus device  
Javadi, S., Ghoranneviss, M., Rawat, R.S., Salar Elahi, A.  
*Surface and Coatings Technology*, 313, pp. 73-81. (2017)
24. Color intensity and wash fastness properties of dyed cotton fabric after plasma treatment  
Ghoranneviss, M., Shahidi, S.  
*Journal of the Textile Institute*, 108 (3), pp. 445-448. (2017)
25. Semi-empirical techniques for the specification of Shafranov shift in the large aspect ratio tokamaks

- Salar Elahi, A., Ghoranneviss, M.  
International Journal of Hydrogen Energy, 42 (9), pp. 6202-6210. (2017)
26. Investigation of annealing temperature effect on magnetron sputtered cadmium sulfide thin film properties  
Akbarnejad, E., Ghorannevis, Z., Abbasi, F., Ghoranneviss, M.  
Journal of Theoretical and Applied Physics, 11 (1), pp. 45-49. (2017)
27. A review on the solution of Grad-Shafranov equation in the cylindrical coordinates based on the Chebyshev collocation technique  
Amerian, Z., Salem, M.K., Salar Elahi, A., Ghoranneviss, M.  
Pramana - Journal of Physics, 88 (3), art. no. 48, . (2017)
28. Investigation on the effect of pressure on turbulent transports of the IR-T1 Tokamak plasma  
Alipour, R., Meshkani, S., Elahi, A.S., Ghoranneviss, M.  
European Physical Journal D, 71 (3), art. no. 60, . (2017)
29. Mapping models for tokamak magnetic configurations with non-axisymmetric MHD and RMP perturbations  
Roudaki, F.S., Salar Elahi, A., Ghoranneviss, M.  
International Journal of Hydrogen Energy, 42 (8), pp. 5207-5212. (2017)
30. Synthesis and optical characterization of copper nanoparticles prepared by laser ablation  
Moniri, S., Ghoranneviss, M., Hantehzadeh, M.R., Asadabad, M.A.  
Bulletin of Materials Science, 40 (1), pp. 37-43. (2017)
31. Biasing Effect on the Edge Plasma Electrical Fluctuations in IR-T1 Tokamak  
Mikaili Agah, K., Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 36 (1), pp. 21-24. (2017)
32. The effects of pre-ionization on the impurity and x-ray level in a dense plasma focus device  
Piriaei, D., Yousefi, H.R., Mahabadi, T.D., Salar Elahi, A., Ghoranneviss, M.  
Physics of Plasmas, 24 (2), art. no. 022509, . (2017)
33. Multipartite non-locality and entanglement signatures of a field-induced quantum phase transition  
Batle, J., Alkhambashi, M., Farouk, A., Naseri, M., Ghoranneviss, M.  
European Physical Journal B, 90 (2), art. no. 31, . (2017)
34. Coulomb self-energy integral of a uniformly charged d-cube: A physically-based method for approximating multiple integrals  
Batle, J., Ciftja, O., Naseri, M., Ghoranneviss, M., Nagata, K., Nakamura, T.  
Journal of Electrostatics, 85, pp. 52-60. (2017)
35. A new perspective on hydrogen plasma equilibrium calculation along with the MHD potential energy  
Salar Elahi, A., Ghoranneviss, M.  
International Journal of Hydrogen Energy, 42 (2), pp. 1048-1052. (2017)
36. A new approach on morphological features of synthesized graphene using the LPCVD technique applicable for fuel cell membrane  
Alipour, R., Jafari, A., Salar Elahi, A., Ghoranneviss, M.  
International Journal of Hydrogen Energy, 42 (2), pp. 1161-1169. (2017)
37. Electromagnetic flux density simulation for the circular and D-shaped cross section superconducting tokamaks  
Mahdavi pour, B., Salar Elahi, A., Ghoranneviss, M.  
International Journal of Hydrogen Energy, 42 (1), pp. 46-59. (2017)

38. **Growth and characterization of carbon nanotubes and zinc oxide nanocomposite with the PECVD technique**  
Salar Elahi, A., Ghoranneviss, M.  
*Results in Physics*, 7, pp. 1006-1009. (2017)
39. **A new perspective on remote Saddle Sine and Cosine coils technique for determination of tokamak plasma equilibrium status**  
Salar Elahi, A., Ghoranneviss, M.  
*Results in Physics*, 7, pp. 197-203. (2017)
40. **A new approach on preparation and characterization of zinc oxide deposited carbon nanotubes based materials applicable for electronic and optoelectronic devices**  
Salar Elahi, A., Ghoranneviss, M.  
*Journal of Materials Science: Materials in Electronics*, 28 (2), pp. 1659-1666. (2017)
41. **Determination of confinement efficiency in tokamaks based on current independent flux loops technique**  
Salar Elahi, A., Ghoranneviss, M.  
*Results in Physics*, 7, pp. 175-177. (2017)
42. **Remote diagnostics for determination of plasma shift in large aspect ratio tokamaks**  
Salar Elah, A., Ghoranneviss, M.  
*Journal of Computational Methods in Sciences and Engineering*, 17 (3), pp. 583-593. (2017)
43. **A new perspective on synchrotron radiation applications: Runaway electrons studies using a hard x-ray detection in tokamaks**  
Ghanbari, K., Salar Elahi, A., Ghoranneviss, M.  
*Journal of X-Ray Science and Technology*, 25 (1), pp. 15-23. (2017)
44. **The detailed analysis of the spray time effects of the aluminium coating using self-generated atmospheric plasma spray system on the microstructure and corrosion behaviour**  
Khandanjou, S., Ghoranneviss, M., Saviz, S.  
*Results in Physics*, 7, pp. 1440-1445. (2017)
45. **A new perspective on structural and morphological properties of carbon nanotubes synthesized by Plasma Enhanced Chemical Vapor Deposition technique**  
Salar Elahi, A., Agah, K.M., Ghoranneviss, M.  
*Results in Physics*, 7, pp. 757-761. (2017)
46. **Effect of Substrate Temperatures on Structural and Morphological Properties of Nano-Crystalline Silver Thin Films Grown on Silicon Substrates**  
Hojabri, A., Kavyani, Z., Ghoranneviss, M.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 27 (1), pp. 53-60. (2017)
47. **Medical equipment antiseptic processes using the atmospheric plasma sprayed copper coatings**  
Goudarzi, M., Saviz, Sh., Ghoranneviss, M., Salar Elahi, A.  
*Journal of X-Ray Science and Technology*, 25 (3), pp. 479-485. (2017)
48. **Enhancing photovoltaic performance of PbS/rGO nanocomposites: The role of buffer layer of ZnS/rGO nanocomposites**  
Azimi, H.R., Ghoranneviss, M., Elahi, S.M., Yousefi, R.  
*Ceramics International*, 43 (1), pp. 128-132. (2017)

49. **Microstructure, Surface Morphology and Photoluminescence Properties of Al-Doped ZnO Thin Films Prepared by Plasma Focus Method**  
Hosseinnejad, M.T., Ghoranneviss, M., Hantehzadeh, M.R., Darabi, E.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 27 (1), pp. 61-72. (2017)
50. **The circuit parameters measurement of the SABALAN-I plasma focus facility and comparison with Lee Model**  
Karimi, F.S., Saviz, S., Ghoranneviss, M., Salem, M.K., Aghamir, F.M.  
*Results in Physics*, 7, pp. 1859-1869. (2017)
51. **Softening Hard Water Using High Frequency Spark Plasma Discharge**  
Zarei, T., Mirpour, S., Nikmaram, H., Ghoranneviss, M., Mirpour, S., Dorrnian, D.  
*Plasma Chemistry and Plasma Processing*, 37 (1), pp. 99-114. (2017)
52. **Characterization and hydrogen gas sensing performance of Al-doped ZnO thin films synthesized by low energy plasma focus device**  
Hosseinnejad, M.T., Ghoranneviss, M., Hantehzadeh, M.R., Darabi, E.  
*Journal of Alloys and Compounds*, 689, pp. 740-750. (2016)
53. **Non-thermal plasma modified growth and physiology in *Triticum aestivum* via generated signaling molecules and UV radiation**  
Iranbakhsh, A., Ghoranneviss, M., Oraghi Ardebili, Z., Oraghi Ardebili, N., Hesami Tackallou, S., Nikmaram, H.  
*Biologia Plantarum*, pp. 1-7. Article in Press. (2016)
54. **Role of cooling rate in selective synthesis of graphene and carbon nanotube on Fe foil using hot filament chemical vapor deposition**  
Abdollahi, M., Kaminska, B., Akhavan, O., Talebi, S., Ghoranneviss, M., Arab, Z.  
2016 IEEE 7th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference, UEMCON 2016, art. no. 7777810, . (2016)
55. **New perspective on morphological features of the zinc oxide thin films as a gas sensor**  
Alipour, R., Hosseinnejad, M.T., Salar Elahi, A., Ghoranneviss, M.  
*Journal of Alloys and Compounds*, 687, pp. 72-78. (2016)
56. **Application of poloidal beta and plasma internal inductance in determination of input power time of Damavand tokamak**  
Noori, E., Sadeghi, Y., Ghoranneviss, M.  
*Journal of Theoretical and Applied Physics*, 10 (4), pp. 329-336. (2016)
57. **Control of heat and mass transfer processes by plasma equilibrium reconstruction in toroidal magnetic confinement nuclear fusion devices**  
Amerian, Z., Salem, M.K., Salar Elahi, A., Ghoranneviss, M., Izadiyan, J.  
*International Journal of Thermal Sciences*, 110, pp. 299-303. (2016)
58. **Excellent photocatalytic performance under visible-light irradiation of ZnS/rGO nanocomposites synthesized by a green method**  
Azimi, H.R., Ghoranneviss, M., Elahi, S.M., Mahmoudian, M.R., Jamali-Sheini, F., Yousefi, R.  
*Frontiers of Materials Science*, 10 (4), pp. 385-393. (2016)
59. **Effects of cold plasma treatment on antioxidants activity, phenolic contents and shelf life of fresh and dried walnut (*Juglans regia* L.) cultivars during storage**

Amini, M., Ghoranneviss, M.

LWT - Food Science and Technology, 73, pp. 178-184. (2016)

60. Growth, characterization, and investigation of H<sub>2</sub> gas sensing performance of Al-doped ZnO thin films synthesized by plasma focus device

Hosseinnejad, M.T., Ghoranneviss, M., Hantehzadeh, M.R., Darabi, E.

Journal of Materials Science: Materials in Electronics, 27 (11), pp. 11308-11318. (2016)

61. Analysis of tokamak plasma confinement modes using the fast Fourier transformation

Mirmoeini, S.R., Salar Elahi, A., Ghoranneviss, M.

Pramana - Journal of Physics, 87 (5), art. no. 81, . (2016)

62. Improving plasma confinement by controlling hard X-ray

Hasanvand, N., Riazifar, M.R., Alipour, R., Meshkani, S., Ghoranneviss, M.

Chinese Physics Letters, 33 (11), art. no. 115202, . (2016)

63. Carbon nanotubes growth on sub-surface catalyst layer of Cu-Ni nanoparticles thin film

Izadyar, S., Hantehzadeh, M.R., Ghoranneviss, M., Elahi, S.M., Boochani, A.

Protection of Metals and Physical Chemistry of Surfaces, 52 (6), pp. 1043-1045. (2016)

64. Fractal features and surface micromorphology of diamond nanocrystals

ȚĂlu, Ș., Bramowicz, M., Kulesza, S., Ghaderi, A., Dalouji, V., Solaymani, S., Kenari, M.F., Ghoranneviss, M.

Journal of Microscopy, 264 (2), pp. 143-152. (2016)

65. Structural Properties of Silicon Carbide Nano Structures Grown on Quartz Substrate Using CVD Method

Mahmoodi, A., Ghoranneviss, M., Mehrani, K.

Theoretical and Experimental Chemistry, pp. 1-6. Article in Press. (2016)

66. A New Perspective on Protection of Nuclear Reactor Surfaces From High Energy Plasma Irradiation by Equilibrium Reconstruction

Naghidokht, A., Elahi, A.S., Ghoranneviss, M., Khodabakhsh, R.

IEEE Transactions on Nuclear Science, 63 (5), art. no. 7539276, pp. 2703-2708. (2016)

67. Feedback controller input design for ignition of deuterium-tritium in NSTX tokamak

Naghidokht, A., Salar Elahi, A., Ghoranneviss, M., Khodabakhsh, R.

International Journal of Hydrogen Energy, 41 (34), pp. 15272-15276. (2016)

68. Effects of various deposition times and RF powers on CdTe thin film growth using magnetron sputtering

Ghorannevis, Z., Akbarnejad, E., Ghoranneviss, M.

Journal of Theoretical and Applied Physics, 10 (3), pp. 225-231. (2016)

69. Structural Properties of Silicon Carbide Nano Structures Grown on Quartz Substrate Using CVD Method

Mahmoodi, A., Ghoranneviss, M., Mehrani, K.

Theoretical and Experimental Chemistry, 52 (4), pp. 259-264. (2016)

70. Double capacitive probe for the measurement of plasma potential in tokamak

Shahbazian, A., Elahi, A.S., Ghoranneviss, M.

