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**EDUCATION**

**Ph.D In برق الکترونیک**University of Michigan 1989-1992
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**B.Sc In برق الکترونیک**University of Tehran 1978-1984

**PUBLICATIONS**

|  |  |  |  |  |
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| **4849** | **33** | **145** | **325** | **2** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

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**32.** Derivation of Attenuation Map for Attenuation Correction of PET data in the Presence of Nanoparticulate Contrast Agents Using Spectral CT Imaging. Ghadiri Hossein, Shiran Mohammad Bagher, Soltanian Zadeh Hamid, Rahmim Arman, Zaidi Habib, Ay Mohammadreza (2014)., Annals of Nuclear Medicine, 5(5), 1-12.

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**53.** Optimization of Liver Iron Load Assessment by Pixel - Based T2\* MRI in Thalassemic Patients. Neda Gholizadeh, Shahram Akhlaghpoor, Soltanian Zadeh Hamid, Emad Fatemizadeh, Mohammad Reza Alinaghizadeh, Amin Shams Akhtari, Mohammad Nourizadeh (2012)., Open Journal of Radiology, 2(2), 46-51.

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**300.** Subdural and Depth Electrode Placement in the Brain for Validation of MEG in Partial Epilep. Elisevich K., Soltanian Zadeh Hamid, Jafari-khouzani K., (2006)., SPIE Medical Imaging 2006: Visualization, Image-Guided Procedures, and Display, 12-14 February, San Diego, United States Of America.

**301.** Extended Neural Mass Model for Integrated Modeling of EEG/MEG and fMRI. Babajani A., Nekooei Mh., Soltanian Zadeh Hamid (2006)., 11th Annual Conference of Iran Computer Society, 24-26 January, Tehran, Iran.

**302.** A New Method for Solving MEG Inverse Problem. Rajabioun M., Babajani A., Soltanian Zadeh Hamid (2006)., 11th Annual Conference of Iran Computer Society, 24-26 January, Tehran, Iran.

**303.** Estimation of Blood Brain Barrier Permeability by Statistical and Analytical Methods. Yahaghi E., Soltanian Zadeh Hamid, Shahriarei M., Fatouraee N. (2005)., 3rd European Medical and Biological Engineering Conference, 20-25 November, Prague, Czechoslovakia.

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**305.** Soft Computing Approaches to Computer Aided Decision Making for Temporal Lobe Epilepsy. Ghannad-rezaie M., Soltanian Zadeh Hamid, Elisevich K.v. (2005)., IEEE NAFIPS Annual Conference on Soft Computing for Real World Applications, 22-28 September, Ann Arbor, United States Of America.

**306.** Neural Network Scoring of Spots in X-Gal and eu Plates. Soltanian Zadeh Hamid, Finley R., Fotouhi F. (2005)., IEEE NAFIPS Annual Conference on Soft Computing for Real World Applications, 22-28 September, Ann Arbor, United States Of America.

**307.** Uncertain Decision-Making Schemes for Knowledge-Based Anatomical Landmark Localization (K-BALL). Soltanian Zadeh Hamid, Fotouhi F., Elisevich K.v. (2005)., IEEE NAFIPS Annual Conference on Soft Computing for Real World Applications, 22-28 September, Ann Arbor, United States Of America.

**308.** Quantitation of Intracellular and Free Iron Using MRI of Labeled Gliosarcoma (9L) and T-cells. Mohammadi-rad A., Arbab A.s., Jiang Q ., Soltanian Zadeh Hamid (2005)., Fourth Annual Meeting of the Society for Molecular Imaging, 7-10 September, Cologne, Germany.

**309.** Detection of the Margin of Glioma by MRI Using Magnetically Labeled Sensitized Splenocytes. Arbab A.s., Brown S., Mohammadi-rad A., Jiang Q ., Ewing Jr., Soltanian Zadeh Hamid (2005)., Fourth Annual Meeting of the Society for Molecular Imaging, 7-10 September, Cologne, Germany.

