Mansoor Farbod

Professor of Physics

Physics department, Shahid-Chamran university of Ahvaz, Ahvaz, I.R. Iran

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Email: Farbod_m@scu.ac.ir

Gender: Male

D.O.B: 22/9/1958

Marital status: Married

Nationality: Iranian

Language: Persian, English

Career opportunities:

2012 -present Head of physics department, Shahid-Chamran University of Ahvaz, Ahvaz, I.R. Iran

2009-2011 Head of Faculty of science, Shahid-Chamran University of Ahvaz, Ahvaz, I.R. Iran

2004-2007 Head of entrepreneurship center of Shahid-Chamran University of Ahvaz, Ahvaz, I.R. Iran

2001-2004 Head of education office of science faculty, Shahid-Chamran University of Ahvaz, Ahvaz, I.R. Iran

Director of nanotechnology research lab

Director of high temperature superconductivity research lab

Editorial Board: Journal of research on many-body systems

Publisher: Shahid-Chamran University of Ahvaz, Ahvaz, I.R. Iran

Education:

1995-1998 Ph.D (physics-solid state-High T_c superconductivity), Bristol university, UK.

1986-1990 M.Sc (physics-solid state), Tarbiat Modares university, Tehran, Iran

1976-1984 B.Sc (physics), shahid chamran university of Ahvaz, Ahvaz, Iran

(Iranian universities were closed from 1980-1983)

1998 Assistant Professor

2008 Associated Professor

2014 Professor

Honors:

Top young researcher 1991

Top researcher in publishing research papers in 2007, 2012, 2013, 2014 in Shahid-Chamran University of Ahvaz

Teaching:

General physics, Thermodynamics, Acoustics, Quantum physics, Electronics, Solid state physics (for B.Sc, M.Sc and PhD students), Superconductivity, Mathematical physics, Physics of Semiconducting device, Vacuum technique, nanotechnology …

Research field: High temperature superconductivity, Nanotechnology

Research Interests

Transport properties of high temperature superconductivity

Thermopower of high temperature superconductivity

Interplay between superconductivity and nanotechnology

Fuel cells

Carbon nanotubes fabrication (CVD, Arc discharge,..)

Carbon nanotubes applications

Nanoparticles fabrication (sol gel, Arc discharge, solvothermal, ..)

Thin films

Graphene and layered compound and their applications

Photocatalytic properties of Nanoparticles

Hydrophobicity and Hydrophilicity

Publications

Book: Introduction to solid state physics through problem solving

Journal papers:

1 Ameneh Ahangarpour, **Mansoor Farbod**, Modeling of thermal conductivity of ethylene glycol nanofluids containing carbon nanotubes by Multilayer Perceptron neural network, Journal of modeling in engineering, 10.22075/JME.2019.16994.1675

2 Rasoul Taheri, **Mansoor Farbod**, Superb photocatalytic performance of single/few layer phosphorene prepared via sonication method, Physica E 119 (2020) 114009

3 Marzieh Khademalrasool, Mohammad Davoud Talebzadeh, **Mansoor Farbod,** ZnO /Silver Nanocubes Nanocomposites: Preparation, Characterization, and Scrutiny of Plasmon-Induced Photocatalysis Activity, Journal of Photochemistry & Photobiology A: Chemistry 396 (2020) 112561

4 **M. Farbod**, E. Fathi, M. Sabaeian, Coloring the glass with silver nanostructures and investigation of the dependence of color to the nanostructures, J. Color. Sci. Tech. (2019), JCST-30-06-2018-1814

5 Sara Tafaroji, **Mansoor Farbod**, Iraj Kazeminezhad, Mehdi Kheirmand, Effect of pre-sintering temperature and ball-milling on the conductivity of $Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-\delta}$ as a cathode for solid oxide fuel cells prepared by sol-gel thermolysis Method, Mater. Res. Express in press https://doi.org/10.1088/2053-1591/ab3265

6 **Mansoor Farbod** & Seyyedeh Saadat Shojaeenezhad, A three-dimensional Ag nanoparticle/graphene hydrogel composite and its application as an improved supercapacitor's electrode, J Solid State Electrochem 3010 (2019) 23:3009–3017

7 Sheida Namniha, Mohammad Sabaeian, **Mansoor Farbod**, Fabrication and characterization of two-layered polymer light emitting diode with a structure of ITO/PEDOT:PSS/MEH:PPV/Al, Journal of Research on Many-body Systems, 8 (2018) 199