Instruments and Experimental Techniques, 59 (5), pp. 688-691. (2016)

71. Photovoltaic and UV detector applications of ZnS/rGO nanocomposites synthesized by a green method

Azimi, H.R., Ghoranneviss, M., Elahi, S.M., Yousefi, R.  
Ceramics International, 42 (12), pp. 14094-14099. (2016)

**72. The Effects of Percent and Position of Nitrogen Atoms on Electronic and Thermoelectric Properties of Graphene Nanoribbons**

Jafari, A., Ghoranneviss, M., Gholami, M., Salar Elahi, A., Kavosi ghafi, A.  
Journal of Inorganic and Organometallic Polymers and Materials, 26 (5), pp. 1095-1100. (2016)

**73. Microstructure and corrosion resistance of tantalum after nitrogen ion implantation**

Ramezani, A.H., Hantehzadeh, M.R., Ghoranneviss, M., Darabi, E.  
Corrosion Engineering Science and Technology, 51 (6), pp. 393-399. (2016)

**74. Techniques for improving plasma confinement in IR-T1 Tokamak**

Ghoranneviss, M., Meshkani, S.  
International Journal of Hydrogen Energy, 41 (29), pp. 12555-12562. (2016)

**75. Techniques for improving plasma confinement in IR-T1 Tokamak**

Ghoranneviss, M., Meshkani, S.  
International Journal of Hydrogen Energy, 41 (29), pp. 12555-12562. (2016)

**76. Effect of quantum correction on nonlinear thermal wave of electrons driven by laser heating**

Nafari, F., Ghoranneviss, M.  
Physics of Plasmas, 23 (8), art. no. 082302, . (2016)

**77. Synthesis and investigation of silicon carbide nanowires by HFCVD method**

Mortazavi, S.H., Ghoranneviss, M., Dadashbaba, M., Alipour, R.  
Bulletin of Materials Science, 39 (4), pp. 953-960. (2016)

**78. Application of RF magnetron sputtering for growth of AZO on glass substrate**

Ghorannevis, Z., Akbarnejad, E., Salar Elahi, A., Ghoranneviss, M.  
Journal of Crystal Growth, 447, pp. 62-66. (2016)

**79. Evaluation of treatment and disinfection of water using cold atmospheric plasma**

Rashmei, Z., Bornasi, H., Ghoranneviss, M.  
Journal of Water and Health, 14 (4), pp. 609-616. (2016)

**80. Increase of the Surface Mobility of Carbon Molecular Crystals (CMCs) Using the PECVD Technique**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Inorganic and Organometallic Polymers and Materials, 26 (4), pp. 773-779. (2016)

**81. Growth and Characterization of Tungsten Oxide Thin Films using the Reactive Magnetron Sputtering System**

Firoozbakht, S., Akbarnejad, E., Salar Elahi, A., Ghoranneviss, M.  
Journal of Inorganic and Organometallic Polymers and Materials, 26 (4), pp. 889-894. (2016)

**82. New Design and Simulation of Modified Helix Half-Ring Structure in TWTs Amplifier**

Panahi, N., Saviz, S., Ghoranneviss, M.  
IEEE Transactions on Plasma Science, . Article in Press. (2016)

**83. Feedback controller input design for ignition of deuterium-tritium in NSTX tokamak**

Naghidokht, A., Salar Elahi, A., Ghoranneviss, M., Khodabakhsh, R.  
International Journal of Hydrogen Energy, . Article in Press. (2016)

84. **Structural modification of tantalum crystal induced by nitrogen ion implantation**  
Ramezani, A.H., Hantehzadeh, M.R., Ghoranneviss, M., Darabi, E.  
*Bulletin of Materials Science*, 39 (3), pp. 633-640. (2016)
85. **A novel design of feedback control system for plasma horizontal position in IR-T1 tokamak**  
Naghidokht, A., Khodabakhsh, R., Salar Elahi, A., Ghoranneviss, M.  
*Fusion Engineering and Design*, 107, pp. 82-89. (2016)
86. **Optimization of Gas Sensing Performance of Nanocrystalline SnO<sub>2</sub> Thin Films Synthesized by Magnetron Sputtering**  
Panahi, N., Hosseinnejad, M.T., Shirazi, M., Ghoranneviss, M.  
*Chinese Physics Letters*, 33 (6), art. no. 066802, . (2016)
87. **Plasma equilibrium reconstruction for the nuclear fusion of magnetically confined hydrogen isotopes**  
Habibian, J., Salar Elahi, A., Ghoranneviss, M., Salem, M.K., Saviz, S.  
*International Journal of Hydrogen Energy*, 41 (34), pp. 15266-15271. (2016)
88. **Dyeing properties of the atmospheric pressure plasma-treated polypropylene fabric subjected to butane tetra carboxylic acid**  
Shahidi, S., Ghoranneviss, M., Ilali, R., Karami, M., Miladi, M.  
*Journal of the Textile Institute*, 107 (5), pp. 636-644. (2016)
89. **Deposition of nano tungsten oxide on glass mat using hot filament chemical vapor deposition for high catalytic activity**  
Shahidi, S., Jafari, A., Sharifi, S.D., Ghoranneviss, M.  
*High Temperature Materials and Processes*, 35 (5), pp. 515-521. (2016)
90. **Thermal stability of amorphous tungsten/tungsten nitride synthesis using HFCVD as a diffusion barrier for copper**  
Asgary, S., Hantehzadeh, M.R., Ghoranneviss, M., Boochani, A.  
*Applied Physics A: Materials Science and Processing*, 122 (5), art. no. 518, . (2016)
91. **Prevention of Plasma-Surface Interactions by Control of Plasma Equilibrium in Large Aspect Ratio Tokamaks**  
Amerian, Z., Ghoranneviss, M., Salem, M.K., Salar Elahi, A.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 26 (3), pp. 675-679. (2016)
92. **Review of carbon nanotubes production by thermal chemical vapor deposition technique**  
Ghoranneviss, M., Elahi, A.S.  
*Molecular Crystals and Liquid Crystals*, 629 (1), pp. 158-164. (2016)
93. **Erratum to: The Effects of Growth Time on WO<sub>3</sub> Nanostructure Synthesized by HFCVD Method (J Fusion Energy, 2015, 34, 1157-1161, 10.1007/s10894-015-9935-2)**  
Ghorannevis, Z., Jafari, A., Alipour, R., Ghoranneviss, M.  
*Journal of Fusion Energy*, 35 (2), p. 482. (2016)
94. **Feedback System Design for Plasma Horizontal Position Control in IR-T1 Tokamak**  
Naghidokht, A., Khodabakhsh, R., Ghoranneviss, M., Salar Elahi, A.  
*Journal of Fusion Energy*, 35 (2), pp. 415-421. (2016)
95. **The Study of Surface Properties of Tokamak First Wall Using TiN Coated on Stainless Steel**  
Jafari, A., Meshkani, S., Ghoranneviss, M.  
*Journal of Fusion Energy*, 35 (2), pp. 235-239. (2016)



96. **The Hydrogen Plasma Effect on the Tungsten Oxide Nano-Sheets in Tokamak**  
Jafari, A., Ghoranneviss, M., Meshkani, S.  
*Journal of Fusion Energy*, 35 (2), pp. 306-311. (2016)
97. **Controlling the Diffusion of Runaway Electrons by Safety Factor Changes in IR-T1 Tokamak**  
Ghanbari, M.R., Ghoranneviss, M., Salar Elahi, A., Mohammadi, S., Arvin, R.  
*Journal of Fusion Energy*, 35 (2), pp. 180-186. (2016)
98. **Growth and characterization of boron doped graphene by Hot Filament Chemical Vapor Deposition Technique (HFCVD)**  
Jafari, A., Ghoranneviss, M., Salar Elahi, A.  
*Journal of Crystal Growth*, 438, pp. 70-75. (2016)
99. **Structure, morphology and electrical resistance of W<sub>x</sub>N thin film synthesized by HFCVD method with various N<sub>2</sub> contents**  
Asgary, S., Hantehzadeh, M.R., Ghoranneviss, M., Boochani, A.  
*Rare Metals*, pp. 1-9. Article in Press. (2016)
100. **Numerical Study of Spin-Dependent Transport Through a Magnetic Quantum Wire with Lattice Vacancy**  
Jafari, A., Ghoranneviss, M.  
*International Journal of Theoretical Physics*, 55 (3), pp. 1912-1919. (2016)
101. **Dielectric-Loaded Plasma Filled Helix Traveling Wave Tube Analysis Based on the Linearized Field Theory**  
Dehghaninejad, A., Saviz, S., Ghorannevis, M.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 26 (2), pp. 446-459. (2016)
102. **Tokamak Coils Materials and Toroidal Field Ripples Calculation Using the Comsol Multiphysics**  
Mahdavi-pour, B., Salar Elahi, A., Ghoranneviss, M.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 26 (2), pp. 439-445. (2016)
103. **Specialized Study on Morphological Features of Tungsten Carbide Thin Film Synthesis by HFCVD**  
Jafari, A., Alipour, R., Ghoranneviss, M., Ramezani, A.H.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 26 (2), pp. 384-393. (2016)
104. **Dye decorated ZnO-NWs /CdS-NPs heterostructures for efficiency improvement of quantum dots sensitized solar cell**  
Nayeri, F.D., Akbarnejad, E., Ghoranneviss, M., Soleimani, E.A., Hashemizadeh, S.A.  
*Superlattices and Microstructures*, 91, pp. 244-251. (2016)
105. **Preparation of Nanostructured ZnO Thin Films Using Magnetron Sputtering for the Gas Sensors Applications**  
Hosseinnejad, M.T., Shirazi, M., Ghoranneviss, M., Hantehzadeh, M.R., Darabi, E.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 26 (2), pp. 405-412. (2016)
106. **The cytokinesis-blocked micronucleus assay: dose-response calibration curve, background frequency in the population and dose estimation**  
Rastkhah, E., Zakeri, F., Ghoranneviss, M., Rajabpour, M.R., Farshidpour, M.R., Mianji, F., Bayat, M.

Radiation and Environmental Biophysics, 55 (1), pp. 41-51. (2016)

**107. Corrosion resistance behavior of nitrogen ion-implanted in tantalum**

Ramezani, A.H., Hantehezadeh, M.R., Ghoranneviss, M., Darabi, E.  
Applied Physics A: Materials Science and Processing, 122 (3), . (2016)

**108. Investigation on the effects of the atmospheric pressure plasma on wound healing in diabetic rats**

Fathollah, S., Mirpour, S., Mansouri, P., Dehpour, A.R., Ghoranneviss, M.,  
Rahimi, N., Safaie Naraghi, Z., Chalangari, R., Chalangari, K.M.  
Scientific Reports, 6, art. no. 19144, . (2016)

**109. Nitrogen ion bombardment of multilayer graphene films grown on Cu foil by LPCVD**

Jafari, A., Ghorannevis, Z., Ghoranneviss, M., Karimi, S.  
International Journal of Materials Research, 107 (2), pp. 177-183. (2016)

**110. The study of plasma-TiN interaction in Tokamak**

Ghoranneviss, M., Meshkani, S., Jafari, A.  
Journal of Alloys and Compounds, 656, pp. 318-325. (2016)

**111. Optical absorption enhancement of CdTe nanostructures by low-energy nitrogen ion bombardment**

Akbarnejad, E., Ghoranneviss, M., Mohajezadeh, S., Hantehezadeh, M.R., Asl  
Soleimani, E.  
Journal of Physics D: Applied Physics, 49 (7), art. no. 075301, . (2016)

**112. Black and green tea decontamination by cold plasma**

Amini, M., Ghoranneviss, M.  
Research Journal of Microbiology, 11 (1), pp. 42-46. (2016)

**113. Bias Effects on the Reynolds Stress Using the Multi-Purpose Probe in IR-T1 Tokamak**

Lafouti, M., Ghoranneviss, M.  
Chinese Physics Letters, 33 (1), art. no. 015203, . (2016)

**114. Review of the chemical vapour deposition applications for the microelectronic devices**

Elahi, A.S., Ghoranneviss, M.  
International Journal of Materials and Product Technology, 52 (3-4), pp. 353-  
361. (2016)

**115. Structural properties of resonant electric and magnetic fields correlation with X-ray generation and MHD activity in tokamak**

Salar Elahi, A., Ghoranneviss, M.  
Results in Physics, 6, pp. 1152-1156. (2016)

**116. Plasma Sputtering for Fabrication of Antibacterial and Ultraviolet Protective Fabric**

Shahidi, S., Ghoranneviss, M.  
Clothing and Textiles Research Journal, 34 (1), pp. 37-47. (2016)

**117. Effect of plasma power on growth of multilayer graphene on copper using plasma enhanced chemical vapour deposition**

Jafari, A., Ghoranneviss, M., Hantehezadeh, M.R., Boochani, A.  
Journal of Chemical Research, 40 (1), pp. 40-43. (2016)

**118. HFCVD Application for Growth of Monoclinic Tungsten Trioxide Crystal Nano-walls**

Jafari, A., Ghoranneviss, M., Salar Elahi, A.  
Journal of Inorganic and Organometallic Polymers and Materials, 26 (1), pp.  
254-258. (2016)

119. Cadmium Telluride Nanostructure Deposition by RF Magnetron Sputtering on Flexible Cu Foils  
Akbarnejad, E., Ghoranneviss, M., Salar Elahi, A.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 26 (1), pp. 270-275. (2016)
120. Clinical surface modification process using the nitrogen plasma and its anti-bacterial efficiency  
Ghoranneviss, M., Shahidi, S., Elahi, A.S.  
*Journal of X-Ray Science and Technology*, 24 (6), pp. 893-900. (2016)
121. Magnetic System and Equilibrium Reconstruction for ITER using the GSE Solution and TEQ Code  
Naghidokht, A., Khodabakhsh, R., Ghoranneviss, M., Salar Elahi, A.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 26 (1), pp. 172-177. (2016)
122. A confident source of hard X-rays: Radiation from a tokamak applicable for runaway electrons diagnosis  
Kafi, M., Salar Elahi, A., Ghoranneviss, M., Ghanbari, M.R., Salem, M.K.  
*Journal of Synchrotron Radiation*, 23, pp. 1227-1231. (2016)
123. Thermo optical properties of Ag nanoparticles produced by pulsed laser ablation  
Rashidian, M., Ghoranneviss, M., Dorrnian, D.  
*Optical and Quantum Electronics*, 47 (12), pp. 3729-3745. (2015)
124. Review on Plasma Edge Analysis Using the Auto-Correlation and Probability Distributions of Fluctuations  
Agah, K.M., Salar Elahi, A., Ghoranneviss, M.  
*Journal of Fusion Energy*, 34 (6), pp. 1356-1364. (2015)
125. Low temperature preparation of cadmium sulfide thin films for solar cell application  
Akbarnejad, E., Ghorannevis, Z., Ghoranneviss, M., Hantehzadeh, M.  
*Journal of Nanoelectronics and Optoelectronics*, 10 (6), pp. 818-822. (2015)
126. Investigation of Effective Parameters on Metal Nitride Deposition by Plasma Focus Device: Number of Shots and Substrate Axial and Angular Positions  
Hosseinnejad, M.T., Ghorannevis, Z., Ghoranneviss, M., Etaati, G.R., Shirazi, M.  
*Journal of Fusion Energy*, 34 (6), pp. 1217-1228. (2015)
127. The study of pinch regimes based on radiation-enhanced compression and anomalous resistivity phenomena and their effects on hard x-ray emission in a Mather type dense plasma focus device (SABALAN2)  
Piriaei, D., Mahabadi, T.D., Javadi, S., Ghoranneviss, M., Saw, S.H., Lee, S.  
*Physics of Plasmas*, 22 (12), art. no. 123507, . (2015)
128. Preparation of Poriferous Glass Bodies by Useless Glasses Partial Sintering Process  
Ghoranneviss, M., Elahi, A.S.  
*Materials and Manufacturing Processes*, 30 (11), pp. 1348-1353. (2015)
129. Morphological and Field Emission Properties of ZnO Deposited MWCNT by RF Sputtering and PECVD  
Farazmand, P., Fehli, S., Salar Elahi, A., Ghoranneviss, M.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 25 (6), pp. 1470-1477. (2015)
130. Magnetron Sputtered AZO Thin Film Preparation for the Solar Cells Applications  
Ghorannevis, Z., Akbarnejad, E., Salar Elahi, A., Ghoranneviss, M.  
*Journal of Inorganic and Organometallic Polymers and Materials*, 25 (6), pp. 1486-1489. (2015)

**131. Plasma Effect on the Fast- and Mixed-Wave Modes of Gyrotron Devices**

Allahyari, E., Saviz, S., Ghoranneviss, M.

IEEE Transactions on Plasma Science, 43 (11), art. no. 7299651, pp. 3833-3840. (2015)

**132. Characterization of Gamma Irradiated Low and High Density Polyethylene Using the FTIR and DSC Technique**

Sadighzadeh, A., Azimzadeh Asiabi, P., Ramazani, A., Ghoranneviss, M., Salar Elahi, A.

Journal of Inorganic and Organometallic Polymers and Materials, 25 (6), pp. 1448-1455. (2015)

**133. Carbonization, Impregnation and Activation Synthesis for Sulfur Dioxide Adsorbent Capacity of Carbon**

Sadighzadeh, A., Azimzadeh Asiabi, P., Bavand, A., Hamidi, A.A., Ghoranneviss, M., Salar Elahi, A.

