

Name: Rouhollah Khosroshahi

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Education

BSc.

University: Iran University of Science & Technology (IUST)

Major: Material Science & Engineering (Ceramic Materials)

Thesis: Investigation the effect of MgO and Temperature on Phase separation and porosity of Borosilicate Glasses for use in Glass Membranes

Supervisor: Prof. V.K. Marghussian, Prof. H. Sarpoolaki

Msc.

University: Iran University of Science & Technology (IUST)

Major: Material Science & Engineering (Ceramic Materials)

Thesis: Synthesis of CIGS nanoparticles for use in Thin Film Solar Cells

Supervisors: Prof. A. Betollahi, Prof. N. Taghavinia

PhD

Thesis: Thermo-Chemical sintering of chalcogenide base absorber layer for solution based thin film solar cells

Supervisors: Prof. Nima Taghavinia, Prof. Mojtaba Bagherzadeh

Research Experience:

- Design and fabrication of Rapid Thermal Processing (RTP) and Selenization setup in Sharif Solar Company (2105)
- Research Assistant in laboratories of Institute of Nanoscience and Technology [INST], *Solar Cell tests (I-V, EIS, IMVS/IMPS)*- Sharif University of Technology (2015-2016 for 4 semester)

Publications:

- Published paper as a first writer in “Science and Engineering of Ceramic” journal: “Investigation the effect of MgO and Temperature on Phase separation and porosity of Borosilicate Glasses for use in Glass Membranes”, 2012, Tehran, Iran.
- Published paper as a first writer in Conference on Nanostructured Solar Cells (nssc92): “Synthesis of CIS nanoparticles for use in thin film solar cells”, 2013, Tehran, Iran (<http://ncl.sharif.edu/nssc92/>)
- Published paper as a first writer in International Asian nano Forum Conference (ANFC2015): “Preparation CuInS₂ nanoparticle ink and application in thin film solar cells”, 2015, Kish, Iran
- Published paper as a first writer in International Asian nano Forum Conference (ANFC2015): “Effect of MgO on the phase separation and pore size of borosilicate glass as a glass membrane for use in energy membrane”, 2015, Kish, Iran
- Published paper as a first writer in Conference on Nanostructured Solar Cells (nssc94): “Synthesis of CZTS nanoparticles for use in thin film solar cells”, 2015, Tehran, Iran (<http://ncl.sharif.edu/nssc94/>)
- Published paper as a first writer in 6th International Conference on Nanostructures (ICNS6): “Chemical Base Synthesis of In₂S₃ Nanoparticle Ink as a Buffer Layer for Chalcogenide Base Thin Film Solar Cells”, 2016, Kish Island, Iran (<http://www.nanosharif.ir/page.asp?id=489>)
- Published paper as a first writer in 6th International Conference on Nanostructures (ICNS6): “Solution Based Synthesis of CZTS Nanoparticles for Solar Cell Application”, 2016, Kish Island, Iran (<http://www.nanosharif.ir/page.asp?id=489>)
- 3 Educational papers in Iran Nanotechnology Initiative Council in Solar Cells