8 **Mansoor Farbod** & Zahra Rafati, Influence of $Y_2Cu_2O_5$ nanoparticles doping on superconducting properties of $YBa_2Cu_3O_{7-\delta}$, Phase Transitions, 2019, VOL. 92, NO. 9, 773–781

9 Ahmadi, M. Zargar Shoushtari, **M. Farbod**, Photoelectrochemical application of WS_2 nanosheets prepared via a low-temperature CVD method, Journal of Materials Science: Materials in Electronics

10 Ameneh Ahangarpour, **Mansoor Farbod**, Afshin Ghanbarzadeh, Abbas Morad2, Amin MirzakhaniNafchi, Optimization of Continual Production of CNTs by CVD Method using Radial Basic Function (RBF) Neural Network and the Bees Algorithm, J Nanostruct. 8, 225-231 (2018)

11 **Mansoor Farbod**, Sanaz bigdeli, AbdolMohammad Ghalambor Dezfuli, Production of CNTs fibers by wet spinning method and investigation of their physical properties, Journal of Research on Many-body Systems, 9, 113-122 (2018).

12 Marzieh Kajbafvala, **Mansoor Farbod**, Effective size selection of MoS_2 nanosheets by a novel liquid cascade centrifugation: Influences of the flake's dimensions on electrochemical and photoelectrochemical applications, Journal of Colloid and Interface Science 527 (2018) 159–171.

13 Omid Khani, Morteza Zargar Shoushtari, Mohammad Jazirehpour, **Mansoor Farbod**, Study of hematite-iron phase transformation during iron-carbon core-shell nanoparticles synthesis and investigation of their magnetic and microwave properties**,** IJPR 2017, 17(4): 531-540

14 **Mansoor Farbod**, Hadyeh Hashemi kia, Alireza Kiasat. Growth of aligned carbon nanotubes by catalytic chemical vapor deposition and vapor phase methods, Journal of Research on Many-body Systems, 7, 57-64 (2017)

15 **Mansoor Farbod**, Mahdieh Shokrollahzadeh, Morteza Zargar Shoushtari, Effect of Y_2BaCuO_5 Nanoparticle Doping on Critical Current Density of $YBa_2Cu_3O_{7-\delta}$ Bulk Superconductor, Journal of Superconductivity and Novel Magnetism, 31 (2018) 67-73.

16 Seyed Ebrahim Mousavi Ghahfarokhi; Fatemeh Joola; **Mansoor Farbod**, Studying synthesized $Bi_{1.64}Pb_{0.36}Sr_2Ca_{2-x}Cd_xCu_3O_{10}$ superconductor properties using the sol-gel method, Journal of research on many body systems, 7, 187-197 (2017).

17 H A Badehian , H Salehi, **M Farbod**, Ab-initio investigation of structural, electronic and optical properties BSb compound in bulk and surface (110) states**,** Iranian Journal of Physics Research, Vol. 15, No. 1, 2015

18 Mohammad Sabaeian, Mohammadreza Shahzadeh, and **Mansoor Farbod**, Electric field-induced nonlinearity enhancement in strained semi-spheroid-shaped

a. quantum dots coupled to wetting layer, AIP Advances 4, 127105 (2014)

19 Hamdollah Salehi, Hojat Allah Badehian, **Mansoor Farbod**, First principle study of the physical properties of semiconducting binary antimonide compounds under hydrostatic pressures, Materials Science in Semiconductor Processing, 26 (2014) 477–490

20 Morteza Zargar Shoushtari, Amir Poormoghadam, **Mansoor Farbod,** Fabrication and study of structural, optical and magnetic properties of Zn1-xNixO nanoparticles**,** Iranian Journal of Crystallography and Mineralogy, **24, 309-316 (2016)**.

21 Omid Khani, Morteza Zargar Shoushtari, **Mansoor Farbod**, Mohammad Hossein shams, Synthesis and study of the structural and electromagnetic properties of iron-carbon core-shell nanoparticles, Journal of research on many body systems, 4, 13-20 (2015).