Journal of Inorganic and Organometallic Polymers and Materials, 25 (6), pp. 1542-1546. (2015)

**134. The Effects of Growth Time on WO<sub>3</sub> Nanostructure Synthesized by HFCVD Method**

Ghorannevis, Z., Jafari, A., Alipour, R., Ghoranneviss, M.

Journal of Fusion Energy, 34 (5), pp. 1157-1161. (2015)

**135. Influence of the Collisions on the Dusty Plasma Sheath in the Presence of an Oblique Magnetic Field**

Nafari, F., Ghoranneviss, M., Yasserian, K.

Journal of Fusion Energy, 34 (5), pp. 1175-1180. (2015)

**136. Magnetron amplifier-type helix loaded waveguide analysis based on dispersion relation**

Dehghaninejad, A., Saviz, S., Ghoranneviss, M., Salar Elahi, A.

IEEE Transactions on Electron Devices, 62 (10), art. no. 7206577, pp. 3413-3418. (2015)

**137. The Impact of Improved Nucleation Layer on the Properties of Boron-Doped Diamond Films**

Azadfar, P., Ghoranneviss, M., Elahi, S.M., Salar Elahi, A.

Journal of Inorganic and Organometallic Polymers and Materials, 25 (5), pp. 1040-1043. (2015)

**138. A review-application of physical vapor deposition (PVD) and related methods in the textile industry**

Shahidi, S., Moazzenchi, B., Ghoranneviss, M.

EPJ Applied Physics, 71 (3), art. no. 31302, . (2015)

**139. Nuclear reactors**

Elahi, A.S., Ghoranneviss, M., Deutsch, C., Ahmed, M.W.

Advances in Mechanical Engineering, 7 (9), p. 1. (2015)

**140. Synthesis of carbon nanotubes using the cobalt nanocatalyst by thermal chemical vapor deposition technique**

Madani, S.S., Zare, K., Ghoranneviss, M., Salar Elahi, A.

Journal of Alloys and Compounds, 648, art. no. 34753, pp. 1104-1108. (2015)

**141. Determination of Electron Energy Distribution Function in Tokamak Plasma**

Roudaki, F.S., Salar Elahi, A., Ghoranneviss, M.

Journal of Fusion Energy, 34 (4), pp. 911-917. (2015)

**142. NaI Scintillator Application for Detection of X-ray Due to Hotfoot Electrons in Tokamak**

Mikaili Agah, K., Ghoranneviss, M., Elahi, A.S.

Journal of Inorganic and Organometallic Polymers and Materials, 25 (4), pp. 848-854. (2015)

**143.Synthesis of Carbon Nanotube and Zinc Oxide (CNT-ZnO) Nanocomposite**

Farazmand, P., Khanlary, M., Fehli, S., Salar Elahi, A., Ghoranneviss, M.  
Journal of Inorganic and Organometallic Polymers and Materials, 25 (4), pp. 942-947. (2015)

**144.Specialized investigations on physical and morphological features of TiC thin films synthesized by PECVD method**

Alipour, R., Meshkani, S., Ghoranneviss, M.  
EPJ Applied Physics, 71 (1), art. no. 10302, . (2015)

**145.Nano-Scale Precipitates of Reduced Activation Steels for the Application of Nuclear Fusion Reactors**

Moniri, S., Ghoranneviss, M., Hantehzadeh, M.R., Salar Elahi, A.  
Journal of Fusion Energy, 34 (3), pp. 449-455. (2015)

**146.Morphology Control of Graphene by LPCVD**

Jafari, A., Ghoranneviss, M., Hantehzadeh, M.R.  
Journal of Fusion Energy, 34 (3), pp. 532-539. (2015)

**147.Effect of hot filament chemical vapour deposition growth method on tungsten carbide nanostructures**

Jafari, A., Akbarnejad, E., Ghoranneviss, M., Fasihi Yazdi, N., Rezaei, A.  
Journal of Chemical Research, 39 (6), pp. 328-331. (2015)

**148.Characterization of nanostructured zinc oxide thin films synthesized at room temperature using low energy plasma focus device**

Hosseinnejad, M.T., Shirazi, M., Ghoranneviss, M., Hantehzadeh, M.R., Darabi, E.  
Ceramics International, 41 (10), pp. 15024-15033. (2015)

**149.Morphological and electrical properties of few layer graphene after nitrogen doping by LPCVD technique**

Jafari, A., Ghoranneviss, M., Hantehzadeh, M.R., Salar Elahi, A.  
Journal of Alloys and Compounds, 644, pp. 97-100. (2015)

**150.Growth of Inorganic Solid Nanorods by Hot Filament Chemical Vapor Deposition Technique**

Ghoranneviss, M., Salar Elahi, A., Bakhshkandi, R.  
Molecular Crystals and Liquid Crystals, 609 (1), pp. 228-234. (2015)

**151.Growth of boron-doped diamond nanoclusters using the HFCVD technique**

Azadfar, P., Ghoranneviss, M., Elahi, S.M., Farhadyar, N., Salar Elahi, A.  
Journal of Crystal Growth, 415, pp. 166-169. (2015)

**152.Application of the HFCVD technique for growth of nano-rods and nano-crystals**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Crystal Growth, 410, pp. 82-92. (2015)

**153.MF-DFA Analysis of Turbulent Transport Measured by a Multipurpose Probe**

Lafouti, M., Ghoranneviss, M.  
Chinese Physics Letters, 32 (10), art. no. 105201, . (2015)

**154.Microstructure study of alloy to enhance safety and reduce adverse environmental effects of future fusion power plants**

Ghoranneviss, M., Elahi, A.S.  
Fusion Engineering and Design, 94 (1), pp. 1-6. (2015)

155. Growth of diamond-like carbon and icosahedral boron carbide by chemical vapor deposition system  
Ghoranneviss, M., Elahi, A.S.  
*Molecular Crystals and Liquid Crystals*, 608 (1), pp. 223-236. (2015)
156. Design and Fabrication of Comparative Langmuir Ball-Pen Probe (LBP) for the Tokamak  
Meshkani, S., Ghoranneviss, M., Salar Elahi, A., Lafouti, M.  
*Journal of Fusion Energy*, 34 (2), pp. 394-397. (2015)
157. Novel Design of Multi-Purpose Probe for the Measurement of Plasma Density Gradient, Flow and Transport  
Lafouti, M., Ghoranneviss, M., Salar Elahi, A., Meshkani, S.  
*Journal of Fusion Energy*, 34 (2), pp. 273-276. (2015)
158. Effect of external resonant fields and limiter biasing on hard X-ray intensity and mirnov oscillations in IR-T1 Tokamak  
Ghanbari, K., Ghoranneviss, M., Elahi, A.S.  
*Journal of Plasma Physics*, 81 (1), art. no. 905810103, . (2015)
159. Plasma-based sputtering of indium tin oxide for the application of photovoltaic cells  
Akbarnejad, E., Ghorannevis, Z., Ghoranneviss, M., Elahi, A.S.  
*Radiation Effects and Defects in Solids*, 170 (6), pp. 541-547. (2015)
160. Evaluation of optical properties of diamond-like carbon films on stainless steel coated by tantalum as an interlayer using plasma enhanced CVD method  
Vaghri, E., Khalaj, Z., Ghoranneviss, M.  
*Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry*, 45 (9), pp. 1434-1438. (2015)
161. The effects of growth time on the quality of graphene synthesized by LPCVD  
Jafari, A., Alipour, R., Ghoranneviss, M.  
*Bulletin of Materials Science*, 38 (3), pp. 707-710. (2015)
162. Comparative study on cobalt and nickel NPs for MWCNT growth by TCVD system  
Madani, S.S., Zare, K., Ghoranneviss, M., Monajjemi, M.  
*Studia Universitatis Babes-Bolyai Chemia*, 60 (1), pp. 213-227. (2015)
163. Investigation of Ta nanoparticles characteristics produced by laser ablation method  
Azadi Kenari, F., Sari, A.H., Ghoranneviss, M., Hantehzadeh, M.R.  
*Proceedings of SPIE - The International Society for Optical Engineering*, 9545, art. no. 95450U, . (2015)
164. Improving synthetic and natural dyeability of polyester fabrics by dielectric barrier discharge  
Shahidi, S., Ghoranneviss, M., Wiener, J.  
*Journal of Plastic Film and Sheeting*, 31 (3), pp. 286-308. (2015)
165. Energetic electrons, hard x-ray emission and MHD activity studies in the IR-T1 tokamak  
Agah, K.M., Ghoranneviss, M., Elahi, A.S.  
*Journal of X-Ray Science and Technology*, 23 (2), pp. 267-274. (2015)
166. Approaching to the ideal condition of plasma confinement by applying external resonant fields in IR-T1 tokamak  
Meshkani, S., Ghoranneviss, M., Lafouti, M.  
*Journal of Plasma Physics*, 81 (3), art. no. 905810313, . (2015)
167. Growth of dual DLC and icosahedral boron carbide nano-crystals by HFCVD

- Ghoranneviss, M., Elahi, A.S., Dadashbaba, M.  
*Molecular Crystals and Liquid Crystals*, 608 (1), pp. 103-115. (2015)
168. Effect of plasma treatment on self-cleaning of textile fabric using titanium dioxide  
Shahidi, S., Ahmadi, M., Rashidi, A., Ghoranneviss, M.  
*Micro and Nano Letters*, 10 (8), pp. 408-413. (2015)
169. Thermoelectric properties of T-shaped graphene nanodevice  
Jafari, A., Ghoranneviss, M., Boochani, A., Hantehzadeh, M.R.  
*International Journal of Modern Physics B*, 29 (20), art. no. 1550133, . (2015)
170. Design and fabrication a novel probe in IR-T1 Tokamak  
Ghoranneviss, M., Meshkani, S., Lafouti, M.  
*Problems of Atomic Science and Technology*, 95 (1), pp. 271-275. (2015)
171. Nanomaterial synthesis, characterization, and application  
Ghoranneviss, M., Soni, A., Talebitaher, A., Aslan, N.  
*Journal of Nanomaterials*, 2015, art. no. 892542, . (2015)
172. Preparation of multifunctional wool fabric using chitosan after plasma treatment  
Shahidi, S., Ghoranneviss, M., Dalalsharifi, S.  
*Journal of the Textile Institute*, 106 (10), pp. 1127-1134. (2015)
173. Biased limiter and RHF effects on x-ray intensity and mirnov oscillations  
Elahi, A.S., Ghoranneviss, M.  
*IEEE Transactions on Plasma Science*, 42 (11), art. no. 6911984, pp. 3555-3559. (2014)
174. Tokamak plasma parameters in the presence of resonant field and biased electrode  
Elahi, A.S., Ghoranneviss, M.  
*IEEE Transactions on Plasma Science*, 42 (10), art. no. 6901250, pp. 3397-3402. (2014)
175. Investigation on the structural properties and corrosion inhibition of W coatings on stainless steel AISI 304 using PF device  
Habibi, M., Javadi, S., Ghoranneviss, M.  
*Surface and Coatings Technology*, 254, pp. 112-120. (2014)
176. Synthesis and characterization of nanostructured ZnO multilayer grown by DC magnetron sputtering  
Shirazi, M., Hosseinejad, M.T., Zendehtnam, A., Ghoranneviss, M., Reza Etaati, G.  
*Journal of Alloys and Compounds*, 602, pp. 108-116. (2014)
177. Effect of various parameters on edge plasma stability in IR-T1 tokamak  
Mikaili Agah, K., Ghoranneviss, M.  
*Journal of Fusion Energy*, 33 (2), pp. 130-138. (2014)
178. Flame retardant properties of plasma pretreated/metallic salt loaded cotton fabric before and after direct dyeing  
Ghoranneviss, M., Shahidi, S.  
*Journal of Fusion Energy*, 33 (2), pp. 119-124. (2014)
179. Effect of atmospheric pressure plasma treatment/ followed by chitosan grafting on antifelting and dyeability of wool fabric  
Shahidi, S., Ghoranneviss, M., Dalal Sharifi, S.

Journal of Fusion Energy, 33 (2), pp. 177-183. (2014)

**180. New advances in plasma technology for textile**

Shahidi, S., Ghoranneviss, M., Moazzenchi, B.  
Journal of Fusion Energy, 33 (2), pp. 97-102. (2014)

**181. STFT analysis of the particle transport on the IR-T1 Tokamak plasma sheath**

Meshkani, S., Lafouti, M., Ghoranneviss, M., Salar Elahi, A.  
Journal of Fusion Energy, 33 (2), pp. 108-118. (2014)

**182. Plasma confinement modification in IR-T1 tokamak by velocity shear stabilization**

Ghoranneviss, M., Lafouti, M., Meshkani, S., Salar Elahi, A.  
Journal of Fusion Energy, 33 (2), pp. 158-165. (2014)

**183. Plasma and KMnO<sub>4</sub> oxidation of polyacrylonitrile nanofiber**

Mortazavi, S.H., Pilehvar, S., Ghoranneviss, M., Hosseinejad, M.T., Dejam, L.  
Molecular Crystals and Liquid Crystals, 592 (1), pp. 115-122. (2014)

**184. Measuring the electrical conductivity of carbon nanotubes grown on sodalime glass substrates using Cu as catalyst**

Mahmoodi, A., Ghoranneviss, M.  
Molecular Crystals and Liquid Crystals, 591 (1), pp. 86-90. (2014)

**185. Electron beam reduction method for preparing the catalyst layer in the growth of carbon nanotubes**

Mahmoodi, A., Ghoranneviss, M., Mehrani, K.  
Molecular Crystals and Liquid Crystals, 591 (1), pp. 19-24. (2014)

**186. Modification of Plasma Confinement by Applying External Resonant Fields in IR-T1 Tokamak**

Lafouti, M., Ghoranneviss, M., Meshkani, S.  
Proceedings - 2014 International Conference on Mathematics and Computers in Sciences and in Industry, MCSI 2014, art. no. 7046190, pp. 240-244. (2014)

**187. Evolution of the IR-T1 tokamak plasma local and global parameters**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 33 (1), pp. 1-7. (2014)

**188. Effect of plasma pretreatment followed by nanoclay loading on flame retardant properties of cotton fabric**

Shahidi, S., Ghoranneviss, M.  
Journal of Fusion Energy, 33 (1), pp. 88-95. (2014)

**189. Thickness dependence of structural and optical properties of Al/ZnO films prepared by DC magnetron sputtering**

Ghoranneviss, Z., Milani, M.A., Habibi, M., Ghoranneviss, M.  
Advanced Materials Research, 856, pp. 193-196. (2014)

**190. Tokamak plasma equilibrium analysis based on the relaxation method with a specified magnetic axis**

Elahi, A.S., Ghoranneviss, M.  
Radiation Effects and Defects in Solids, 169 (8), pp. 669-678. (2014)

**191. Fast electrons behavior in presence of external radial electric field in IR-T1 tokamak**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 33 (3), pp. 242-251. (2014)