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**311.** Texture analysis of high-resolution FLAIR images for TLE. Soltanian Zadeh Hamid, Elisevich K. (2005)., 2nd Annual Research Symposium of Henry Ford Health System, 15 April, Detroit, United States Of America.

**312.** Effect of Intracellular SPIO on T2 Signal Intensity and T2 Map: Comparison with Free SPIO. Mohammadi-rad A., Arbab A.s., Soltanian Zadeh Hamid (2005)., 2nd Annual Research Symposium of Henry Ford Health System, 15 April, Detroit, United States Of America.

**313.** Medical Image Database for Temporal Lobe Epilepsy. Soltanian Zadeh Hamid, Fotouhi F., Elisevich K. (2005)., 2nd Annual Research Symposium of Henry Ford Health System, 15 April, Detroit, United States Of America.

**314.** Hardware design and reconstruction results of SUT-1 EIT system. Soleimani M., Kargarnovin Mh., Soltanian Zadeh Hamid (2005)., International Conference on Biological and Medical Physics, 27-30 March, Al-Ain, United Arab Emirates.

**315.** Leakage form Blood Brain Barrier: Effect of Injection Profile on Plasma and Extravascular Concentrations. Soltanian Zadeh Hamid, Shahriarei M., (2005)., International Conference on Biological and Medical Physics, 27-30 March, Al-Ain, United Arab Emirates.

**316.** sEMG Classification For Upper-Limb Prosthesis Control Using Higher Order Statistics. Nazarpour K., Soltanian Zadeh Hamid (2005)., ICASSP2005, 19-24 March, Philadelphia, United States Of America.

**317.** Integrated MEG and fMRI Model. Babajani A., Nekooei Mh., Soltanian Zadeh Hamid (2005)., CSIC2005, 15-17 March, Tehran, Iran.

**318.** Exploring Relationship between fMRI and MEG Using a New Model. Babajani A., Nekooei Mh., Soltanian Zadeh Hamid (2005)., MVIP 2005, 24-25 February, Tehran, Iran.

**319.** New Distributed Pattern Recognition Method in Wireless Sensory Networks. Ghannad-rezaei M., Soltanian Zadeh Hamid (2005)., MVIP 2005, 24-25 February, Tehran, Iran.

**320.** A Method for Noise Reduction of Video Images. Solaymani M., Soltanian Zadeh Hamid (2005)., MVIP 2005, 24-25 February, Tehran, Iran.

**321.** Design of Case-Based Reasoning Control Systems using Pattern Recognition Methods. Orafa S., Soltanian Zadeh Hamid (2005)., MVIP 2005, 24-25 February, Tehran, Iran.

**322.** Texture Analysis of High-Resolution FLAIR Images for TLE. Soltanian Zadeh Hamid, Elisevich K. (2005)., SPIE Medical Imaging 2005: Image Processing, 12-17 February, San Diego, United States Of America.

**323.** MRI and SPECT Fusion for Epilepsy Lateralization. Soltanian Zadeh Hamid, Elisevich K. (2005)., SPIE Medical Imaging 2005: Image Processing, 12-17 February, San Diego, United States Of America.

**324.** Quantitative Studies for Molecular Imaging Using MRI. Mohammadi-rad A., Soltanian Zadeh Hamid, Jiang Q ., Gautam S. (2004)., Third Annual Meeting of the Society for Molecular Imaging, 9-12 September, St. Louis, United States Of America.

**325.** Image reconstruction algorithms for SUT-1 EIT System. Nateghi Ar., Soleimani M., Kargarnovin Mh., Soltanian Zadeh Hamid (2004)., XII International Conference On Electrical Bio-Impedance, V Electrical Impedance Tomography, 20-24 June, Gda?sk.