22 Zargar Shoushtari M, Rostami B, **Farbod M**. Fabrication and investigation of superconducting properties of $SmBa_2Cu_3O_{7-\delta}$ doped with Al_2O_3 nanoparticles. Materials & Energy. 2015; 18 (43) :1-2

23 **M. Farbod,** S. H. Hashemi, Production of barium zirconate ($BaZrO_3$) nanoparticles by sol-gel method**,** Iranian Journal of Crystallography and Mineralogy, 20, 375-384 (2012)

24 B. Khoshnevisan, **M. Farbod**, Study of Potassium content and its role in doped superconductor $YBa_{2-x}K_xCu_yO_{6+x}$ with Rietveld analysis of XRD patterns, Iranian Journal of Crystallography and Mineralogy, 17, 103-108 (2009).

25 Bahrami, A., Zargar Shoushtari, M., **Farbod, M**, The effect of silver doping on the properties of $Bi_{1.6}Pb_{0.4}Sr_2Ca_2Cu_3O_\delta$ superconductor. Iranian Journal of Crystallography and Mineralogy, 14, 65-80 (2006).

26 Seyyedeh Saadat Shojaeenezhad, **Mansoor Farbod**, Iraj Kazeminezhad,

a. Effect of initial graphite particle size and shape on oxidation time in graphene oxide
b. prepared by Hummers' method, Journal of Science: Advanced Materials and Devices, 2 (2017) 470-475.

27 **Mansoor Farbod**, Vahid Kargar dehbidi, Morteza Zargar Shoushtari, Size dependence of optical and magnetic properties of nickel oxide nanoparticles fabricated by electric arc discharge method, Ceramics International 43 (2017) 13670–13676

28 **Mansoor Farbod**, Marzieh Kajbafvala, Surface modification of TiO2nanoparticles by magnetic ions:Synthesis and application in enhancement of photocatalytic performance, Applied Catalysis B: Environmental 219 (2017) 344–352

29 **Mansoor Farbod**, Amir Zilaie, Iraj Kazeminezhad, Carbon nanotubes length optimization for preparation of improved transparent and conducting thin film substrates, Journal of Science: Advanced Materials and Devices, 2 (2017) 99-104.

30 A zilaee, **M Farbod**, The effect of annealing temperature on electrical and optical properties of transparent and conductive thin films fabricated of multi-walled carbon nanotube/Ag nanowires**,** IJPR, 16 (2017) 319-326.

31 A. Safari, Kh. Gheisarin, **M. Farbod**, Characterization of Ni ferrites powders prepared by plasma arc discharge process, Journal of Magnetism and Magnetic Materials,421 (2017) 44-51.

32 Morteza Zargar Shoushtari, Amir Poormoghadam, **Mansoor Farbod**, The size dependence of the magnetic properties of ZnO and $Zn_{1-x}Ni_xO$ nanoparticles, Materials Research Bulletin 88 (2017) 315-319.

33 Marzieh Khademalrasool, **Mansoor Farbod**, Azam Irajizad, Preparation of ZnO nanoparticles/Ag nanowires nanocomposites as plasmonic photocatalysts and investigation of the effect of concentration and diameter size of Ag nanowires on their photocatalytic performance, Journal of Alloys and Compounds, 664 (2016) 707-714.

34 **Mansoor Farbod**, Mohsen Heidari Joula, Mohammadreza Vaezi, Promoting effect of adding carbon nanotubes on sensingcharacteristics of ZnO hollow sphere-based gas sensors to detect volatile organic compounds, Materials Chemistry and Physics, 176 (2016) 12-23.

35 Amir Zilaee, **Mansoor Farbod** and Marzieh Khademalrasool, Improving the Electrical Conductivity of Multi-walled Carbon Nanotube Thin Films Using Ag-nanowires, Current Nanoscience, 12 (2016) 215-219.

36 **Mansoor Farbod**, Zahra Rafati, Color parameters of $Y_2Cu_2O_5$ green-blue nanopigments fabricated by the sol-gel combustion method and their efficiency for coloring the glazed tiles, Ceramics International 42 (2016)15732-15738.

37 Marzieh Khademalrasool, **Mansoor Farbod**, Mohammad Davoud Talebzadeh, The improvement of photocatalytic processes: Design of aphotoreactor using high-power LEDs, Journal of Science: Advanced Materials and Devices 1 (2016) 382-387.

38 M. Khademalrasool, **M. Farbod**, A Simple and High Yield Solvothermal Synthesis of Uniform Silver Nanowires with Controllable Diameters, JNS, 5 (2015) 415-422.