**192. Application of multipole moments and magnetic techniques for determination of tokamak plasma shift**



- Salar Elahi, A., Ghoranneviss, M.  
*Journal of Plasma Physics*, 80 (1), pp. 9-25. (2014)
193. Review on recent developments in laser driven inertial fusion  
Ghoranneviss, M., Elahi, A.S.  
*Science and Technology of Nuclear Installations*, 2014, art. no. 802054, .  
(2014)
194. Effects of localized disorder on the quantum transport property of a four-terminal graphene nanodevice  
Kordbacheh, A.A., Jafari, A., Ghoranneviss, M., Hantehzadeh, M.  
*Journal of Computational and Theoretical Nanoscience*, 11 (8), pp. 1779-1784.  
(2014)
195. X-ray irradiation analysis based on wavelet transform in tokamak plasma  
Ghanbari, K., Ghoranneviss, M., Salar Elahi, A., Saviz, S.  
*Journal of X-Ray Science and Technology*, 22 (6), pp. 777-783. (2014)
196. The MDF technique for the analysis of tokamak edge plasma fluctuations  
Lafouti, M., Ghoranneviss, M., Meshkani, S., Elahi, A.S.  
*Journal of Plasma Physics*, 80 (1), pp. 43-58. (2014)
197. Erratum to: The direct effect of interfacial nanolayers on thermal conductivity of nanofluids [Heat Mass Transfer, 50, (2014), 1727-1735, DOI 10.1007/s00231-014-1376-3]  
Alipour, R., Ghoranneviss, M., Mirzaee, M., Jafari, A.  
*Heat and Mass Transfer/Waerme- und Stoffuebertragung*, 51 (3), p. 449. (2014)
198. Mechanical and electrochemical properties of tantalum implanted by nitrogen ions  
Ramezani, A.H., Hantehzadeh, M.R., Ghoranneviss, M., Darabi, E.  
*High Temperature Material Processes*, 18 (1-2), pp. 143-153. (2014)
199. The direct effect of interfacial nanolayers on thermal conductivity of nanofluids  
Alipour, R., Ghoranneviss, M., Mirzaee, M., Jafari, A.  
*Heat and Mass Transfer/Waerme- und Stoffuebertragung*, 50 (12), pp. 1727-1735.  
(2014)
200. The effect of biased limiter on the magnetic island width in tokamak plasma  
Ghasemloo, M., Ghoranneviss, M., Salem, M.K.  
*Journal of Plasma Physics*, 80 (1), pp. 113-130. (2014)
201. Plasma stability evaluation based on MHD activity and hard X-ray emission in the IR-T1 tokamak  
Salar Elahi, A., Ghoranneviss, M., Ghanbari, M.R.  
*Journal of Fusion Energy*, 33 (3), pp. 264-268. (2014)
202. Effect of thymol on the antibacterial efficiency of plasma-treated cotton fabric  
Shahidi, S., Aslan, N., Ghoranneviss, M., Korachi, M.  
*Cellulose*, 21 (3), pp. 1933-1943. (2014)
203. Application of partial sintering of waste glasses for preparation of porous glass bodies  
Sadighzadeh, A., Ghoranneviss, M., Salar Elahi, A.  
*Journal of Porous Materials*, 21 (6), pp. 993-999. (2014)
204. Numerical study of the lattice vacancy effects on the quantum transport of four-terminal graphene nanodevice  
Jafari, A., Ghoranneviss, M., Hantehzadeh, M.R., Alipour, R.  
*Indian Journal of Pure and Applied Physics*, 52 (10), pp. 678-683. (2014)

- 205.Design and fabrication of multipurpose diagnostic in IR-T1 Tokamak**  
Lafouti, M., Ghoranneviss, M., Salar Elahi, A., Meshkani, S.  
Advances in Mechanical Engineering, 2014, art. no. 491804, . (2014)
- 206.Plasma Internal Inductance in the Presence of External Resonant Fields in IR-T1 Tokamak**  
Meshkani, S., Ghoranneviss, M., Lafouti, M., Elahi, A.S.  
Journal of Fusion Energy, 33 (6), pp. 619-626. (2014)
- 207.Low energy electron generator design and depth dose prediction for micro-superficies tumors treatment purposes**  
Khorshidi, A., Rajaei, A., Ahmadinejad, M., Ghoranneviss, M., Ettelaee, M.  
Physica Scripta, 89 (9), art. no. 095001, . (2014)
- 208.Low energy electron generator design and depth dose prediction for micro-superficies tumors treatment purposes**  
Khorshidi, A., Rajaei, A., Ahmadinejad, M., Ghoranneviss, M., Ettelaee, M.  
Journal of Physics D: Applied Physics, 47 (40), art. no. 095001, . (2014)
- 209.Nuclear fusion**  
Ghoranneviss, M., Parashar, S.K.S., Aslan, N., Aslaninejad, M., Salar Elahi, A.  
Advances in Materials Science and Engineering, 2014, art. no. 806472, . (2014)
- 210.Effect of hexamethyldisiloxane (HMDSO)/nitrogen plasma polymerisation on the anti felting and dyeability of wool fabric**  
Shahidi, S., Ghoranneviss, M., Wiener, J., Moazzenchi, B., Mortazavi, H.  
Fibres and Textiles in Eastern Europe, 105 (3), pp. 116-119. (2014)
- 211.Effects of Annealing on TiN Thin Film Growth by DC Magnetron Sputtering**  
Jafari, A., Ghoranneviss, Z., Elahi, A.S., Ghoranneviss, M., Fasihi Yazdi, N., Rezaei, A.  
Advances in Mechanical Engineering, 2014, art. no. 373847, . (2014)
- 212.Effects of external resonant fields on the tokamak edge plasma fluctuations**  
Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 32 (6), pp. 627-633. (2013)
- 213.Conductivity of the PGT synthesized by the high energy ball milling (HEBM)**  
Parashar, S.K.S., Ghoranneviss, M., Elahi, A.S.  
Advances in Materials Science and Engineering, 2013, art. no. 198247, . (2013)
- 214.Plasma oxidation and stabilization of electrospun polyacrylonitrile nanofiber for carbon nanofiber formation**  
Hamideh Mortazavi, S., Pilehvar, S., Ghoranneviss, M., Hosseinejad, M.T., Zargham, S., Mirarefi, A.A., Mirarefi, A.Y.  
Applied Physics A: Materials Science and Processing, 113 (3), pp. 703-712. (2013)
- 215.New approaches on application of multipole moments for determination of toroidal plasma shift**  
Salar Elahi, A., Ghoranneviss, M.  
Radiation Effects and Defects in Solids, 168 (9), pp. 654-663. (2013)
- 216.Design and construction of hot limiter biasing system for the tokamak**  
Salar Elahi, A., Ghoranneviss, M., Arvin, R., Mohammadi, S.

- Radiation Effects and Defects in Solids, 168 (9), pp. 642-653. (2013)
217. First results of movable limiter experiments and its effects on the tokamak plasma confinement  
Elahi, A.S., Ghoranneviss, M., Arvin, R., Mohammadi, A.S.  
Radiation Effects and Defects in Solids, 168 (9), pp. 636-641. (2013)
218. Runaway electron generation decrease during a major disruption by limiter biasing in tokamaks  
Ghanbari, M.R., Ghoranneviss, M., Mohammadi, S., Arvin, R.  
Radiation Effects and Defects in Solids, 168 (9), pp. 664-674. (2013)
219. Synthesis of diamond-like carbon structures using Co and Ni catalysts by the PECVD method  
Zare, K., Ghoranneviss, M., Amani Malkeshi, M., Aghaie, H., Khalag, Z., Ghorannevis, Z., Moradi, O.  
Fullerenes Nanotubes and Carbon Nanostructures, 21 (9), pp. 778-786. (2013)
220. The effect of Ni and Co catalysts on the synthesis of carbon nanotubes on silicon substrate  
Zare, K., Ghoranneviss, M., Amani Malkeshi, M., Aghaie, H., Ghorannevis, Z., Moradi, O.  
Fullerenes Nanotubes and Carbon Nanostructures, 21 (9), pp. 787-793. (2013)
221. Sterilization of cotton fabrics using plasma treatment  
Shahidi, S., Ghoranneviss, M.  
Plasma Science and Technology, 15 (10), pp. 1031-1033. (2013)
222. Improving the dyeability of polypropylene fabrics using laser technology  
Shahidi, S., Moazzenchi, B., Ghoranneviss, M.  
Journal of the Textile Institute, 104 (10), pp. 1113-1117. (2013)
223. Analysis of the radial and poloidal turbulent transport in the edge tokamak plasma  
Meshkani, S., Ghoranneviss, M., Lafouti, M., Salar Elahi, A.  
Journal of Plasma Physics, 79 (5), pp. 647-655. (2013)
224. Low MHD activity using resonant helical field and limiter biasing in IR-T1 tokamak  
Lafouti, M., Ghoranneviss, M., Meshkani, S., Salar Elahi, A.  
Journal of Plasma Physics, 79 (5), pp. 765-770. (2013)
225. Particle transport in the edge plasma of the IR-T1 tokamak in the presence of limiter biasing and resonant helical field  
Meshkani, S., Ghoranneviss, M., Lafouti, M., Salar Elahi, A.  
Physica Scripta, 88 (3), art. no. 035502, . (2013)
226. Turbulent transport in the tokamak edge plasma and SOL region  
Meshkani, S., Ghoranneviss, M., Lafouti, M., Salar Elahi, A.  
Journal of Fusion Energy, 32 (4), pp. 496-502. (2013)
227. Effects of hot limiter biasing on tokamak runaway discharges  
Salar Elahi, A., Ghoranneviss, M., Ghanbari, M.R.  
Journal of Fusion Energy, 32 (5), pp. 580-588. (2013)
228. Evaluation of the effects of weak and moderate static magnetic fields on the characteristics of human low density lipoprotein in vitro  
Abdi, S., Dorranean, D., Razavi, A.E., Naderi, G.A., Boshtam, M., Ghorannevis, M.  
Bioelectromagnetics, 34 (5), pp. 397-404. (2013)
229. Control of the plasma characteristics by hot limiter biasing in the IR-T1 tokamak

Agah, K.M., Elahi, A.S., Ghoranneviss, M.  
IEEE Transactions on Plasma Science, 41 (8), art. no. 6527331, pp. 2394-2399.  
(2013)

230. Coating stainless steel with diamond-like carbon using the hot filament chemical vapor deposition system, and its effects on fusion devices

Agah, K.M., Ghoranneviss, M., Salem, M.K., Barzegaran, S., Elahi, A.S., Mohammadi, S., Arvin, R.  
Radiation Effects and Defects in Solids, 168 (9), pp. 717-723. (2013)

231. Calculation of internal inductance and poloidal beta using solov'ev's assumption in a circular cross section tokamak

Rahimi-Rad, A., Ghoranneviss, M.  
Journal of Fusion Energy, 32 (3), pp. 405-409. (2013)

232. Application of picosecond terawatt laser pulses for fast ignition of fusion

Hora, H., Miley, G.H., Ghoranneviss, M., Salar Elahi, A.  
Laser and Particle Beams, 31 (2), pp. 249-256. (2013)

233. Effect of resonant helical field (RHF) on runaway electrons in tokamaks

Ghanbari, M.R., Ghoranneviss, M., Ghanbari, K., Elahi, A.S., Salem, M.K., Mohammadi, S., Arvin, R.  
Journal of Fusion Energy, 32 (5), pp. 543-546. (2013)

234. Modification of tokamak edge plasma turbulence and transport by biasing and resonant helical magnetic field

Lafouti, M., Ghoranneviss, M., Meshkani, S., Salar Elahi, A.  
Review of Scientific Instruments, 84 (5), art. no. 053504, . (2013)

235. Effect of plasma on the zeta potential of cotton fabrics

Rashidi, A., Shahidi, S., Ghoranneviss, M., Dalalsharifi, S., Wiener, J.  
Plasma Science and Technology, 15 (5), pp. 455-458. (2013)

236. Increase of diagnostic mirror lifetime using TiN coated stainless steel by using a plasma focus device

Agah, K.M., Ghoranneviss, M., Salem, M.K., Elahi, A.S., Mohammadi, S., Arvin, R.  
Plasma Science and Technology, 15 (5), pp. 485-488. (2013)

237. Thermal nonlinear optical properties of TiO<sub>2</sub> nanocrystals prepared through pulsed laser ablation

Moslehiraad, F., Majles Ara, M.H., Torkamany, M.J., Afsary, M., Ghoranneviss, M., Sabbaghzadeh, J.  
Laser Physics, 23 (5), art. no. 055402, . (2013)

238. Control of the edge plasma modes by hot limiter biasing in the IR-T1 Tokamak

Ghoranneviss, M., Salar Elahi, A., van Oost, G., Arvin, R., Mohammadi, S.  
Problems of Atomic Science and Technology, (1), pp. 8-11. (2013)

239. Effect of low-pressure nitrogen dc plasma treatment on the surface properties of biaxially oriented polypropylene, poly (Methyl Methacrylate) and polyvinyl chloride films

Mortazavi, S.H., Ghoranneviss, M., Pilehvar, S., Esmaeili, S., Zargham, S., Hashemi, S.E., Jodat, H.  
Plasma Science and Technology, 15 (4), pp. 362-367. (2013)

240. Investigation on dyeability of polypropylene fabrics grafted with chitosan after plasma modification

Shahidi, S., Moazzenchi, B., Ghoranneviss, M., Azizi, S.  
EPJ Applied Physics, 62 (1), pp. 10801-p1-10801-p6. (2013)

- 241. Fabrication of magnesium silicide thin films by pulsed ion beam ablation in a 1.6 kJ plasma focus device**  
Hosseinnejad, M.T., Ghoranneviss, M., Etaati, G.R., Shahgoli, F.  
*Vacuum*, 94, pp. 57-63. (2013)
- 242. The effect of emissive biased limiter on the magnetohydrodynamic modes in the IR-T1 tokamak**  
Ghasemloo, M., Ghoranneviss, M., Salem, M.K., Arvin, R., Mohammadi, S., Nik Mohammadi, A.  
*Physics of Plasmas*, 20 (3), art. no. 032503, . (2013)
- 243. Tokamak edge plasma rotation in the presence of the biased electrode**  
Ghoranneviss, M., Mohammadi, S., Elahi, A.S., Arvin, R.  
*Fusion Engineering and Design*, 88 (2), pp. 94-99. (2013)
- 244. Estimating the radial profile of edge plasma electrical fluctuations in the IR-T1 tokamak**  
Agah, K.M., Ghoranneviss, M., Salem, M.K., Elahi, A.S., Mohammadi, S., Arvin, R.  
*Chinese Physics Letters*, 30 (2), art. no. 025202, . (2013)
- 245. Magnetic-based measurements of tokamak plasma equilibrium parameters**  
Elahi, A.S., Ghoranneviss, M.  
*IEEE Transactions on Plasma Science*, 41 (2), art. no. 6416073, pp. 334-340. (2013)
- 246. Effect of various metallic salts on antibacterial activity and physical properties of cotton fabrics**  
Ghoranneviss, M., Shahidi, S.  
*Journal of Industrial Textiles*, 42 (3), pp. 193-203. (2013)
- 247. Investigation of tokamak plasma MHD activity using fft analysis of mirnov coils oscillations**  
Goodarzi, Z., Ghoranneviss, M., Salar Elahi, A.  
*Journal of Fusion Energy*, 32 (1), pp. 103-106. (2013)
- 248. Investigations into the anti-felting properties of sputtered wool using plasma treatment**  
Borghei, S.M., Shahidi, S., Ghoranneviss, M., Abdolahi, Z.  
*Plasma Science and Technology*, 15 (1), pp. 37-42. (2013)
- 249. Nonlinear electron heat conduction equation and self-similar method for 1-D thermal waves in the laser heating of solid density DT fuel**  
Pourtalari, A.M., Jafarizadeh, M.A., Ghoranneviss, M.  
*Numerical Heat Transfer; Part A: Applications*, 63 (1), pp. 55-73. (2013)
- 250. Design and fabrication of emissive biased limiter and its effect on tokamak plasma**  
Ghasemloo, M., Ghoranneviss, M., Salar Elahi, A., Salem, M.K.  
*Radiation Effects and Defects in Solids*, 168 (1), pp. 42-47. (2013)
- 251. Candidates for laser fusion energy with minimized radioactivity**  
Ghoranneviss, M., Salar Elahi, A., Hora, H., Miley, G.H., Sari, A.H.  
*Journal of Fusion Energy*, 32 (2), pp. 298-303. (2013)
- 252. Estimating time dependence of edge plasma turbulence in IR-T1 tokamak**  
Mikaili Agah, K., Ghoranneviss, M., Salem, M.K., Salar Elahi, A., Mohammadi, S., Arvin, R.  
*Journal of Fusion Energy*, 32 (2), pp. 268-272. (2013)
- 253. Investigation of metallic nanoparticles produced by laser ablation method and their catalytic activity on CVD diamond growth**