**HONORS and AWARDS**

**Honorable Mention Awards for the best poster presentation at the SPIE Medical Imaging Conference, San Diego, CA, USA** 1997, Tehran, Iran

**Outstanding Researcher, Department of Justice, USA** 1993, Tehran, Iran

**Development of Novel Methods for Integrated Analysis of MEG and fMRI** 2009, Tehran, Iran

**Development of Novel Methods for Integrated Analysis of MEG and fMRI** 2009, Tehran, Iran

**Distinguished Author of International Papers** 2014, Tehran, Iran

**Distinguished Author of International Papers** 2014, Tehran, Iran

**Distinguished Professor of the Country** 2007, Tehran, Iran

**Distinguished Professor of the Country** 2007, Tehran, Iran

**Distinguished Researcher, 5th Festival of Founders of Science and Technology** 2007, Tehran, Iran

**Distinguished Researcher of the Country** 2007, Tehran, Iran

**Distinguished Researcher of University of Tehran** 2009, Tehran, Iran

**Distinguished Researcher of University of Tehran** 2009, Tehran, Iran

**Distinguished Scientist of Islamic Countries** 2008, Tehran, Iran

**Distinguished Scientist of Islamic World** 2008, Tehran, Iran

**Segmentation of Brain Structures in MRI** 2011, Tehran, Iran

**Selected Researcher of University of Tehran** 2003, Tehran, Iran

**University of Tehran Distinguished Researcher** 2014, Tehran, Iran

**ACADEMIC POSITIONS**

 **Editorial Board Member/Reviewer of International Journal of Engineering**-
 1111-Present
**International Society for Optical Engineering (SPIE)**-
 1111-Present
**Society for Molecular Imaging (SMI)**-
 1111-Present
**Faculty of Engineering Journal**University of Tehran
 1111-Present
**Amir Kabir Journal**University of Amir Kabir
 1111-Present
 **Editorial Board Member/Reviewer of Modarres Journal**University of Modarres
 1111-Present
**Editorial Board Member IEEE Trans. Signal Processing**-
 1111-Present
 **Editorial Board Member IEEE Trans. Med. Imag**-
 1111-Present
 **Editorial Board Member IEEE Trans. Biomed. Eng**-
 1111-Present
 **Editorial Board Member IEEE Trans. Imag. Proc**-
 1111-Present
 **Editorial Board Member Magnetic Resonance in Medicine**-
 1111-Present
 **Editorial Board Member Magnetic Resonance Imaging**-
 1111-Present
 **Editorial Board Member Stroke**-
 1111-Present
 **Editorial Board Member Journal of Engineering**-
 1111-Present
**Editorial Board Member Scientia Iranica**-
 1111-Present
 **Editorial Board Member Signal processing Letters**-
 1111-Present
 **Editorial Board Member Medical Physics**-
 1111-Present
**Editorial Board Member Iranian Journal of Biomedical Eng.**-
 1111-Present
**International Society of Magnetic Resonance in Medicine (ISMRM)**-
 1111-Present
**Institute of Electrical and Electronics Engineers (IEEE)**-
 1111-Present
**Iranian Society of Biomedical Engineering (ISBME)**-
 1111-Present
**Present Senior Staff Scientist, Radiology Department, Henry Ford Health System**Detroit, MI 48202, USA
 1993-Present
**Director of Biomedical Engineering Lab**University of Tehran
 1994-Present
**Director of Biomedical Engineering Group**University of Tehran
 1995-Present
**Assoc. Prof. of Radiology**Wayne State University, Detroit, MI, USA
 2004-Present
**Chairman of the 3rd Iranian Conference on Machine Vision and Image Processing**University of Tehran
 2005-Present
**Director of Control and Intelligent Processing Center of Excellence**University of Tehran
 2005-Present

**COURSES OFFERED**

**Image Signal Processing

Scientific and Technical Presentation Method

Fundamentals of Radiology and Radiotherapy Systems

Image Signal Processing

Presentation of Technical Documents in English

Fundamentals of Radiology and Radiotherapy Systems

Image Signal Processing

Presentation of Technical Documents in English

Digital Signal Processing 2

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**LABORATORIES**

**Biomedical Engineering**