39 **Mansoor Farbod**, Marzieh Khademalrasool, Mohammad Davoud Talebzadeh, Plasmon-Enhanced Photocatalysis Based on Ag Plasmonic Nanospheres and ZnO Nanoparticles: Synthesis and Study Mechanisms Governing the Plasmonic Photocatalytic Performance, Plasmonics, 12 (2016) 759-769.

40 **Mansoor Farbod**, Alireza Mohammadian, Khalil Ranjbar and Razieh Kouhpeymani Asl, Effect of Sintering on the Properties of c-Brass (Cu_5Zn_8) Nanoparticles Produced by the Electric Arc Discharge Method and the Thermal Conductivity of c-Brass Oil-Based Nanofluid, Metallurgical and materials transactions A, 47A (2016) 1409-1412

41 **Mansoor Farbod**, Zahra Rafati, Morteza ZargarShoushtari, Optimization of parameters for the synthesis of $Y_2Cu_2O_5$ nanoparticles by Taguchi method and comparison of their magnetic and optical properties with their bulk counterpart, Journal of Magnetism and Magnetic Materials, 407 (2016) 266-271.

42 Ameneh Ahangarpour, **Mansoor Farbod**, The noble effect of aging on the thermalconductivity of modified CNTs-ethylene glycol nanofluids, Physics and Chemistry of Liquids, 56 (2016) 1-7 http://dx.doi.org/10.1080/00319104.2016.1233183

43 **Mansoor Farbod**, Razieh Kouhpeymani asla, Amin Reza Noghrehabadi, Morphology dependence of thermal and rheological properties ofoil-based nanofluids of CuO nanostructures, Colloids and Surfaces A: Physicochem. Eng. Aspects **474** (2015) 71–75

44 Mohsen Heidari Joula, **Mansoor Farbod**, Synthesis of uniform and size-controllable carbon nanospheres by asimple hydrothermal method and fabrication of carbon nanospheresuper-hydrophobic surface, Applied Surface Science **347** (2015) 535–540.

45 Omid Khani, Morteza Zargar Shoushtari, Mansoor Farbod, Excellent improvement in the static and dynamic magnetic properties of carbon coated iron nanoparticles for microwave absorption, Physica B, 477 (2015) 33-39.

46 Ali Reza Kiast, Mohammad Javaherian, Mina Daei and Mansoor Farbod, ZnO nanotube as reusable catalyst in the efficient and selective oximation reaction of carbonyl groups under solvent free conditions, Rev. Roum. Chim., 2015, 60(9), 875-880.

47 A.R. Mohammadian, S. Hajarpour, Kh. Gheisari, M. Farbod, Synthesis of Ni-Mn ferrite-chromite Nanoparticles through plasma arc discharge, Materials Letters 133(2014) 91–93.

48 Mansoor Farbod, Mohsen Heidari Joula, and M. R. Vaezi, Improved Ethanol Sensitivity and Selectivity of ZnO Hollow Spheres-Based Gas Sensors by Carbon Nanotubes Addition, Sensors Letters 12 (2014) 1741–1745.

49 **Mansoor Farbod**, Ameneh Ahangarpour, Seyed Gholamreza Etemad, Stability and thermal conductivity of water-based carbon nanotube nanofluids, Particuology 22 (2015) 59–65.

50 **Mansoor Farbod,** Nooshin Mobini, Physical properties, thermal stability, and glass transition temperature of multi-walled carbon nanotube/polypyrrole nanocomposites, Journal of Composite Interfaces, 21 (2014) 737-747.

51 A. Echresh, M.A. Abbasi, M. Zargar Shoushtari, **M. Farbod**, O. Nur and M. Willander, Optimization and characterization of NiO thin film and the influence of thickness on the electrical properties of n-ZnO nanorods/p-NiO heterojunction, Semicond. Sci. Technol. 29 (2014) 115009.

52 **M. Farbod**, A. Mohammadian, Single phase synthesis of γ-brass (Cu_5Zn_8) nanoparticles by electric arc discharge method and investigation of their order–disorder transition temperature, 45, 1-4 (2014)

53 **M. Farbod**, E. Jafarpoor, Hydrothermal synthesis of different colors and morphologies of ZnO nanostructures and comparison of their photocatalytic properties, Ceramics international, 40, 6605-6610 (2014).