- Khalaj, Z., Ghoranneviss, M.  
*Studia Universitatis Babes-Bolyai Chemia*, (2), pp. 21-28. (2012)
254. Preparation and characterization of diamond-like carbon films on various substrates by PECVD system  
Vaghri, E., Khalaj, Z., Ghoranneviss, M.  
*Studia Universitatis Babes-Bolyai Chemia*, (3), pp. 143-150. (2012)
255. How plasma species affect the structural and morphological properties of MWCNTs  
Shams, S., Khalaj, Z., Ghoranneviss, M.  
*Studia Universitatis Babes-Bolyai Chemia*, (3), pp. 167-176. (2012)
256. Deposition and characterization of nano crystalline diamond on different substrates by plasma enhanced CVD technique  
Atefi, H., Khalaj, Z., Ghoranneviss, M.  
*Studia Universitatis Babes-Bolyai Chemia*, (3), pp. 51-58. (2012)
257. Propagation of ion shock in solid DT target with nonlinear force-driven plasma blocks  
Pourtalari, A.M., Jafarizadeh, M.A., Ghoranneviss, M.  
*Radiation Effects and Defects in Solids*, 167 (11), pp. 850-862. (2012)
258. Comparison between oxygen and nitrogen plasma treatment on adhesion properties and antibacterial activity of metal coated polypropylene fabrics  
Shahidi, S., Ghoranneviss, M.  
*Fibers and Polymers*, 13 (8), pp. 971-978. (2012)
259. Using mather-Type plasma focus device for fabrication of tungsten thin films  
Hosseinnejad, M.T., Shirazi, M., Ghoranneviss, Z., Ghoranneviss, M., Shahgoli, F.  
*Journal of Fusion Energy*, 31 (5), pp. 426-431. (2012)
260. Laser fusion energy from p-7Li with minimized radioactivity  
Ghoranneviss, M., Salar Elahi, A., Hora, H., Miley, G.H., Malekynia, B., Abdollahi, Z.  
*Laser and Particle Beams*, 30 (3), pp. 459-463. (2012)
261. Investigation of structural properties of chromium thin films prepared by a plasma focus device  
Javadi, S., Habibi, M., Ghoranneviss, M., Lee, S., Saw, S.H., Behbahani, R.A.  
*Physica Scripta*, 86 (2), art. no. 025801, . (2012)
262. Deposition of DLC film on stainless steel substrates coated by nickel using PECVD method  
Khalaj, Z., Ghoranneviss, M., Vaghri, E., Saghaleini, A., Diudea, M.V.  
*Acta Chimica Slovenica*, 59 (2), pp. 338-343. (2012)
263. Half of internal inductance plus poloidal beta and plasma position in a circular cross-section tokamak  
Rahimi-Rad, A., Ghoranneviss, M., Mohammadi, S., Arvin, R.  
*Physica Scripta*, 86 (1), art. no. 015501, . (2012)
264. Effect of low pressure nitrogen dc plasma on optical properties of biaxial-oriented polypropylene (BOPP), poly methyl methacrylate (PMMA) and poly vinyl chloride (PVC) films  
Mortazavi, S.H., Ghoranneviss, M., Faryadras, S.  
*Journal of Fusion Energy*, 31 (3), pp. 211-215. (2012)
265. Deposition of chromium thin films on stainless steel-304 substrates using a low energy plasma focus device  
Javadi, S., Ghoranneviss, M., Hojabri, A., Habibi, M., Hosseinnejad, M.T.  
*Journal of Fusion Energy*, 31 (3), pp. 242-248. (2012)

**266. Fluorescence emission spectra of silver and silver/cobalt nanoparticles**

Parang, Z., Keshavarz, A., Farahi, S., Elahi, S.M., Ghoranneviss, M., Parhoodeh, S.

*Scientia Iranica*, 19 (3), pp. 943-947. (2012)

**267. Long-distance correlations in TCABR biasing experiments**

Kuznetsov, Y.K., Nascimento, I.C., Silva, C., Figueiredo, H., Guimares-Filho, Z.O., Caldas, I.L., Galvo, R.M.O., Severo, J.H.F., Toufen, D.L., Ruchko, L.F., Elfimov, A.G., Elizondo, J.I., De S, W.P., Usuriaga, O.C., Sanada, E., Melnikov, A.V., Gryaznevich, M.P., Peres Alonso, M., Reis, A.P., MacHida, M., Trembach, D.J., Germano, T.M., Narayanan, R., Ghoranneviss, M., Arvin, R., Mohammadi, S., Tekieh, S.R.S., Borges, F.O., Bellintani, V., Canal, G.P., Duarte, P., De Castro, R.M., Vorobyov, G., Mizintseva, M., Moiseenko, V.E., Do Nascimento, F., Ronchi, G., Schmutzler, L.M.F.

*Nuclear Fusion*, 52 (6), art. no. 063004, . (2012)

**268. Controlling the energy of runaway electrons by emissive limiter biasing in tokamaks**

Ghanbari, M.R., Ghoranneviss, M., Elahi, A.S., Mohamadi, S., Arvin, R.

*Physica Scripta*, 85 (5), art. no. 055502, . (2012)

**269. Analytical technique for determination of toroidal plasma displacement**

Elahi, A.S., Ghoranneviss, M.

*Journal of Fusion Energy*, 31 (2), pp. 191-194. (2012)

**270. Stochastic modeling of plasma mode forecasting in tokamak**

Saadat, S.H., Salem, M., Ghoranneviss, M., Khorshid, P.

*Journal of Plasma Physics*, 78 (2), pp. 99-104. (2012)

**271. Preparation and investigation of optical, thermal, and electrochemical properties of Ag/Co nanoparticles**

Parang, Z., Keshavarz, A., Farahi, S., Elahi, S.M., Ghoranneviss, M., Nasser, A.

*Nano*, 7 (2), art. no. 1250006, . (2012)

**272. Erratum: Effect of quantum correction on the acceleration and delayed heating of plasma blocks**

(*Physical Review E - Statistical, Nonlinear, and Soft Matter Physics* (2012) 85 (036404))

Hora, H., Sadighi-Bonabi, R., Yazdani, E., Afarideh, H., Nafari, F., Ghorannevis, M.

*Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 85 (3), art. no. 039908, . (2012)

**273. Effect of quantum correction on the acceleration and delayed heating of plasma blocks**

Hora, H., Sadighi-Bonabi, R., Yazdani, E., Afarideh, H., Nafari, F., Ghorannevis, M.

*Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 85 (3), art. no. 036404, . (2012)

**274. Design and manufacturing of the electrode biasing system for the tokamak**

Salar Elahi, A., Ghoranneviss, M., Mohammadi, S., Arvin, R.

*IEEE Transactions on Plasma Science*, 40 (3 PART 2), art. no. 6140586, pp. 892-897. (2012)

**275. The effect of temperature on the structure of tantalum nitride (TaN) thin films deposited by DC plasma**

Hantehzadeh, M.R., Mortazavi, S.H., Faryadras, S., Ghoranneviss, M.

*Journal of Fusion Energy*, 31 (1), pp. 84-88. (2012)

**276. Effect of catalyst layer thickness on growth of CVD diamond**

Shahsavari, F., Ghoranneviss, M., Khalaj, Z., Diudeac, M.V.  
Studia Universitatis Babes-Bolyai Chemia, (2), pp. 141-148. (2011)

277. Effect of different substrate temperature on growth of nano crystalline diamond by HFCVD technique  
Atefi, H., Ghoranneviss, M., Khalaj, Z., Diudea, M.V.  
Studia Universitatis Babes-Bolyai Chemia, (2), pp. 133-140. (2011)

278. Preparation of titanium carbide thin film using plasma focus device  
Hosseinnejad, M.T., Ghorannevis, Z., Ghoranneviss, M., Soltanveisi, M., Shirazi, M.  
Journal of Fusion Energy, 30 (6), pp. 516-522. (2011)

279. Comparison of self-fields effects in two-stream electromagnetically pumped FEL with ion-channel guiding and axial magnetic field  
Saviz, S., Mehdiian, H., Aghamir, F.M., Ghorannevis, M., Ashkarran, A.A.  
Journal of Plasma Physics, 77 (6), pp. 765-776. (2011)

280. Improving the surface properties of multi-walled carbon nanotubes after irradiation with gamma rays  
Safibonab, B., Reyhani, A., Nozad Golikand, A., Mortazavi, S.Z., Mirershadi, S., Ghoranneviss, M.  
Applied Surface Science, 258 (2), pp. 766-773. (2011)

281. Measurement of runaway electrons energy by hard X-ray spectroscopy in a small circular cross-section tokamak  
Ghanbari, M.R., Ghoranneviss, M., Elahi, A.S., Mohamadi, S.  
Radiation Effects and Defects in Solids, 166 (10), pp. 789-794. (2011)

282. Characterization of diamond: Like carbon films synthesized by dc-plasma enhanced chemical vapor deposition  
Vaghri, E., Khalaj, Z., Ghoranneviss, M., Borghei, M.  
Journal of Fusion Energy, 30 (5), pp. 447-452. (2011)

283. Filament temperature dependence of the nano-size MgO particles prepared by the HWCVD technique  
Borghei, S.M., Kamali, S., Shakib, M.H., Bazrafshan, A., Ghoranneviss, M.  
Journal of Fusion Energy, 30 (5), pp. 433-436. (2011)

284. Structural and morphological investigations of deposited tungsten nitride thin films using plasma focus device  
Hosseinnejad, M.T., Etaati, G.R., Ghoranneviss, M., Shirazi, M., Ghorannevis, Z.  
Journal of Fusion Energy, 30 (5), pp. 382-387. (2011)

285. Modification of Ti6Al4V corrosion property by nitrogen ion implantation  
Shokouhy, A., Ghoranneviss, M., Larijani, M.M., Yari, M., Haji Hosseini, S.H., Eshghabadi, M.  
Journal of Fusion Energy, 30 (5), pp. 437-441. (2011)

286. Deposition of ZnO multilayer on LiNbO<sub>3</sub> single crystals by DC-magnetron sputtering  
Shirazi, M., Hosseinnejad, M.T., Zندهnam, A., Ghorannevis, Z., Ghoranneviss, M.  
Applied Surface Science, 257 (23), pp. 10233-10238. (2011)

287. Effect of catalyst layer thickness on growth of CVD diamond  
Shahsavari, F., Ghoranneviss, M., Zahra, K., Diudea, M.V.  
Studia Universitatis Babes-Bolyai Chemia, (3), pp. 257-265. (2011)



288. Effect of different substrate temperature on growth of nano crystalline diamond by HFCVD technique  
Atefi, H., Ghoranneviss, M., Khalaj, Z., Diudea, M.V.  
*Studia Universitatis Babes-Bolyai Chemia*, (3), pp. 171-178. (2011)
289. Review about acceleration of plasma by nonlinear forces from picosecond laser pulses and block generated fusion flame in uncompressed fuel  
Hora, H., Miley, G.H., Flippo, K., Lalousis, P., Castillo, R., Yang, X., Malekynia, B., Ghoranneviss, M.  
*Laser and Particle Beams*, 29 (3), pp. 353-363. (2011)
290. Measurement and studied on some plasma parameters in the edge of IR-TI Tokamak  
Razmara, A., Khorshid, P., Ghoranneviss, M.  
*Research Journal of Applied Sciences*, 6 (3), pp. 209-212. (2011)
291. Measuring the changes in InP morphological and electrical specifications caused by oxygen ion implantation  
Ramezani, A.H., Hantezadeh, M.R., Ghoranneviss, M., Sari, A.H.  
*Advanced Materials Research*, 264-265, pp. 1312-1317. (2011)
292. Effect of electron beam bombarding of the catalyst layer on the growth of carbon nanostructures by TCVD method  
Mahmoodi, A., Ghoranneviss, M., Hanifeh, D., Mehrani, Kh., Rahbar Zareh, M.  
*Advanced Materials Research*, 264-265, pp. 1324-1328. (2011)
293. The effect of substrate temperature on the structure and morphology of titanium nitride compounds grown by DC magnetron sputtering  
Hantezadeh, M.R., Bavadi, R., Sari, A.H., Ghoranneviss, M.  
*Journal of Fusion Energy*, 30 (4), pp. 333-337. (2011)
294. Effect of CH<sub>4</sub> ion implantation in pure aluminium  
Sari, H., Jabbari, A.R., Ghoranneviss, M.  
*Journal of Fusion Energy*, 30 (4), pp. 328-332. (2011)
295. Oxygen ion implantation into indium phosphate  
Ramezani, A.H., Hantezadeh, M.R., Ghoranneviss, M., Sari, A.H.  
*Journal of Fusion Energy*, 30 (4), pp. 288-290. (2011)
296. Effects of low temperature on the characteristics of tantalum thin films  
Dorranian, D., Solati, E., Hantezadeh, M., Ghoranneviss, M., Sari, A.  
*Vacuum*, 86 (1), pp. 51-55. (2011)
297. Effects of self-fields on electron trajectory and gain in two-stream electromagnetically pumped free-electron laser with ion channel guiding  
Saviz, S., Aghamir, F.M., Mehdian, H., Ghoranneviss, M.  
*Chinese Physics B*, 20 (7), art. no. 074101, . (2011)
298. Deposition of tungsten nitride thin films by plasma focus device at different axial and angular positions  
Hosseinnejad, M.T., Ghoranneviss, M., Etaati, G.R., Shirazi, M., Ghoranneviss, Z.  
*Applied Surface Science*, 257 (17), pp. 7653-7658. (2011)
299. Determination of tokamak plasma displacement based on vertical field coil characteristics  
Elahi, A.S., Ghoranneviss, M.  
*Fusion Engineering and Design*, 86 (4-5), pp. 442-445. (2011)
300. Deposition of tungsten nitride on stainless steel substrates using plasma focus device