54 **M. Farbod**, N.M. Ghaffari, I. Kazeminezhad, Fabrication of single phase CuO nanowires and effect of electric field on their growth and investigation of their photocatalytic properties, Ceramics international, 40, 417-521 (2014).

55 **M. Farbod**, M. Kajbafvala, Effect of nanoparticle surface modification on the adsorption-enhanced photocatalysis of Gd/TiO_2 nanocomposite,Powder Technology 239, 434-440 (2013).

56 A. Echresh, M. ZargarShoushtari, **M. Farbod**, Effect of growth angle and post-growth annealing on the structural and optical properties of ZnOnanorods grown hydrothermally on p-Si substrate, Materials letters,110(2013)164–167.

57 **Farbod M**., MovahedA., Kazeminezhad I., An investigation of structural phase transformation of monosize γ-Fe $_2O_3$ nanoparticles fabricated by arc discharge method, Materials Letters 89 (2012) 140-142.

58 **Farbod, M**., Jafarpoor, E., Fabrication of different ZnO nanostructures and investigation of morphology dependence of their photocatalytic properties., Materials Letters 85, 47-49 (2012).

59 **Farbod, M**., Ghaffari, N.M., Kazeminezhad, I., Effect of growth parameters on photocatalytic properties of CuO nanowires fabricated by direct oxidation.2012, Materials Letters 81, pp. 258-260.

60 **Farbod, M**., Batvandi, M.R., Fabrication and size control of Ag nanoparticles. 2012, Iranian Journal of Physics Research 12 (1) 77-83.

61 Parhoodeh, S., ZargarShoushtari, **M., Farbod**, M., Efficient absorption of H_2S by aluminum doped zinc oxide nanoparticles 2012, Materials Letters 78, pp.188-191.

62 **Farbod, M**., KhajehpourTadavani, S., Electrical properties and glass transition temperature of multiwalled carbon nanotube/polyaniline composites. 2012, Journal of Non-Crystalline Solids 358 (11)1339-1344.

63 **Farbod, M**., Rezaian, S.,An investigation of super-hydrophilic properties of TiO2/ SnO2 nano composite thin films,2012, Thin Solid Films 520 (6) 1954-1958.

64 Iraj Kazeminezhad, Azar Sadollahkhani, **Mansoor Farbod**, Synthesis of ZnO nanoparticles and flower-like nanostructures using nonsono- and sono-electrooxidation methods, Materials letters 92(2012) 29-32.

65 M. Ghamari, **M. Farbod**, M. H. Gharineh, A. Bakhshandeh, M. Delfieh, M. Behmanesh, Effects of silver nano particles seed coating on germination and early growth of wheat (*Triticumaestivum* L.) seedlings, Research on Crops 13 (2012) 29-32.

66 EsfandiarFateh, Hossein Noroozi, **Mansoor Farbod**, Farzad Gerami Assessment of Fennel (*Foeniculum vulgare*) seed germination characteristics as influenced by ultrasonic waves and magnetic water, , European Journal of Experimental Biology 2 (2012) 662-666.

67 **Farbod, M**., Khademalrasool, M., Synthesis of TiO2 nanoparticles by a combined sol-gel ball milling method and investigation of nanoparticle size effect on their photocatalytic activities. 2011, Powder Technology 214 (3) , pp. 344-348.

68 **Farbod, M**., Matin, M.M.H., Effect of magnetic field on the purity of carbon nanotubes fabricated by arc discharge method probed by Raman spectroscopy. 2011, Current Nanoscience 7 (5), pp. 794-796.

69 Kazeminezhad, I., Mosivand, S., **Farbod, M**., Effect of growth parameters on structure of electrooxidized Fe_3O_4 magnetic nanoparticles, 2011, Current Nanoscience 7 (5), pp. 819-824.

70 **Farbod, M**., Tadavani, S.K., Kiasat, A., Surface oxidation and effect of electric field on dispersion and colloids stability of multiwalled carbon nanotubes, 2011, Colloids and Surfaces A: Physicochemical and Engineering Aspects 384 (1-3), pp. 685-690.

71 **Farbod, M**., Batvandi, M.R., Doping effect of Ag nanoparticles on critical current of $YBa_2Cu_3O_{7-\delta}$ bulk superconductor, 2011, Physica C: Superconductivity and its Applications 471, pp. 112-117.