Etaati, G.R., Hosseinejad, M.T., Ghoranneviss, M., Habibi, M., Shirazi, M.  
Nuclear Instruments and Methods in Physics Research, Section B: Beam  
Interactions with Materials and Atoms, 269 (10), pp. 1058-1062. (2011)

301. Etching of 316L stainless steel by different chemical etchant solutions for the growth of carbon nanotubes  
by thermal chemical vapour deposition

Cheraghali, R., Moradi, S.H., Ghoranneviss, M., Azar, P.A., Khorrami, S.A.  
Asian Journal of Chemistry, 23 (7), pp. 2833-2836. (2011)

302. Effect of limiter biasing on runaway electrons in tokamaks

Ghanbari, M.R., Ghoranneviss, M., Salar Elahi, A., Tajdidzadeh, M., Mohamadi,  
S.  
Physica Scripta, 83 (5), art. no. 055501, . (2011)

303. Synthesis and characterization of ZrO<sub>2</sub> nanoparticles by an arc discharge method in water

Ashkarran, A.A., Aghigh, S.M., Afshar, S.A.A., Kaviani-pour, M., Ghoranneviss,  
M.  
Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal  
Chemistry, 41 (5), pp. 425-428. (2011)

304. Resonance effect for strong increase of fusion gains at thermal compression for volume ignition of  
Hydrogen Boron-11

Kouhi, M., Ghoranneviss, M., Malekynia, B., Hora, H., Miley, G.H., Sari,  
A.H., Azizi, N., Razavipour, S.S.  
Laser and Particle Beams, 29 (1), pp. 125-134. (2011)

305. A novel optical technique based on image processing for determination of tokamak plasma displacement

Elahi, A.S., Ghoranneviss, M.  
Journal of Fusion Energy, 30 (2), pp. 116-120. (2011)

306. Investigation on dye ability and antibacterial activity of nanolayer platinum coated polyester fabric using  
DC magnetron sputtering

Shahidi, S., Ghoranneviss, M.  
Progress in Organic Coatings, 70 (4), pp. 300-303. (2011)

307. Effect of electron irradiation on polypropylene films

Shahidi, S., Wiener, J., Ghoranneviss, M., Anvari, A.  
Plasma Science and Technology, 13 (2), pp. 194-196. (2011)

308. Influence of plasma sputtering treatment on natural dyeing and antibacterial activity of wool fabrics

Ghoranneviss, M., Shahidi, S., Anvari, A., Motaghi, Z., Wiener, J.,  
Šlamborová, I.  
Progress in Organic Coatings, 70 (4), pp. 388-393. (2011)

309. Effect of nitrogen ion implantation on microstructure and improvement of titanium corrosion resistance

Shokouhy, A., Ghoranneviss, M., Borghei, M., Yari, M., Larijani, M.M., Haji  
Hosseini, S.H., Asadpour, A.  
Journal of Fusion Energy, 30 (2), pp. 190-194. (2011)

310. Growth of carbon nanowalls by thermal CVD on magnetron Sputtered Fe Thin Film

Eslami, P.A., Ghoranneviss, M., Moradi, S., Azar, P.A., Khorrami, S.A.,  
Laheghi, S.N.  
Fullerenes Nanotubes and Carbon Nanostructures, 19 (3), pp. 237-249. (2011)

311. Plasma position determination by using fixed boundary conditions in GSE solution versus experimental  
technique in IR-T1 tokamak

- Rahimi-Rad, A., Ghoranneviss, M.  
IEEE Transactions on Plasma Science, 39 (3), art. no. 5692841, pp. 893-896.  
(2011)
312. Discrete magnetic probes measurement versus analytical method in determining plasma position in IR-T1 Tokamak  
Rahimi-Rad, A., Ghoranneviss, M., Emami, M.  
Fusion Engineering and Design, 86 (2-3), pp. 163-166. (2011)
313. Influence of dielectric barrier discharge treatment on adhesion properties of platinum coated polypropylene foil and polypropylene fabrics  
Shahidi, S., Wiener, J., Ghoranneviss, M., Štěpánková, M.  
Asian Journal of Chemistry, 23 (2), pp. 863-866. (2011)
314. Effect of low pressure nitrogen-oxygen (N<sub>2</sub>/O<sub>2</sub>) plasma treatment on surface properties of polypropylene films  
Mortazavi, S.H., Ghoranneviss, M., Sari, A.H.  
Journal of Fusion Energy, 30 (1), pp. 48-52. (2011)
315. Low pressure hexamethyldisiloxane (HMDSO)/nitrogen plasma treatment on the wettability and surface free energy of biaxial-oriented polypropylene (BOPP) films  
Mortazavi, S.H., Ghoranneviss, M., Sari, A.H.  
Journal of Fusion Energy, 30 (1), pp. 83-88. (2011)
316. Corrosion resistance modification of AISI 304 stainless steel using argon ion bombardment  
Ramezani, A.H., Ghoranneviss, M., Shokouhy, A., Sari, A.H.  
Journal of Fusion Energy, 30 (1), pp. 64-67. (2011)
317. Microstructures & properties changes induced by nitrogen ion implantation on chromium films  
Payamara, J., Ghoranneviss, M.  
International Journal of ChemTech Research, 3 (1), pp. 309-313. (2011)
318. Investigation of radial propagation of electrostatic fluctuations in the IR-T1 tokamak plasma edge  
Shariatzadeh, R., Ghoranneviss, M., Emami, M., Salem, M.K.  
Physica Scripta, 83 (1), art. no. 015504, . (2011)
319. Investigation of the effective parameters in the growth of carbon nanotubes by thermal chemical vapour deposition method  
Mahmoodi, A., Ghoranneviss, M., Mojtahedzadeh, M., Haji Hosseini, S.H., Eshghabadi, M.  
Journal of Experimental Nanoscience, 6 (4), pp. 399-408. (2011)
320. Plasma effects on anti-felting properties of wool fabrics  
Shahidi, S., Rashidi, A., Ghoranneviss, M., Anvari, A., Wiener, J.  
Surface and Coatings Technology, 205 (SUPPL. 1), pp. S349-S354. (2010)
321. Effect of catalyst and buffer layer on growth of carbon nanowalls by HFCVD  
Eslami, P.A., Laheghi, S.N., Ghoranneviss, M.  
AIP Conference Proceedings, 1315, pp. 1317-1322. (2010)
322. Growth of nano crystalline diamond on silicon substrate using different etching gases by HFCVD  
Khalaj, Z., Ghoranneviss, M., Nasirilaheghi, S., Ghorannevis, Z., Hatakeyama, R.  
Chinese Journal of Chemical Physics, 23 (6), pp. 689-692. (2010)
323. Alternative laser driven fusion reactions for nuclear energy without radioactivity

Ghoranneviss, M., Malekynia, B., Azizi, N., Hora, H., Miley, G.H.  
International Conference on Nuclear Engineering, Proceedings, ICONE, 6, pp.  
621-627. (2010)

324. Is aluminium suitable buffer layer for growth of carbon nanowalls?

Eslami, P.A., Ghoranneviss, M., Laheghi, S.N.  
Nanotechnology 2010: Advanced Materials, CNTs, Particles, Films and  
Composites - Technical Proceedings of the 2010 NSTI Nanotechnology Conference  
and Expo, NSTI-Nanotech 2010, 1, pp. 238-241. (2010)

325. A modified flux loop for the determination of plasma position in IR-T1 Tokamak

Salar Elahi, A., Ghoranneviss, M.  
IEEE Transactions on Plasma Science, 38 (11 PART 2), art. no. 5565486, pp.  
3163-3167. (2010)

326. Effect of electron irradiation on dye and printability of polypropylene (PP) fabrics: A novel method for decoration of PP fabrics

Payamara, J., Shahidi, S., Ghoranneviss, M., Wiener, J., Anvari, A.  
Journal of the Textile Institute, 101 (11), pp. 988-995. (2010)

327. Argon/hexamethyldisiloxane plasma effects on polypropylene film surface properties

Mortazavi, S.H., Ghoranneviss, M., Sari, A.H.  
Journal of Fusion Energy, 29 (5), pp. 499-502. (2010)

328. Biasing effect on modifying of the tokamak plasma horizontal displacement

Salar Elahi, A., Ghoranneviss, M., Tajdidzadeh, M., Mohammadi, S., Arvin, R.  
Journal of Fusion Energy, 29 (5), pp. 461-465. (2010)

329. Ion beam emission in a low energy plasma focus device

Namini, S.E., Zakeri Khatir, H., Ghoranneviss, M., Aghamir, M.F., Behbahani,  
R.A., Kashani, M.  
Journal of Fusion Energy, 29 (5), pp. 471-475. (2010)

330. Plasma sheath criterion in thermal electronegative plasmas

Ghomi, H., Khoramabadi, M., Shukla, P.K., Ghoranneviss, M.  
Journal of Applied Physics, 108 (6), art. no. 063302, . (2010)

331. Measurement of the plasma boundary shift and approximation of the magnetic surfaces on the IR-T1 tokamak

Salar Elahi, A., Ghoranneviss, M.  
Brazilian Journal of Physics, 40 (3), pp. 323-326. (2010)

332. The first results of electrode biasing experiments in the IR-T1 tokamak

Ghoranneviss, M., Elahi, A.S., Mohammadi, S., Arvin, R.  
Physica Scripta, 82 (3), art. no. 035502, . (2010)

333. Optical properties of amorphous AlN thin films on glass and silicon substrates grown by single ion beam sputtering

Hajakbari, F., Larijani, M.M., Ghoranneviss, M., Aslaninejad, M., Hojabri, A.  
Japanese Journal of Applied Physics, 49 (9 PART 1), art. no. 095802, . (2010)

334. Study of plasma sheath dynamics by using two magnetic probes in a low energy plasma focus device

Behbahani, R.A., Mahabadi, T.D., Ghoranneviss, M., Aghamir, M.F., Namini,  
S.E., Ghorbani, A., Najafi, M.  
Plasma Physics and Controlled Fusion, 52 (9), art. no. 095004, . (2010)

335. Experimental determination of plasma position based on two analytical methods in the IR-T1 tokamak  
Elahi, A.S., Ghoranneviss, M.  
*Physica Scripta*, 82 (2), art. no. 025502, . (2010)
336. Ion temperature effect on weakly collisional DC plasma sheath  
Khoramabadi, M., Ghomi, H., Ghorannevis, M.  
*Journal of Fusion Energy*, 29 (4), pp. 365-370. (2010)
337. Erratum to: Biasing Effect on Modifying of the Tokamak Plasma Horizontal Displacement  
Salar Elahi, A., Ghoranneviss, M., Tajdidzadeh, M., Mohammadi, S., Arvin, R.  
*Journal of Fusion Energy*, p. 1. Article in Press. (2010)
338. First principles study of half metallic properties of VSb surface and VSb/GaSb (001) interface  
Boochani, A., Abolhasani, M.R., Ghoranneviss, M., Elahi, M.  
*Communications in Theoretical Physics*, 54 (1), pp. 148-158. (2010)
339. Comparative measurements of the asymmetry factor in tokamaks using the magnetic probes, poloidal and toroidal flux loops  
Elahi, A.S., Ghoranneviss, M.  
*Journal of Fusion Energy*, 29 (3), pp. 279-284. (2010)
340. A simplified technique for determination of plasma displacement in the IR-T1 tokamak  
Salar Elahi, A., Ghoranneviss, M.  
*Journal of Fusion Energy*, 29 (3), pp. 251-255. (2010)
341. Differences between the toroidal and poloidal flux loops in the measurement of plasma position in tokamaks  
Elahi, A.S., Ghoranneviss, M.  
*Journal of Fusion Energy*, 29 (3), pp. 209-214. (2010)
342. Measurements of the plasma current density and q-profiles in IR-T1 tokamak  
Ghoranneviss, M., Elahi, A.S., Fard, A.A.T., Tajdidzadeh, M.  
*Journal of Fusion Energy*, 29 (3), pp. 232-236. (2010)
343. Recent results of edge plasma parameters measurements in IR-T1 tokamak by probe  
Shariatzadeh, R., Emami, M., Ghoranneviss, M., Fard, A.A.T.  
*Journal of Fusion Energy*, 29 (3), pp. 271-274. (2010)
344. Investigation of metal absorption and antibacterial activity on cotton fabric modified by low temperature plasma  
Shahidi, S., Rashidi, A., Ghoranneviss, M., Anvari, A., Rahimi, M.K.,  
Moghaddam, M.B., Wiener, J.  
*Cellulose*, 17 (3), pp. 627-634. (2010)
345. Radial electric field and its influence on poloidal magnetic field oscillations in the IR-T1 tokamak  
Bolourian, H., Khorshid, P., Ghoranneviss, M., Mohammadi, S., Arvin, R.,  
Gheydi, M.  
*Journal of Fusion Energy*, 29 (3), pp. 215-217. (2010)
346. Time evolution of the energy confinement time, internal inductance and effective edge safety factor on IR-T1 tokamak  
Salar Elahi, A., Ghoranneviss, M.  
*Physica Scripta*, 81 (5), art. no. 055501, . (2010)
347. A novel technique for the measurement of plasma displacement in IR-T1 tokamak  
Salar Elahi, A., Ghoranneviss, M.

- Fusion Engineering and Design, 85 (5), pp. 724-727. (2010)
348. Surface modification of poly vinyl chloride (PVC) using low pressure argon and oxygen plasma  
Ghoranneviss, M., Shahidi, S., Wiener, J.  
Plasma Science and Technology, 12 (2), pp. 204-207. (2010)
349. Dependence of surface nano-structural modifications of Ti implanted by N<sup>+</sup> ions on temperature  
Firouzi-Arani, M., Savaloni, H., Ghoranneviss, M.  
Applied Surface Science, 256 (14), pp. 4502-4511. (2010)
350. Plasma column displacement measurements by modified Rogowski sine-coil and Biot-Savart/magnetic flux equation solution on IR-T1 tokamak  
Razavi, M., Mollai, M., Khorshid, P., Nedzelskiy, I., Ghoranneviss, M.  
Review of Scientific Instruments, 81 (5), art. no. 053504, . (2010)
351. Study of carbon concentration on the nanostructural and corrosion properties of Zr(C, N)/ss304 films  
Larijani, M.M., Alijannejad, M., Yari, M., Zanzanbar, M.B., Ghorannevis, M.  
EPJ Applied Physics, 50 (2), art. no. 20501, . (2010)
352. Calculation of plasma horizontal displacement by using a simulated plasma column in the IR-T1 tokamak  
Rahimi Rad, A., Ghoranneviss, M.  
Physica Scripta, 81 (4), art. no. 045502, . (2010)
353. Fusion energy without radioactivity: Laser ignition of solid hydrogen-boron (11) fuel  
Hora, H., Miley, G.H., Ghoranneviss, M., Malekynia, B., Azizi, N., He, X.-T.  
Energy and Environmental Science, 3 (4), pp. 479-486. (2010)
354. Collective stopping power in laser driven fusion plasmas for block ignition  
Malekynia, B., Hora, H., Azizi, N., Kouhi, M., Ghoranneviss, M., Miley, G.H., He, X.T.  
Laser and Particle Beams, 28 (1), pp. 3-9. (2010)
355. Effects of alfvénic poloidal flow and external vertical field on plasma position in IR-T1 tokamak  
Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 83-87. (2010)
356. Relations between the plasma diamagnetic effect and plasma basic parameters in IR-T1 tokamak  
Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 88-93. (2010)
357. Study of effects of the effective edge safety factor on the energy confinement time in IR-T1 tokamak  
Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 32-35. (2010)
358. Investigation of effects of toroidal field ripple on plasma poloidal beta in Ir-T1 tokamak  
Elahi, A.S., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 22-25. (2010)
359. Experimental study of effects of the internal inductance on the energy confinement time in IR-T1 tokamak  
Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 36-40. (2010)
360. Determination of plasma position using poloidal flux loops and comparison with magnetic probe measurement in IR-T1 tokamak

Salar Elahi, A., Ghoranneviss, M.  
IEEE Transactions on Plasma Science, 38 (2), art. no. 5382576, pp. 181-185.  
(2010)

**361. TF ripple effects on plasma energy confinement time in IR-T1 tokamak**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 29-31. (2010)

**362. Plasma horizontal displacement measurement using flux loops in IR-T1 tokamak**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 62-64. (2010)

**363. Measurement of the Shafranov parameter in presence of the toroidal field ripple in IR-T1 tokamak**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 26-28. (2010)

**364. Plasma magnetic fluctuations measurement on the outer surface of IR-T1 tokamak**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 1-4. (2010)

**365. Determination of the plasma internal inductance and evaluation of its effects on plasma horizontal displacement in IR-T1 tokamak**

Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 29 (1), pp. 76-82. (2010)

**366. Evaluation of electron energy distribution function in the IR-T1 tokamak edge plasma**

Shariatzadeh, R., Ghoranneviss, M., Emami, M.  
Journal of Fusion Energy, 29 (1), pp. 19-21. (2010)

**367. Analytical and experimental approaches in plasma displacement measurement in IR-T1 tokamak**

Emami, M., Ghoranneviss, M., Elahi, A.S., Rad, A.R.  
Journal of Plasma Physics, 76 (1), pp. 67-74. (2010)

**368. Electron temperature measurement in IR-T1 tokamak by ECE diagnostic**

Ghoranneviss, M., Shariatzadeh, R., Khorshid, P.  
Journal of Fusion Energy, 29 (1), pp. 70-72. (2010)

**369. Demonstration of Shafranov shift by the simplest grad-Shafranov equation solution in IR-T1 tokamak**

Rahimirad, A., Emami, M., Ghoranneviss, M., Salar Elahi, A.  
Journal of Fusion Energy, 29 (1), pp. 73-75. (2010)

**370. The effect of nitrogen plasma on copper thin film deposited by DC magnetron sputtering**

Hojabari, A., Haghghian, N., Yasserian, K., Ghoranneviss, M.  
IOP Conference Series: Materials Science and Engineering, 12 (1), art. no. 012004, . (2010)

**371. CVD growth of carbon nanotubes and nanofibers: Big length and constant diameter**

Hanifeh Toubestani, D., Ghoranneviss, M., Mahmoodi, A., Rahbar Zareh, M.  
Macromolecular Symposia, 287 (1), pp. 143-147. (2010)

**372. Design, construction, and installation of movable electrode biasing system on tokamak**

Ghoranneviss, M., Salar Elahi, A., Tajdidzadeh, M., Mohammadi, S., Arvin, R., Gheydi, M., Abbaspour Tehrani Fard, A.  
Journal of Fusion Energy, 29 (5), pp. 467-470. (2010)

- 373. Alteration of optical and morphological properties of polycarbonate illuminated by visible/IR laser beams**  
Ehsani, H., Saghafi, S., Ghoranneviss, M., Hantezadeh, M., Hosseini, H., Dodt, H.-U.  
*Journal of the European Optical Society*, 5, art. no. 10032s, . (2010)
- 374. Comparison between flux loops and magnetic probes in determination of the Shafranov parameter in an IR-T1 tokamak**  
Salar Elahi, A., Ghoranneviss, M.  
*Physica Scripta*, 80 (5), art. no. 055502, . (2009)
- 375. Effects of resonant helical field (RHF) on equilibrium properties of IR-T1 tokamak plasma**  
Salar Elahi, A., Ghoranneviss, M.  
*Journal of Fusion Energy*, 28 (4), pp. 416-419. (2009)
- 376. Antibacterial activity on polyamide and natural fabrics using low temperature plasma**  
Shahidi, S., Rashidi, A., Wiener, J., Ghoranneviss, M.  
*Technical Proceedings of the 2009 NSTI Nanotechnology Conference and Expo, NSTI-Nanotech 2009*, 3, pp. 210-214. (2009)
- 377. Nonlinear responses and optical limiting behavior of Basic Violet 16 dye under CW laser illumination**  
Rashidian, M., Dorrnian, D., Ahmadi Darani, S., Saghafi, S., Ghoranneviss, M.  
*Optik*, 120 (18), pp. 1000-1006. (2009)
- 378. Two experimental methods for the measurement of plasma displacement in an IR-T1 tokamak**  
Salar Elahi, A., Ghoranneviss, M.  
*Physica Scripta*, 80 (4), art. no. 045501, . (2009)
- 379. Characterization and fabrication of ZnO nanowires grown on AlN thin film**  
Yousefi, R., Kamaluddin, B., Ghoranneviss, M., Hajakbari, F.  
*AIP Conference Proceedings*, 1150, pp. 371-375. (2009)
- 380. Half-metallicity characteristic at zincblende CrSb(0 0 1) surfaces and its interfaces with GaSb(0 0 1) and InAs(0 0 1)**  
Ahmadian, F., Abolhassani, M.R., Ghoranneviss, M., Elahi, M.  
*Physica B: Condensed Matter*, 404 (20), pp. 3684-3693. (2009)
- 381. Laser-optical path to nuclear energy without radioactivity: Fusion of hydrogen-boron by nonlinear force driven plasma blocks**  
Hora, H., Miley, G.H., Ghoranneviss, M., Malekynia, B., Azizi, N.  
*Optics Communications*, 282 (20), pp. 4124-4126. (2009)
- 382. Design and fabrication of a movable langmuir probe for plasma edge parameters measurement in the IR-T1 tokamak**  
Shariatzadeh, R., Ghoranneviss, M., Emami, M., Anvari, A., Van Oost, G.  
*Journal of Fusion Energy*, 28 (3), pp. 296-299. (2009)
- 383. Nonlinear force driven plasma blocks igniting solid density hydrogen boron: Laser fusion energy without radioactivity**  
Hora, H., Miley, G.H., Azizi, N., Malekynia, B., Ghoranneviss, M., He, X.T.  
*Laser and Particle Beams*, 27 (3), pp. 491-496. (2009)
- 384. Comparison between discrete magnetic coils and multipole coils for measurement of plasma displacement in IR-T1 tokamak**  
Rahimirad, A., Emami, M., Ghoranneviss, M., Salar Elahi, A.



- Journal of Fusion Energy, 28 (4), pp. 420-426. (2009)
- 385. Effects of resonant helical field on plasma internal inductance in IR-T1 tokamak**  
Elahi, A.S., Ghoranneviss, M.  
Journal of Fusion Energy, 28 (4), pp. 408-411. (2009)
- 386. Reduction of threshold for laser fusion ignition by nonlinear force driven block acceleration**  
Miley, G.H., Hora, H., Malekynia, B., Ghoranneviss, M.  
Fusion Science and Technology, 56 (1), pp. 384-390. (2009)
- 387. Crystal structure of 3-chlorobenzo[b]thiophene-2-carbonyl chloride**  
Tarighi, S., Abbasi, A., Zamanian, S., Badiei, A., Ghoranneviss, M.  
Journal of Chemical Research, (7), pp. 437-439. (2009)
- 388. Measurement of plasma energy confinement time in presence of resonant helical field in IR-T1 tokamak**  
Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 28 (4), pp. 394-397. (2009)
- 389. RHF effect on Shafranov parameter and Shafranov shift in IR-T1 tokamak**  
Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 28 (4), pp. 412-415. (2009)
- 390. Measurement of plasma poloidal beta in presence of resonant helical field in IR-T1 tokamak**  
Salar Elahi, A., Ghoranneviss, M.  
Journal of Fusion Energy, 28 (4), pp. 404-407. (2009)
- 391. Two semi-empirical methods for determination of shafranov shift in IR-T1 tokamak**  
Elahi, A.S., Ghoranneviss, M., Rad, A.R.  
Journal of Fusion Energy, 28 (4), pp. 390-393. (2009)
- 392. Direct growth of carbon nanotubes on Ar ion bombarded AISI 304 stainless steel substrates**  
Sabeti Nejad, N., Larijani, M.M., Ghoranneviss, M., Balashabadi, P., Shokouhy, A.  
Surface and Coatings Technology, 203 (17-18), pp. 2510-2513. (2009)
- 393. Nitrogen effect on corrosion resistance of ion beam sputtered nanocrystalline zirconium nitride films**  
Larijani, M.M., Elmi, M., Yari, M., Ghoranneviss, M., Balashabadi, P., Shokouhy, A.  
Surface and Coatings Technology, 203 (17-18), pp. 2591-2594. (2009)
- 394. Comparative measurements of plasma position using multipole moments method and analytical solution of grad-shafranov equation in IR-T1 tokamak**  
Salar Elahi, A., Ghoranneviss, M., Emami, M.  
Journal of Fusion Energy, 28 (4), pp. 385-389. (2009)
- 395. Collective alpha particle stopping for reduction of the threshold for laser fusion using nonlinear force driven plasma blocks**  
Malekynia, B., Ghoranneviss, M., Hora, H., Miley, G.H.  
Laser and Particle Beams, 27 (2), pp. 233-241. (2009)
- 396. Threshold for laser driven block ignition for fusion energy from hydrogen boron-11**  
Azizi, N., Hora, H., Miley, G.H., Malekynia, B., Ghoranneviss, M., He, X.  
Laser and Particle Beams, 27 (2), pp. 201-206. (2009)
- 397. Auger and photoluminescence analysis of ZnO nanowires grown on AlN thin film**  
Yousefi, R., Kamaluddin, B., Ghoranneviss, M., Hajakbari, F.

Applied Surface Science, 255 (15), pp. 6985-6988. (2009)

**398.Theoretical and experimental approach in poloidal beta and internal inductance measurement on IR-T1 tokamak**

Salar Elahi, A., Ghoranneviss, M., Emami, M., Rahimi Rad, A.  
Journal of Fusion Energy, 28 (4), pp. 346-349. (2009)

**399.Structure of presheath-sheath in magnetized electronegative plasma**

Yasserian, K., Aslaninejad, M., Ghoranneviss, M.  
Physics of Plasmas, 16 (2), art. no. 023504, . (2009)

**400.Langmuir probe measurements in a cylindrical magnetron discharge in the presence of Ar/O2**

Yasserian, K., Ghoranneviss, M., Aslaninejad, M.  
Japanese Journal of Applied Physics, 48 (3), p. 036001. (2009)

**401.Thermal transport effect in tokamaks and block ignition for laser fusion**

Malekynia, B., Ghoranneviss, M., Hora, H., Miley, G.H.  
Journal of Fusion Energy, 28 (1), pp. 135-138. (2009)

**402.Effects of different substrate materials on synthesis of Cu nanoparticles**

Ghoranneviss, M., Yaghobian, F., Farbod, M., Eshghabadi, M.  
Current Applied Physics, 9 (1 SUPPL.), pp. S124-S127. (2009)

**403.Formation of SiC using low energy CO2 ion implantation in silicon**

Sari, A.H., Ghorbani, S., Dorrnian, D., Azadfar, P., Hojabri, A.R.,  
Ghoranneviss, M.  
Applied Surface Science, 255 (5 PART 1), pp. 2180-2184. (2008)

**404.Design and preliminary results of a feedback circuit for plasma displacement control in IRaT1 Tokamak**

Talebitaher, A., Ghoranneviss, M., Tarkeshian, R., Khorshid, P., Salem, M.K.  
AIP Conference Proceedings, 996, pp. 286-290. (2008)

**405.Designing a SineaCoil for measurement of plasma displacements in IRaT1 Tokamak**

Khorshid, P., Razavi, M., Ghoranneviss, M., Molaii, M., Talebitaher, A.,  
Arvin, R., Mohammadi, S., Nikmohammadi, A.  
AIP Conference Proceedings, 996, pp. 224-229. (2008)

**406.Study of plasma interaction with titanium coated ferritic steel in IRaT1 Tokamak**

Ghoranneviss, M., Khorshid, P., Saboohi, S., Talebitaher, A., Arvin, R.,  
Mohammadi, S., Nikmohamadi, A., Milani, M., Salem, M.K., Sari, A.H., Yousefi,  
M.R., Shokouhi, A.  
AIP Conference Proceedings, 996, pp. 172-176. (2008)

**407.Twenty times lower ignition threshold for laser driven fusion using collective effects and the inhibition factor**

Hora, H., Malekynia, B., Ghoranneviss, M., Miley, G.H., He, X.  
Applied Physics Letters, 93 (1), art. no. 011101, . (2008)

**408.1-Benzyl-2-(4-chloro-phen-yl)-4,5-di-phenyl-1H-imidazole**

Ghoranneviss, M., Mohammadi Ziarani, G., Abbasi, A., Hantehzadeh, M.R.,  
Farahani, Z.  
Acta Crystallographica Section E: Structure Reports Online, 64 (7), pp.  
o1233. (2008)

**409.Sheath formation in a collisional electronegative magnetized discharge**

Yasserian, K., Aslaninejad, M., Ghoranneviss, M., Aghamir, F.M.