72 **Farbod M**., Zargar Shoushtari M., Parhoodeh S., Fabrication and characterization of $Zn_{1-x}Al_xO$ nanoparticles by DC arc plasma. 2011, Physica B: Condensed Matter 406 (2) pp. 205-210.

73 **Farbod, M**., TayebTaher, M., Kazeminezhad, I., Preparation of YBCO superconductor nanoparticles by sol-gel combustion method. 2010, Iranian Journal of Physics Research 10 (2) pp. 101-105.

74 Echresh, A., ZargarShoushtari, M**., Farbod, M**., Structure and properties of $YBa_2Cu_3O_{7-\delta}$ superconductor doped with bulk cadmium oxide., 2010, Iranian Journal of Physics Research 10 (2) pp. 95-99.

75 Salehi, H., Aryadoust, M., **Farbod, M.,** Electronic and structural properties of tin dioxide in cubic phase. 2010, Iranian Journal of Science and Technology, Transaction A: Science 34 (2), pp. 131-138.

76 Ghahfarokhi, S.E.M., Shoushtari, M.Z**., Farbod, M.,** Study of $Bi_{1.65-x}$ $Pb_{0.35}$ $Sb_xSr_2Ca_2Cu_3O_y$ superconductor. 2009, Journal of Applied Sciences 9 (4), pp. 783-788

77 Ghoranneviss, M., Yaghobian, F., **Farbod, M**., Eshghabadi, M., Effects of different substrate materials on synthesis of Cu nanoparticles. 2009, Current Applied Physics 9 (1 SUPPL.), pp. S124-S127

78 Shoushtari, M.Z., Ghahfarokhi, S.E.M., **Farbod, M**., The effect of Cd doping on Bi-based superconductor 2008, Journal of Applied Sciences 8 (14), pp. 2613-2618.

79 I. Kazeminezhad, E. Khoshbakht, **M. Farbod**, Fabrication and nanostructure study of electrodeposited constantant/Cu thermopower sensor on Si/GaAs, Journal of physics: conference series, 100(2008)052025

80 M. Zargar Shoushtari, S.parhoodeh, **M. Farbod**, Fabrication and characterization of zinc oxide nanoparticles by DC arc plasma, Journal of physics: conference series, 100(2008)052017.

81 **M. Farbod** and M. Zargar Shoushtari, Potassium Substitution Effects on $YBa_2Cu_3O_{7-\delta}$SuperconductorIranian Journal of Physics Research, Vol. 6, No. 3, (2006) 199-201

82 Zargar Shoushtari, M., Bahrami, A**., Farbod, M**., The effect of silver doping on the critical current density of Bi-Pb-Sr-Ca-Cu-O ceramic superconductor, 2006, Physica Status Solidi (C) Current Topics in Solid State Physics 3 (9), pp. 2994-2998

83 **Farbod, M**., Shoushtari, M.Z., Bajestani, N.G., The dependence of the properties of $YBa_2Cu_3O_{7-\delta}$ on the starting Ba compounds 2006, Physica Status Solidi (C) Current Topics in Solid State Physics 3 (9) 3086-3089

84 M. ZargarShoushtari, L. Borvayeh and **M. Farbod**, Study on the structure of $HoBa_2Cu_3O_7$ceramic superconductor, Vol. 11, No. 2, (2003) 211-220.

85 **Farbod, M**., Evidence for stripe phase formation in HgBa2CuO4+δ superconductor. 2000, International Journal of Modern Physics B 14 (29-31) pp. 3457-3459

86 **Farbod, M**., Giblin, S., Bennett, M., Wilson, J.A.,To what degree is Hg-1201 able to act as an archetype of HTSC cuprate phenomena? From Seebeck results to stripe phase behaviour. 2000, Journal of Physics Condensed Matter 12 (9), pp. 2043-2052

87 Wilson, J.A., **Farbod, M**., A view of pseudogap formation and the HTSC mechanism from the perspective of Seebeck results on $HgBa_2CuO_{4+\delta}$ 2000, Superconductor Science and Technology 13 (5)307-322.

88 Giblin, S., **Farbod, M**., Bennett, M., Wilson, J.A., Synthesis, Thermopower and magnetic properties of mercury deficient Hg-1201. 1998, Journal of Superconductivity 11 (1) 113-114

Conference papers: More than 100

Reviewer: Many papers, Planes, …

Conference organizing activities:

Executive Secretary of 2nd national conference on advances in superconductivity-2009