Journal of Physics D: Applied Physics, 41 (10), art. no. 105215, . (2008)

**410. Comparative study of plasma position measurements using multipole moments and discrete magnetic probes methods on IR-T1 tokamak**

Emami, M., Ghoranneviss, M., Tarkeshian, R.  
Fusion Engineering and Design, 83 (4), pp. 684-688. (2008)

**411. Structural and optical properties of silicon nitride film generated on Si substrate by low energy ion implantation**

Dorranean, D., Azadfar, P., Sari, A.H., Ghorbani, S., Hojabri, A.,  
Ghoranneviss, M.  
EPJ Applied Physics, 42 (2), pp. 103-107. (2008)

**412. Different methods for measuring plasma displacement in Tokamaks, construction & compensation of continuous coils in IR-T1 Tokamak**

Tarkeshian, R., Ghoranneviss, M., Salem, K., Talebi Taher, A., Khorshid, P.,  
Atyabi, S.M.  
AIP Conference Proceedings, 993, pp. 227-230. (2008)

**413. Inhibition factor reduces fast ignition threshold for laser fusion using nonlinear force driven block acceleration**

Ghoranneviss, M., Malekynia, B., Hora, H., Miley, G.H., He, X.  
Laser and Particle Beams, 26 (1), pp. 105-111. (2008)

**414. Influence of annealing temperature on the nanostructure and corrosivity of Ti/stainless steel substrates**

Khojier, K., Savaloni, H., Kangarloo, H., Ghoranneviss, M., Yari, M.  
Applied Surface Science, 254 (8), pp. 2528-2533. (2008)

**415. Evaluation of parameters affecting arc plasma chute in a typical gas interrupter**

Borghei, S.M., Ghoranneviss, M., Abolhassani, M.R., Anvari, A.  
Japanese Journal of Applied Physics, 47 (1), pp. 284-286. (2008)

**416. Investigation of antibacterial activity on cotton fabrics with cold plasma in the presence of a magnetic field**

Shahidi, S., Ghoranneviss, M., Moazzenchi, B., Rashidi, A., Mirjalili, M.  
Plasma Processes and Polymers, 4 (SUPPL.1), pp. S1098-S1103. (2007)

**417. Simulating and examination of the separation nozzle stage performance with rotating wall**

Barough, M.S., Rahgoshay, M., Abaspour, A., Hogabri, A., Ghorannevis, M.  
AIP Conference Proceedings, 899, p. 646. (2007)

**418. Effect of annealing temperature on properties of Al-Cu-N thin films deposited by DC magnetron sputtering**

Shariati, M., Ghoranneviss, M., Hosseini, H., Hantehzadeh, M.R.  
Surface and Coatings Technology, 201 (9-11 SPEC. ISS.), pp. 5570-5573. (2007)

**419. Aluminum coatings on cotton fabrics with low temperature plasma of argon and oxygen**

Shahidi, S., Ghoranneviss, M., Moazzenchi, B., Anvari, A., Rashidi, A.  
Surface and Coatings Technology, 201 (9-11 SPEC. ISS.), pp. 5646-5650. (2007)

**420. Comparison between decolorization of denim fabrics with Oxygen and Argon glow discharge**

Ghoranneviss, M., Shahidi, S., Moazzenchi, B., Anvari, A., Rashidi, A.,  
Hosseini, H.  
Surface and Coatings Technology, 201 (9-11 SPEC. ISS.), pp. 4926-4930. (2007)

**421. Effect of using cold plasma on dyeing properties of polypropylene fabrics**

- Shahidi, S., Ghoranneviss, M., Moazzenchi, B., Rashidi, A., Dorrnian, D.  
*Fibers and Polymers*, 8 (1), pp. 123-129. (2007)
422. Corrosion behavior of low energy, high temperature nitrogen ion-implanted AISI 304 stainless steel  
Ghoranneviss, M., Shokouhy, A., Larijani, M.M., Haji Hosseini, S.H., Yari, M., Anvari, A., Gholipur Shahraki, M., Sari, A.H., Hantehzadeh, M.R.  
*Pramana - Journal of Physics*, 68 (1), pp. 135-140. (2007)
423. Temperature and N<sup>+</sup> energy dependence on nano-structural modifications and characteristics of Mo surface  
Savaloni, H., Motmaen-Dadgar, M., Ghoranneviss, M., Hantehzadeh, M.R.  
*Applied Surface Science*, 253 (5), pp. 2915-2923. (2006)
424. The influence of resonance helical field on the Z<sub>eff</sub> and impurity radiation in IR-T1 tokamak  
Mahmoodi Darian, M., Hojabri, A., Salem, M.K., Ghoranneviss, M.  
*Journal of Fusion Energy*, 25 (3-4), pp. 241-244. (2006)
425. Study of runaway electrons in the Iran Tokamak 1 (IR-T1)  
Hajakbari, F., Hojabri, A., Ghoranneviss, M.  
33rd EPS Conference on Plasma Physics 2006, EPS 2006, 3, pp. 2404-2406. (2006)
426. Comparison of piezoelectric and carbon nanotube-based actuators  
Golnabi, H., Ghorannevis, M., Golnabi, M.  
*Materials Research Society Symposium Proceedings*, 922, pp. 48-54. (2006)
427. Study of resonance helical field on the Z<sub>eff</sub> and impurity radiation in IR-T1 tokamak  
Hojabri, A., Hajakbari, F., Mahmoodi Darian, M., Salem, M.K., Ghoranneviss, M.  
33rd EPS Conference on Plasma Physics 2006, EPS 2006, 3, pp. 2411-2413. (2006)
428. Recent results of IRAN-T1 tokamak  
Dorrnian, D., Ghoranneviss, M., Salem, M.K., Mahmoodi D., M., Arvin, R., Talebitaher, A., Abhari, A., Khorshid, P., Hojabri, A.  
*AIP Conference Proceedings*, 875, pp. 111-114. (2006)
429. MHD instabilities and toroidal field effects on plasma column behavior in tokamak  
Khorshid, P., Wang, L., Ghoranneviss, M., Arvin, R., Dorrnian, D., Talebitaher, A., Salem, M.K., Abhari, A.  
*AIP Conference Proceedings*, 875, pp. 135-138. (2006)
430. Microstructural and corrosivity changes induced by nitrogen ion implantation on chromium films  
Shokouhy, A., Larijani, M.M., Ghoranneviss, M., Hosseini G, S.H.H., Yari, M., Sari, A.H., Shahraki, M.G.  
*Thin Solid Films*, 515 (2 SPEC. ISS.), pp. 571-575. (2006)
431. Antireflection coating on InP for semiconductor detectors  
Hantehzadeh, M.R., Ghoranneviss, M., Sari, A.H., Sahlani, F., Shokuhi, A., Shariati, M.  
*Thin Solid Films*, 515 (2 SPEC. ISS.), pp. 547-550. (2006)
432. Decolorization of denim fabrics with cold plasmas in the presence of magnetic fields  
Ghoranneviss, M., Moazzenchi, B., Shahidi, S., Anvari, A., Rashidi, A.  
*Plasma Processes and Polymers*, 3 (3), pp. 316-321. (2006)
433. Subthreshold defect generation by intense electron beams in semiconductors for microelectronics

Ghoranneviss, M., Sari, A.H., Hantehzadeh, M.H., Hora, H., Osman, F., Doolan, K.R., Höpfl, R., Benstetter, G.  
Proceedings of SPIE - The International Society for Optical Engineering, 6035, art. no. 60351C, . (2006)

**434. Computation of temperature distribution in infiltration of metal in opal using a graphite furnace heating assembly**

Golnabi, H., Ghorannevis, M., Chaboki, N.  
Materials Research Society Symposium Proceedings, 878, pp. 57-62. (2005)

**435. Effect of rotating magnetic helical field on the impurity radiation and the magnetic island in Iran tokamak 1(IR-T1)**

Hojabri, A., Ghoranneviss, M., Hajakbari, F., Salem, K., Khorshid, P.  
32nd EPS Conference on Plasma Physics 2005, EPS 2005, Held with the 8th International Workshop on Fast Ignition of Fusion Targets - Europhysics Conference Abstracts, 3, pp. 1594-1597. (2005)

**436. Study of poloidal rotation velocity in the tokamak plasmas**

Khorshid, P., Wang, L., Ghoranneviss, M., Yang, X.Z., Feng, C.H.  
32nd EPS Conference on Plasma Physics 2005, EPS 2005, Held with the 8th International Workshop on Fast Ignition of Fusion Targets - Europhysics Conference Abstracts, 3, pp. 1590-1593. (2005)

**437. The influence of resonance helical field on the Zeff in IR-T1 tokamak**

Salem, M.K., Darian, M.M., Ghoranneviss, M., Khorshid, P., Hojabri, A., Arvin, R., Talebitaher, A.  
32nd EPS Conference on Plasma Physics 2005, EPS 2005, Held with the 8th International Workshop on Fast Ignition of Fusion Targets - Europhysics Conference Abstracts, 1, pp. 409-412. (2005)

**438. Investigation of tokamak plasmas as non-rigid body plasma**

Ghoranneviss, M., Khorshid, P., Wang, L., Sari, A.H., Salem, M.K., Hojabri, A.  
32nd EPS Conference on Plasma Physics 2005, EPS 2005, Held with the 8th International Workshop on Fast Ignition of Fusion Targets - Europhysics Conference Abstracts, 3, pp. 1598-1601. (2005)

**439. Electromagnetic radiation from magnetized wake of laser irradiated gas jet**

Dorrnanian, D., Ghoranneviss, M., Sari, A.H., Starodubtsev, M., Yugami, N., Nishida, Y.  
32nd EPS Conference on Plasma Physics 2005, EPS 2005, Held with the 8th International Workshop on Fast Ignition of Fusion Targets - Europhysics Conference Abstracts, 2, pp. 1334-1337. (2005)

**440. Microwave emission from TW-100 fs laser irradiation of gas jet**

Dorrantan, D., Ghoranneviss, M., Starodubtsev, M., Yugami, N., Nishida, Y.  
Laser and Particle Beams, 23 (4), pp. 583-596. (2005)

**441. Application of laser driven fast high density plasma blocks for ion implantation**

Sari, A.H., Osman, F., Doolan, K.R., Ghoranneviss, M., Hora, H., Höpfl, R., Benstetter, G., Hantehzadeh, M.H.  
Laser and Particle Beams, 23 (4), pp. 467-473. (2005)

**442. Studies of a few monolayers of Cu / Brass on glass surfaces using AFM and TEM**

Bahadori, F., Ghoranneviss, M., Mahmoudzadeh, M.  
IEEE International Conference on Plasma Science, art. no. 4P54, p. 303. (2004)

443. Study of optimize deposition of thin film in D.C magnetron sputtering and measuring the surface conductivity by four point probe and hall effect  
Mahmoudzadeh, M., Bahadori, F., Ghoranneviss, M.  
IEEE International Conference on Plasma Science, art. no. 4P53, p. 302.  
(2004)
444. Measurement of density and conductivity in DC plasma by RF probe in different conditions  
Bahadori, F., Ghoranneviss, M., Mahmoudzadeh, M.  
IEEE International Conference on Plasma Science, art. no. 6P39, p. 398.  
(2004)
445. Investigation of propagation and coupling of electromagnetic waves in a two-dimensional inhomogeneous plasma  
Salem, M.K., Aghamir, F.M., Sabzevari, B.Sh., Ghoranneviss, M.  
Journal of the Physical Society of Japan, 73 (11), pp. 3044-3050. (2004)
446. Comparison of experimental and theoretical results of nitrogen implantation in AISI 304 stainless steel  
Haji Hosseini Gazestani, S.H., Gholipour Shahraki, M., Hantehzadeh, M.R., Ghoranneviss, M., Shokouhy, A.  
Applied Surface Science, 237 (1-4), pp. 332-335. (2004)
447. Nitrogen implantation and heat treatment effect on the hardness improvement of the chromium film surface deposited on Si(1 1 1) substrate  
Ghoranneviss, M., Sari, A.H., Esmaelpour, M., Hantehzadeh, M.R., Savaloni, H.  
Applied Surface Science, 237 (1-4), pp. 326-331. (2004)
448. The effect of electron bombardment on optical properties of n-type silicon  
Sari, A.H., Osman, F., Ghoranneviss, M., Hora, H., Höpfl, R., Hantehzadeh, M.R.  
Applied Surface Science, 237 (1-4), pp. 161-164. (2004)
449. Generation of short pulse radiation from magnetized wake in gas-jet plasma and laser interaction  
Dorranian, D., Ghoranneviss, M., Starodubtsev, M., Ito, H., Yugami, N., Nishida, Y.  
Physics Letters, Section A: General, Atomic and Solid State Physics, 331 (1-2), pp. 77-83. (2004)
450. Effect of low-temperature plasma treatment on surface modification of cotton and polyester fabrics  
Rashidi, A., Moussavipourgharbi, H., Mirjalili, M., Ghoranneviss, M.  
Indian Journal of Fibre and Textile Research, 29 (1), pp. 74-78. (2004)
451. Calculation of  $Z_{eff}$  from plasma resistivity in IR-T1 tokamak  
Darian, M.M., Ghoranneviss, M., Salem, M.K., Arvin, R.  
Czechoslovak Journal of Physics, 54 (SUPPL. 3), pp. C65-C67. (2004)
452. Investigation of glow discharge plasma for surface modification of polypropylene  
Yousefi, H.R., Ghoranneviss, M., Tehrani, A.R., Khamseh, S.  
Surface and Interface Analysis, 35 (12), pp. 1015-1017. (2003)
453. MHD activity at low  $q(a)$  in Iran Tokamak 1 (IR-T1)  
Ghoranneviss, M., Hogabri, A., Kuhn, S.  
Nuclear Fusion, 43 (3), pp. 210-215. (2003)
454. Mode locking in Iran-Tokamak1 (IR-T1)

Hojabari, A., Ghoranneviss, M., Anvari, A.  
*Scientia Iranica*, 9 (2), pp. 153-156. (2002)

455. Magnetohydrodynamic activity during limiter biasing on the CT-6B tokamak  
Khorshid, P., Wang, L., Yang, X.-Z., Feng, C.-H., Zhang, P.-Y., Qi, X.-Z.,  
Rouhani, S., Rahimitabar, M.R., Aghamir, M.F., Ghoranneviss, M., Hantezadeh,  
M.R.  
*Chinese Physics Letters*, 18 (3), pp. 393-395. (2001)

456. Design and modification FIR HCN Laser  
Ghoranneviss, M., Kashani, M.A.M., Hogabri, A., Kohiyan, A., Anvari, A.  
*Proceedings of SPIE - The International Society for Optical Engineering*,  
3465, pp. 85-87. (1998)

457. MHD activity in torus system and helical field  
Ghoranneviss, M., Masnavi, M., Khorshid, P., Ghorbi, F., Salem, M.K.  
*IEEE International Conference on Plasma Science*, pp. 285-286. (1998)

458. Design and fabrication of DC ion beam for heating of plasma  
Ghoranneviss, M., Moradshahi, M., Hosseinion, M., Golnabi, H., Khorshid, P.  
*Materials and Manufacturing Processes*, 12 (1), pp. 29-35. (1997)

459. Mirnov oscillation analysis in IR-T1 tokamak  
Ghoranneviss, M., Khademian, A.  
*IEEE International Conference on Plasma Science*, p. 203. (1996)

460. Impurity transport model in IR-T1 Tokamak  
Ghoranneviss, M., Salami, M.R., Masnavi, M., Zamani, M.  
*IEEE International Conference on Plasma Science*, p. 276. (1996)

461. Internal disruptions and RHF in IR-T1 Tokamak  
Ghoranneviss, M., Masnavi, M., Khademian, A.  
*IEEE International Conference on Plasma Science*, p. 118. (1996)

462. X-ray tomography on IR-T1 Tokamak  
Ghoranneviss, M., Masnavi, M., Khademian, A., Tafreshi, A.R.K.  
*IEEE International Conference on Plasma Science*, p. 116. (1996)

463. Measurement of edge plasma parameters in IR-T1 TOKAKAK by double Langmuir probe  
Ghoranneviss, M., Khademian, A., Masnavi, M., Khorshid, P., Salami, M.R.  
*IEEE International Conference on Plasma Science*, p. 277. (1996)

464. Study of preparing diamond films in presence of magnetic field by the DC plasma  
Ghoranneviss, M., Masnavi, M., Khademian, A., Khorshid, P., Zamani Mehr, M.,  
Mirzael, J.  
*IEEE International Conference on Plasma Science*, p. 174. (1996)

465. Interferometry measurement of line average electron density in ALVAND IIC tokamak  
Ghorannevis, M., Avakian, M.  
*Proceedings of SPIE - The International Society for Optical Engineering*,  
1929, pp. 378-379. (1992)

466. Standing ion waves produced by ion sources in the presence of magnetic field  
Ghoranneviss, M., Moradshahi, M., Shirazpour, A.  
p. 138. (1988)